

ASUTOSH COLLEGE

92 S P Mookerjee Road, Kolkata 700 026

Phone: (033) 2455 4504, 2486 3912; Fax: (033) 2486 3006

Email: mail@asutoshcollege.in; Web: www.asutoshcollege.in



1916 - 2016

Celebrating Centenary Year

From: The Principal, Asutosh College

10.02.2016

To
The Director
National Assessment and Accreditation Council (NAAC)
P.O. Box No. 1075, Nagarbhavi
Bangalore 560072
India

Subject: Submission of **SELF STUDY REPORT 2015** of Asutosh College (Track ID-WBCOGN 10189).

Respected Sir,

In compliance with the requirements for the accreditation, we are enclosing herewith 5 copies of **SELF STUDY REPORT** along with soft copy (CD) for your kind perusal.

Looking forward to hear from you about the peer team visit to our Institution.

Thanking you,

Yours sincerely,

Dipak Kumar Kar

Dipak Kumar Kar
Principal
Asutosh College

Principal
ASUTOSH COLLEGE
KOLKATA - 26



CONTENTS

SECTION A	PAGE NO.
• Letter from the Principal, Asutosh College	
• Preface	i-ii
• Executive Summary & SWOC Analysis	1-12
• Post-Accreditation Initiatives	13-24
• Profile of the College	25- 43
 SECTION B	
• Criterion-wise Inputs	
▪ Criterion I: Curricular Aspects	44-79
▪ Criterion II: Teaching-Learning and Evaluation	80-158
▪ Criterion III: Research, Consultancy and Extension	159-230
▪ Criterion IV: Infrastructure and Learning Resources	231-291
▪ Criterion V: Student Support and Progression	292-343
▪ Criterion VI: Governance, Leadership and Management	344-381
▪ Criterion VII: Innovations and Best Practices	382-397

PREFACE

Asutosh College, affiliated to the University of Calcutta, is one of the most well-known landmarks on the educational landscape of Kolkata. Founded in 1916 by one of the pioneers of modern education in India, Sir Asutosh Mookerjee, the college, earlier known as South Suburban College (renamed Asutosh College in 1924, after the demise of its founder), was set up initially to cater to the educational needs of South Calcutta/Kolkata. It soon transcended the limitations of locality and established itself as a premier institute of learning, not only of Kolkata, but also of West Bengal and its neighbouring states.

The first college in West Bengal to undergo the process of *Assessment* and *Accreditation* by the National Assessment and Accreditation Council (NAAC) of India, in 2002, under the new scheme initiated by the UGC, Asutosh College, now in its centennial year, awaits reaccreditation.

With its avowed Tagorean motto- *Jnan Jetha Mukto*, ‘Where Knowledge is Free’ – our College attempts not just to disseminate knowledge irrespective of differences, but also, in keeping with the Tagorean vision of education, to promote a more holistic approach towards the same as a means of liberating the mind and spirit from the bondage of ignorance, prejudice, and unreason.

Asutosh College which began its journey as an Intermediate-level college in pre-independent India, is today a centre of Postgraduate studies and research, with B. Voc. and Community College schemes reinforcing its reputation as an institution that promotes education for all.

The college has consistently maintained a sustained programme of development, the pace of which has gained momentum with every passing year. It currently runs Undergraduate courses in twenty-six (26) subjects, including Business Administration, six (6) Postgraduate courses, besides courses under B. Voc. and Community College schemes, Add-on courses, and various other training courses, details of which are provided in relevant sections of the Self-Study Report (SSR) that follows.

As the college has grown in academic and curricular dimensions, it has also of imperative necessity grown in physical and infrastructural dimensions, and in keeping with the demands of an age of information, duly equipped with its digital dimension in the form of a website designed and maintained by its own Computer Science and IT departments. The college itself is spread across two main campuses – the First, or metropolitan campus, comprising the Main Building on 92, S. P. Mukherjee Road, with two ancillary units, the Asutosh College Training Centre (ACTC) and the Humanities Block on the adjacent Basanta Bose Road, and the newly-inaugurated Centenary Building on Kalighat Road; and the Second or suburban campus in Bhasa, South 24Parganas.

Human resources constitute the principal asset of our college, and these include students and staff – both teaching and non-teaching –, as well as other stakeholders including the alumni. Nurturing and nourishing these resources is the *raison d’etre* of the institution with the Principal as the *primum mobile* of all activities leading a dynamic group of students and staff who believe in maintaining a healthy atmosphere in college conducive to both academic and co-curricular activities.

The highly appreciable performance of the college students in the university examinations is a testimony to the institution’s effective teaching-learning set-up, which incorporates time-tested methods with more modern ICT-enabled teaching methods followed by evaluation. At the same time, a research-friendly atmosphere prevails in the campus with the administration actively encouraging faculty involvement in the research projects and in organizing of seminars, conferences, and workshops for students and staff.

To help students in their career prospects the college has an active Placement Cell which arranges campus interviews and recruitment by the industry and also counsels them regarding career options. As a further aid to their career prospects in a sharply competitive world, the college has introduced three courses under the UGC-sponsored Add-on course programmes in Travel and Tourism, Industrial Chemistry, and Hospital Waste Disposal Management. The college also provides support to students in times of mental crises, which may have been triggered off by a variety of reasons, through a Psychotherapy Unit.

A healthy mind resides in a healthy body. Keeping this in view, the college encourages active involvement in sports. The lack of grounds on the main campus has been overcome by having its own ‘tent’ and sports unit in the Kolkata Maidan. It is one of only two colleges in the city with this facility. We are proud to say that the achievements of our students in the sporting arena have been no less encouraging than their academic achievements.

In the cultural field too, our students have made the institution proud by consistently performing well and winning in inter-college events organized by other institutions in the city.

The college has also in the last few years revived both the NSS and NCC units whose members under the able guidance of the respective teachers-in-charge, are actively engaged in extension activities related to social upliftment and personality development.

To promote environmental awareness the college also has an Eco Club. The campus at Bhasa on the semi-rural outskirts of the city has a variety of indigenous flower and fruit-bearing trees planted in its grounds, a water-body devoted to aquaculture and a newly-planted medicinal herbs garden. The Main Building is partially powered by a solar unit. There are further plans to develop a solar power generation unit, Biogas plant, rain water harvesting unit etc in the Bhasa campus to make it a “Green Campus”.

To facilitate the multifarious activities of the college, academic and co-curricular, there has also been a continuous infrastructural development— automated central and departmental libraries, INFLIBNET facility, smart ICT-enabled classrooms, computer terminals/ laptops with Internet access, scanner-printer facilities for all departments, Wi-Fi enabled campus, 24 hours uninterrupted power supply, CCTV surveillance, gymnasium facilities, Boys’ and Girls’ Hostel. Helping to steer all these the Principal is aided by the various bodies of the college, i.e., the Governing Body, the Teachers’ Council, Non-teaching Staff Council, the Students’ Union, the Alumni Association, and the Internal Quality Assurance Cell, or IQAC.

The objective of this century-young institution is to focus on the all-round development of students and mould them into responsible citizens of the future. The Self-Study Report that follows is a sincere and unbiased attempt at self-appraisal after due analysis of our college and its activities, as reflected in its overall performance as an institution of repute.

The time is now ripe for an independent assessment of our institutional set-up and activities to know whether we are on the right path towards achieving that objective, and to re-orient or rectify our methods wherever needed. It is an opportunity and a privilege that this process of assessment and accreditation will take place in the course of the college centennial.

EXECUTIVE SUMMARY & SWOC ANALYSIS



GENESIS : ASUTOSH COLLEGE CELEBRATING 100 YEARS (1916-2016)

1915

Permission sought for establishing a College in South Calcutta under the visionary leadership of eminent mathematician educationist, Vice Chancellor (Calcutta University), Chief Justice (Calcutta Court) and above all a great patriot, Sir Asutosh Mookerjee.

Approval from the Govt. of India to upgrade South Suburban School into an Intermediate College.

1916

3 June, 1916: College named South Suburban College and Sir Asutosh elected President of its Governing Body. It was decided that the College would function from 26, Lansdowne Road, Calcutta.

17 July, 1916: Intermediate College started to function with English, Bengali, Sanskrit, Logic, Mathematics and Botany.

1917

The College shifted to Bijni House, 157, Russa Road, Calcutta (later this house was demolished for constructing the Chittaranjan National Cancer Institute).

1918

Intermediate College upgraded to Degree College with English, Bengali, Sanskrit, Philosophy, History, Economics, Political Economy and Political Philosophy and Mathematics.

1924

Sir Asutosh passed away on 25 May. South Suburban College renamed as ASUTOSH COLLEGE on 15 June.

1929

The Asutosh Mookerjee Memorial Institute, founded in 1927, appealed to the Calcutta Corporation (the then Mayor was Netaji Subhas Chandra Bose) for a portion of land from Hazra Park (Jatin Das Park) to be

leased to the institute for the construction of a new building for Asutosh College, a Library and an Auditorium.

1934

Dr. Syamaprasad Mookerjee took over as President of the Governing Body and served the College in this capacity till his death.

1935

Asutosh College shifted to the newly constructed building under the initiative of Dr. Syamaprasad Mookerjee, that exists to this day.

1991

Asutosh College Training Centre established to provide training courses to UG/PG students to equip them for the job market.

1994

Industrial Fish and Fisheries(Vocational/Major) introduced.

1997

Computer Science introduced.

2001

Bachelor of Business Administration introduced.

2002

NAAC accreditation.

First Post Graduate Course(M.Sc. in Environmental Science) introduced.**

2003

Purchase of land at BHASA, South 24 Parganas and initiation of construction of BHASA Second Campus
(GREEN CAMPUS).**

2006

Electronics (Hons.) introduced.

2009

M.Sc. in Zoology and Geography introduced.**

2011

M.A. in Bengali and B.Sc.(Hons.)in Environmental Science introduced.**

2011-2012

M.A/M.Sc in English, History, Political Science and Environmental Science through distant mode introduced. **

2013

Add-on-courses on Travel & Tourism, Industrial Chemistry and Hospital Waste Disposal Management introduced.**

2014

B.Voc and Community College (Diploma & Advanced Diploma courses)introduced.

M.Sc. in Applied Geology and Computer & Information Science introduced**

2015

Humanities Block to house Humanities Departments.

IT Section of Office established .**

Inauguration of CENTENARY BUILDING BY THE HONOURABLE PRESIDENT OF INDIA.**

** AS PER RECOMMENDATION BY NAAC PEER TEAM (2002)

EXECUTIVE SUMMARY

To prepare a detailed SSR of an institution of the dimension of Asutosh College is a mammoth task demanding herculean effort. The NAAC Steering Committee chaired by the Principal, Dr. Dipak Kr. Kar has proved itself equal to that task, and with invaluable and timely help from the rest of the staff, teaching and non-teaching, students, and alumni, has painstakingly collected, collated, and analyzed available data with regard to the functioning of the institution. Before proceeding to the detailed report, we present a brief summary of the same in the form of criterion-wise major points as identified by the SSR preparatory team.

CRITERION I: CURRICULAR ASPECTS

The vision and the mission of the college is to give access to higher education to a wide cross-section of students from diverse socio-economic and cultural backgrounds, through both formal and non-formal learning modes, and to encourage a holistic approach towards education as a powerful means in the attainment of knowledge and wisdom.

The curricular programme followed by the college can be highlighted in the following manner:

- The college is affiliated to the University of Calcutta and implements the curricula of the university in all its UG departments, while enjoying partial autonomy with regard to the PG departments.
- The college currently offers twenty-four(24) Honours courses, eight (8) in the Arts/Humanities stream, fifteen (15) in the Science stream, and one (1) in Management studies – and two (2) Major courses, besides general courses in both Arts and Science. It also offers PG courses in six(6) subjects.
- The college also offers diploma and certificate courses under the B. Voc. and Community College schemes, and courses under the Add-on programme of UGC concurrent with the graduation programme.
- There are PG courses in five (5) subjects under distance learning mode of Vidyasagar University.
- The teaching faculty comprises a dedicated team of competent and qualified teachers, a large section of them engaged in high quality research activities.
- The teaching is learner-centric. Evaluation system for UG courses is as per Calcutta University norms. The semester system in accordance with university rules is followed for the PG courses.
- Extensive use of LCD projectors, power point presentation, e-learning and internet is practiced in the teaching of science subjects. Screening of documentaries/films and other ICT methods are used as aids in the teaching-learning of the Arts subjects.
- Industrial visits and visits to research institutes and laboratories are arranged for science students.
- Seminars/ talks/ workshops by renowned academicians are also arranged regularly.
- Parent-teacher-student meets are arranged to discuss the examination results and problems arising out of teaching methodology.
- The Governing Body and different stakeholders are kept alert about different enrichment programmes. Suggestions for improvement from any quarter are welcomed and duly considered.
- Value education, health awareness programmes, clean-up drives are regularly organized by the NSS and Students' Union

- The Placement Cell organizes campus recruitment by the industry and also guides students about career options and prospects.
- Although the college has to follow the syllabus framed by the affiliating University, quite a few teachers of the college are members of the University Boards of Studies. Any workshop on changes and reforms in syllabus is also actively participated in by the staff. They serve as paper setters, moderators, coordinators and examiners in the University examinations. They also use their experience from the feedback from the students to suggest improvement in teaching methodology.

CRITERION II: TEACHING - LEARNING AND EVALUATION

The college is aware of the fact that Teaching-Learning and Evaluation is the most important step for any educational organization. The following are the major highlights in Teaching-Learning and Evaluation criterion:

- The college ensures wide publicity and transparency in its admission procedure both in UG and PG courses.
- Admission to the undergraduate and postgraduate programmes is an entirely on-line process and has been so since the 2013-2014 academic session. However, the process had already been made partially on-line much earlier, from the 2010 academic session.
- Merit is the sole criterion for admission. However, as per government norms seats are reserved for SC, ST, OBC (both A and B Categories) and differently-abled students.
- Constant monitoring of the students is done through class tests, students' seminars, maintaining records of the class attendance of students.
- Special care is given to the weaker students through Remedial classes. Advanced students are encouraged to pursue their goals and given assistance by the teachers according to their needs through Tutorial classes.
- Besides the traditional method of delivering lectures in class, students are also initiated into **Interactive Learning methods** through seminars/workshops, debates, quiz competitions, etc. ICT-enabled tools like LCD Projectors and smart boards are used by the teachers to generate greater interest among students in these seminars and interactive lectures. **Collaborative Learning** is promoted through educational tours, environmental projects as well as in practical classes.
- Extension lectures and seminars are regularly organized to broaden the vista of knowledge of students and teachers alike.
- The Central library has been renovated with upgraded infrastructure including full automation and improved reading room facilities. Both the central and departmental libraries house a large collection of books and academic journals. The laboratories of all the departments are constantly augmented through different grants to aid the teaching-learning process. A BOOST laboratory, sanctioned by WB DBT housing latest instruments for Biotechnology work is being set up.
- The IQAC is an actively functioning unit which through regular discussion with the Principal, teachers and other stakeholders ensures the effective implementation of the teaching-learning process.

- Teachers are encouraged to participate in Orientation Programmes, Refresher Courses, Summer/Winter Schools, workshops, etc., to equip themselves with advanced knowledge in their respective fields. They are also actively encouraged to participate in seminars and conferences, and present papers in the same.
- The institution ensures that all stakeholders, especially the students and teachers, are fully aware of the evaluation process by providing requisite information through the Prospectus, Common Academic Calendar proposed by the University, and notices circulated amongst the faculty and students, annual Parents-Teachers Meeting etc.
- The college abides by the evaluation reforms of the affiliating university as and when imposed.
- The college also takes proper measure to redress the evaluation related grievances of the students.
- The performance of the students in the university examinations is one of the major areas of strength of the college. The encouraging number of first classes and significant number of rank holders in the university examinations testify to the student quality of the institution. Successful students are encouraged by awards and prizes.
- The college has clearly stated learning outcomes and clearly defined strategies to facilitate the achievement of the intended learning outcomes.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

Although the primary function of the College is to impart affordable quality education at the UG and PG levels, it also harbours a broader vision to promote research culture among the teachers and the students. The following are the major highlights in Research, Consultancy and Extension criterion:

- The college has a dedicated Research Committee which encourages faculty members to engage in research activities and extends full support by arranging for grants from funding agencies like the ICSR, ICPR, ICSSR, UGC, DBT, DST, ISRO etc.
- Apart from research projects, teachers are actively involved in pre- and post-doctoral research activities. This is reflected from the extensive list of publications by the faculty members, many of which are in peer-reviewed International and National journals.
- Some members of the faculty are currently acting as Supervisors/ co-guides of Ph.D. students and directing M.Sc. dissertations.
- Some teachers have collaborated in interdisciplinary research within the campus and also with other institutes/ universities for pursuing specialized research.
- The Departments organize seminars and symposia from time to time, thus providing a platform for teachers and advanced level students to interact with eminent scholars and scientists from other institutes/ universities.
- Special grants obtained from financing agencies have been utilized in organizing Special Lecture Series, Study Tours and procuring Speciality Instruments and equipment over the years.
- In-house research facilities are being upgraded and are being utilized by several teachers and students for their Ph.D. thesis and M.Sc. dissertation work.
- Teachers' Council publish a journal "VISTA".

- The Research Committee encourages teachers to participate in seminars, conferences and symposia, and accordingly a large number of teachers have participated and presented papers in International/national- and state-level seminars.
- Many faculty members have provided consultancy services to external agencies in an honorary capacity.
- Apart from research activities other extension activities are also regularly undertaken by the NSS and NCC units of our college, both of which have been revived in recent years.
- Departments like Sociology have also conducted social surveys among underprivileged sections of the society which has resulted in wide-spread community awareness.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

For effective implementation of the teaching-learning and optimal realization of the potential of the institute's human resources, our college relies on a combination of the traditional and the modern. While still retaining traditional methods of disseminating knowledge, the college has also kept pace with the times and upgraded its infrastructure with modern technology-based learning resources. The following are the major highlights in this criterion relating to Infrastructure and Learning Resources:

- The college is spread across two main campuses – the First, or metropolitan campus, comprising the Main Building on 92, S. P. Mukherjee Road, with two ancillary units, the Asutosh College Training Centre (ACTC) and the Humanities Block on the adjacent Basanta Bose Road, and the newly-inaugurated Centenary Building on Kalighat Road; and the Second or suburban campus in Bhasa, South 24Parganas.
- Separate hostels for girls and boys are located in the Bhasa campus. A students' canteen which has been renovated in the recent past, separate common rooms for boys and girls, gymnasium, cheap store for students and teachers, photocopying facilities, elevator, purified drinking water, generator, etc., are other facilities available on the campus.
- The college is well equipped with several laboratories with state-of-the-art equipment in the science departments, and computer and internet facilities in all departments. Some of the classrooms have been upgraded into smart classrooms.
- Space has also been provided to the different cells like IQAC, Psychotherapy unit, Placement cell.
- The Central library has been renovated and fully automated along with the departmental libraries which house a rich and varied collection of books, some rare and no longer in print, and academic journals, both national and international. INFLIBNET facility has also been introduced.
- The college gives increasing importance to ICT tools. All departments are equipped with laptops/desktops with Internet connectivity, and scanner and printer facilities. The campus is also Wi-Fi enabled.
- The college campus is also under CCTV surveillance.
- The college website www.asutoshcollege.in has been designed and being maintained by the Computer Science department and IT section of the institution itself. The website is updated regularly. The on-line admission process is also conducted through this website.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

The college fosters/nurtures an environment of cultural and linguistic diversity where students from widely differing cultural, social and economic backgrounds never feel isolated. Socially and economically disadvantaged students are provided financial support with various scholarships, endowments and free/partially free studentships. Students from distant areas are provided with hostel facilities with priority being given to real need. The Placement cell provides updated information to the students about various job opportunities, scope and organizes campus recruitment drives by industry. The following are the major highlights of this criterion:

- The college publishes a Prospectus every year for the students seeking admission to the college. It contains extensive information about the college and its curriculum. An Academic Calendar pertaining to syllabus details, examination schedules following the university schedule, is also published by the college and issued to students at the commencement of a new academic session.
- Different types of financial assistance given by the State Govt., Central Govt. and a few other agencies are provided to needy meritorious students enabling them to continue with their studies.
- Students belonging to the SC/ST/OBC and economically weaker sections of the society are taken care of by the college beginning with admission into the institution.
- The college provides a healthy environment to the students through several welfare means such as cheap canteen, the Students' Health Home Scheme, Grievance Redressal Cell, Placement Cell and a fully functional Students' Section in the college office.
- The college has an active Anti-ragging Cell to take prompt action in case of any untoward incidents on the college premises.
- The college has constituted a committee on Gender sensitization and prevention of sexual harassment, although not a single case has been reported so far.
- Record-maintenance of student progression is done by means of personal contacts at the initiative of faculty members, social networking sites, alumni association, and reunion arranged from time to time.
- The college has an elected Students' Union which actively participates in the organization of various co-curricular and extra-curricular activities including the annual sports meet and various cultural programmes.
- The Students' Union also has representation in various academic and administrative bodies to facilitate smooth functioning of the college.
- The college has a distinguished list of alumni and a registered Alumni Association which keeps close contact with the administration for the overall development of the college.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

An educational institution with a clearly-defined vision and mission and is led by perceptive leaders is already on the path to achieving excellence. Administration is thus, a vital part of an educational institution for it is through proper governance, leadership and management that an institution can realize its true potential for excellence. The major points in this regard are enumerated below:

- The Principal is the keystone in organizational arch, formulating and implementing the strategy of development. It is his responsibility to ensure the operation of an efficient fiscal and human resource management system which will promote the best practices of the institution.
- The Principal, as per discussion with senior staff members, and on resolutions adopted by different bodies like the Teachers' Council, Non-teaching Staff Council, forwards proposals for development to the Governing Body. Once the proposal is approved, the execution of work is done with the assistance of all concerned under the supervision of the Principal.
- To implement the institutional strategic plans different academic and administrative committees and sub-committees are constituted.
- Through the Students' Union, the college regularly receives reports regarding the fulfillment of all of their academic and related needs as well as the welfare programmes like scholarship, free studentship.
- The Purchase Committee operates the purchasing procedure and the Principal on discussion with the Departmental Heads, Finance Committee, sets guidelines for fund distribution.
- The institution has a Grievance Redressal Cell and all grievances are promptly addressed by the authorities.
- The grants and funds received by the college are regularly audited by the registered auditors after internal auditing by the Accounts Department of the college.
- The Internal Quality Assurance Cell (IQAC) plays a major role in reinforcing the culture of excellence and under its leadership, the faculty members are always encouraged to keep themselves updated in their respective fields and share their knowledge with students.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

The Innovative measures and the Best Practices adopted by the college in the last four years include

- Monitoring the environmental balance within the campus through measures like organizing Tree-Planting programmes, declaring the campus as a No-Smoking zone, organizing seminars on environmental issues, observing World Environment Day, setting up an EcoClub, installing solar power units, etc.
- Online Admission process using software developed by Asutosh College Information Technology Section (ACITS).
- Introduction of courses under B. Voc. and Community College schemes.
- Introduction of UGC-funded Remedial Courses for SC, ST and OBC students.
- Launching the Publication cell with a commemorative volume on the college founder, entitled *Asutosh: Vidyar Sarathi* as its inaugural publication in 2014.
- Organization of Value-based Educational lectures and programmes.
- Regular student seminars and internal assessment in each department.
- Emphasis on dissertation papers and project works in the PG Courses.
- Salary disbursement of the staff through COSA software.

SWOC ANALYSIS

STRENGTHS

- The real strength of our institution lies in unlimited potential for excellence in its human resources- students, staff, and all stakeholders – and in the ability to convert apparent drawbacks into assets.
- The college has evolved over the years from an Intermediate-level college of a pre-Independent nation into a centre of Undergraduate and Postgraduate studies and research. At present it is a large institute providing quality education to approximately 7000 students.
- The college is affiliated to the University of Calcutta, one of the country's most prestigious seats of learning. The academic performance of the students has been exemplary, with many achieving the distinction of being University rank-holders.
- The college nurtures the ideal of inclusiveness in education by catering to the academic needs of the economically weaker sections of the society hailing from both urban and rural backgrounds.
- Formal participation in research has improved substantially since the introduction of postgraduate courses.
- The long journey over time has ensured the gradual building up of a library with a large collection of books, some of them rare publications and no longer in print.
- There has been a concerted attempt to upgrade the technological component in the institute and there has been active participation of the teaching and non-teaching staff in the process.
- Hostel facilities for both girls and boys are available.

WEAKNESSES

- As the institute has no autonomy, it can make little or no contribution in the sphere of curriculum designing and modification.
- Management of such a large area needs more security arrangement and strengthening of boundary walls for the sprawling campus at Bhasa requires more funds.
- Many teaching (substantive) posts are vacant which cannot be entirely filled up by the college through its own financial resources. Resource mobilization is thus a major issue.
- Further technological upgradation is required.

OPPORTUNITIES

- Sufficient space exists for physical expansion of buildings and facilities.
- Greater autonomy will allow us to usher in more innovations, and initiate more upgradation programmes.
- Though certain amount of computerization has been introduced in the office with the introduction of COSA software and e-bantan system, the accounting system needs to be further improved through the introduction of the requisite software. It will enable better management of fund flow for various purposes. This has become important in the face increasing inflow of research and

development grants. This flow of fund is likely to increase in future making more efficient management of finances a dire necessity.

CHALLENGES

- The challenges faced by our institution are such as faced by most other educational institutions in the country offering courses in general studies in a rapidly changing global context determined and dictated by economics, and in a social set-up characterized by mobility and flux. One challenge is to provide access to affordable but quality education to such a large number of students as are enrolled in our college.
- The real challenge for us, however, is to attract students to a college like ours by offering them not merely a graduate degree, but also opening up parallel avenues of knowledge and more importantly, career options, in the form of soft skills development through short term professional courses. With this very objective in mind, we have initiated the Add-on courses, and various other diploma/ certificate courses.
- The other major challenge for us, and it is more of a social challenge, is to inculcate true values in today's youth who inhabit a consumerist society that is witness to a gradual erosion of moral and humanitarian values.
- To take the right to education as guaranteed by the Constitution of India a step further, it is for us to consolidate the newly-initiated courses like the Add-on courses, Community College and B. Voc. courses, making them viable options for students in this age of competition, while at the same time, molding the youth into future assets of the nation, and by extension, the world itself.

To end with a few lines from Tagore who remains for us an eternal inspiration, the true worth of our institution will be realized in fostering an environment,

*Where the mind is without fear and the head is held high;
Where knowledge is free;
Where the world has not been broken up into fragments by narrow domestic walls;
Where words come out from the depth of truth;
Where tireless striving stretches its arms towards perfection...*



INAUGURATION CEREMONY OF CENTENARY BUILDING, 1 APRIL, 2015



POST-ACCREDITATION INITIATIVES



POST ACCREDITATION INITIATIVES

Asutosh College has walked an eventful decade after the last NAAC visit. The college has adopted a path of constant growth with its vision of extension of its academic and social responsibilities. Asutosh College has made attempts to address areas pointed out by the Peer Team at the time of the Exit Meeting after the 1st Cycle of Accreditation in 2002.

Here we furnish the summary and recommendations those were given by the NAAC Peer Team followed by our endeavors towards development of the college guided by those recommendations.

RECOMMENDATIONS AND INITIATIVES TAKEN BY THE COLLEGE

RECOMMENDATION 1:

Initiations of newer programmes like Microbiology, Bio-Chemistry, Bio-technology, Geophysics, Geographical Information Systems may be in self-financing mode .

➤ **Last paragraph of Page 3 of Peer Team report**

“While commending these efforts, it is suggested that, in lieu of [or in addition to] some of the programmes in the existing conventional disciplines, programmes in newer disciplines such as Microbiology, Bio Chemistry, Bio technology, Geophysics, Geographical information system etc. may be explored. These could be introduced by reorienting the existing faculty and resources.”

➤ **6th paragraph of Page 16 of Peer Team report**

“Existing infrastructure and manpower especially in Science Departments may be fully utilized for developing areas such as Environmental Science, Plant Bio-technology, Industrial Chemistry, Industrial Microbiology, Informatics etc.”

INITIATIVE BY COLLEGE:

The College has started B.Sc. Honours courses in Microbiology, Bio-chemistry, Electronics and Environmental Science after the previous NAAC visit. All these courses are running successfully on self-financing mode. At present the college has 26 Honours and 2 Major courses. Although bachelor courses in Geophysics and Geographical Information Systems are not yet started, the PG curricula of Geography and Applied Geology have important papers on GIS and Geophysics respectively. We have already set-up a GIS laboratory in the Geography department and have started procuring instruments to set up a basic geophysics laboratory.

RECOMMENDATION 2:

Initiation of certificate, vocational, diploma, PG diploma, PG courses, M.Phil. and Ph.D. programmes.

➤ **2nd and last paragraphs of Page 4 of Peer Team report.**

“In the given system of affiliation also, there may be some scope for widening of enriching the prescribed curriculum by adding on some extra inputs that may be considered relevant to the changing scenario. Such additional inputs could be conceptualized as enrichment courses, execution of which may be encouraged by award of certification at the college level. The creditability for such certification would be established in due course.”

“Further, after more than 85 years of its having been a degree college and with more than two-thirds of the faculty being highly qualified with Ph.Ds., it is time to think of introducing some PG programmes in at least a few of the stronger departments.”

➤ **4th and 5th paragraphs of Page 16 of Peer Team report.**

“The college may start diploma, PG diploma, PG courses, M.Phil. and Ph.D. programmes at the earliest. Building a strong research culture may open up several opportunities of resource generation, placement of students, consultancy programmes etc. The college may set up a committee for development of research and consultancy activities.”

“Value education, more vocational components may be introduced. Need based programmes in Information Technology, Mass Media and communication, Journalism, Performing arts may be started in a phased manner to meet the demands of the changing scenario.”

INITIATIVE BY COLLEGE:

In the period between the last NAAC visit and the present the college has taken major steps towards providing vocational components in higher education as well as PG courses. Six Post-Graduate courses are presently running in the college. These are Environmental Science, Geography, Zoology, Bengali, Applied Geology and Computer & Information Science. In addition five more PG courses have been introduced since 2012 through distance mode of learning under dual affiliation with Vidyasagar University in English, Political Science, History, Environmental Science and Commerce.

The college in the year 2014 has started Vocational Degree, Diploma and Advanced Diploma courses in Mobile Communication, Software Development and Industrial Aquaculture & Fisheries in the second campus securing grant-in-aid from the UGC. Research degree courses like Ph.D. and M.Phil. are under discretion of the affiliating University and therefore initiation of these courses in the college is not possible at present.

In 2013, career-oriented Add-on certificate courses in Travel & Tourism, Industrial Chemistry, Hospital Waste Disposal Management were introduced.

RECOMMENDATION 3:

Student Feedback system to be introduced.

➤ **3rd paragraph of Page 4 of Peer Team report.**

“The student/user feedback on the conduct of programmes may be formally obtained by introducing an appropriate mechanism.”

➤ **2nd paragraph of Page 6 of Peer Team report.**

“To cap it all, the institution may explore introduction of student evaluation of teachers; the teachers will only be too willing and anxious to learn the student feedback in order to improve their performance.”

INITIATIVE BY COLLEGE:

The college has already started student and parent feedback system. The data is analysed and necessary steps are taken to redress any grievance of the students. The college is in the process of introducing student feedback initially at PG level.

RECOMMENDATION 4:

Initiation of remedial coaching for weaker students and introduction awarding prizes/scholarships to meritorious students and also introduction of project work based studies.

➤ **1st paragraph of Page 5 of Peer Team report**

“A system of formal remedial teaching for weaker students, particularly in language/communication skills, may be organized. The meritorious students are being induced through award of prizes/scholarship. Some of them with higher learning potential may also be academically encouraged by enabling them do some innovative project works.”

INITIATIVE BY COLLEGE:

Remedial coaching to marginalized class (SC, ST, OBC, religious minorities) and weak students has been started in the year 2012 with grant-in-aid from the UGC and is being carried out continuously till date. The college organizes prize giving ceremony every year to encourage the meritorious students (approx. 50 awards). Many of the prizes are also sponsored by members of the alumni and staff.

Project based study system does exist in PG courses as well as in UG science courses, particularly field based subjects like Geology, Geography, Zoology, Botany, Microbiology, Environmental Science, History, Psychology and Industrial Fish & Fisheries.

Humanities courses like Sociology, BBA, Communicative English and Journalism & Mass Communications also have project work based study systems. In all these courses Project/Field based studies are compulsory for partial fulfilment of the syllabi.

RECOMMENDATION 5:

Use of electronic devices for class-room teaching

➤ **3rd paragraph of Page 5 of Peer Team report.**

“The regular lecture method of classroom teaching is supplemented by occasional use of electronic devices. The institution has recently established internet facilities. More intensive use of such devices would enhance the teaching-learning efficiency.”

INITIATIVE BY COLLEGE:

Presently all large class rooms have electronic address systems with audiovisual facilities which are regularly being used by the faculty. All the science departments regularly use computer based projection systems in classes. Digital visualizers and microscope mounted cameras are also used in the classrooms in departments like Geography, Geology, Botany, Zoology and Microbiology.

Smart Class room and Seminar hall with interactive projection systems and e-library have been made operative in centenary building.

RECOMMENDATION 6:

Faculty to avail FDP schemes

➤ **3rd paragraph of Page 6 of Peer Team report**

“The teachers are encouraged and facilitated by the institution to undergo refresher courses, and attend seminars/conferences in order to enhance their professional competence. The College may avail the scheme of faculty development programme to enable the teachers to complete their Ph.D.”

INITIATIVE BY COLLEGE:

Faculty members are always encouraged by the college management to undergo orientation and refresher courses as well as to complete their Ph.D. research. After the last visit of NAAC, 5 faculty members have availed FDP schemes for Ph.D. works. Short study leaves and study leaves for post-doctoral work outside the state or abroad are also granted to the faculty members whenever required.

RECOMMENDATION 7:

Regular class tests and issue of progress reports

➤ **1st paragraph of Page 7 of Peer Team report**

“The college may take possible steps for ensuring rigorous class tests and in the annual examination conducted by the college, by say, arranging for progress report system where by some parental interest and involvement could be enlisted.”

INITIATIVE BY COLLEGE:

In the present system of the University of Calcutta, the college has to take one Mid-Term and one Selection Test for each of the three years of the B.A. and B.Sc. curricula. The marks are published and students can see their answer scripts after evaluation for their own upgradation. Moreover, faculty members regularly take class-tests to evaluate the students and help and enrich them with methods of upgradation.

RECOMMENDATION 8

Increase in research activities by the faculty members and setup for a sub committee to look after research and development .

➤ **Last paragraph of Page 7 of Peer Team report**

“As such, one or two teachers have taken good initiative of registering Ph.D. candidates as co-guide, the main guide being drawn from recognized research centers. Such collaborative research guidance could be encouraged.”

➤ **Fourth paragraph of Page16 of Peer Team report**

“Building a strong research culture may open up several opportunities of resource generation, placement of students, consultancy programmes etc. The college may set up a committee for development of research and consultancy activities.”

INITIATIVE BY COLLEGE:

The research activities of the faculty members have been increased manifold in the past few years. Many of the faculties of the science departments regularly carry on research works with major and minor research project grants from the UGC and other agencies. Faculty members of the Arts departments too are undertaking some minor projects, a few major research projects, with research fellows/associates .Other than the UGC, the faculty members are supported with grants from DST-India and ISRO. The College has established the IQAC which regularly monitors the progress of the research projects. The college has also secured the BOOST grant from the Department of Science and technology of the State to setup a Biotechnology Laboratory for research of all the Life Science

departments. Establishment of this laboratory is under process. Research and Development Sub-committee has been formed comprising senior faculty members from most of the departments to monitor the progress of research.

RECOMMENDATION 9:

Creation of an Institution-Industry cell

➤ **2nd paragraph of Page 8 of Peer Team report**

“The potential for linkages with the industry and other user agencies around could be better exploited by creating a nodal agency of “Institutional-Industry cell” with a select group of dynamic faculty. The expertise in the campus may need be better published to reach the potential clientele.”

➤ **2nd paragraph of Page 17 of Peer Team report**

“The college may further speed up its industry linkage efforts to rope in more partners in its endeavour of introducing self financing courses, training programmes, improving its infrastructure, modernising and updating its educational facilities. etc.”

INITIATIVE BY COLLEGE:

Department of Safety Engineering and the BBA courses have long association with industry houses.

The college has setup links with the Industry Guild, MCC (Merchants Chamber of Commerce), Kolkata and industry houses since the initiation of the vocational degree and diploma programmes under B.Voc. and Community College programmes. The linkages are increasing day-by-day and soon a formal industry-institution cell will be set up.

Department of Computer Science, Electronics, Industrial Fish & Fisheries are regularly collaborating with industries.

RECOMMENDATION 10:

Revival of NSS unit and Initiation of NCC

➤ **3rd paragraph of Page 8 of Peer Team report**

“However the colleges does not have a NSS programme which is a handicap to organize extension activities. It is said that there were NSS units sometime back; they may revived at the earliest.””

➤ **5th paragraph of Page 17 of Peer Team report**

“NCC and NSS activities all over the country have spread well and were known be important supplementary activities for the overall development of the student personality. The colleges need to take up these activities.”

INITIATIVE BY COLLEGE:

Both the NSS and the NCC units have been revived in recent years. These units are working under the supervision of faculty members endowed with the respective responsibilities by the college administration. The units are very much active and organize regular programmes inside and outside the college.

RECOMMENDATION 11:

Creation of department wise faculty room

- **2nd paragraph of Page 9 of Peer Team report**

“,.....there is dire need for making additional space available for the Department wise faculty room with separate cubicles for each teacher.”

INITIATIVE BY COLLEGE:

Every Science department has its own faculty room. The faculty rooms for the Arts departments have been created in the new academic building (Humanities Block) on Basanta Bose Road annexed to the main building.

RECOMMENDATION 12:

Revamping of Library and provision of additional space for the library

- **Last paragraph of Page 9 of Peer Team report**

“The college library is located on the ground floor of the building in a hall. It gives a cramped look with very little space for reference. Most of the books are old, indicating the need for acquiring more recent publications. The library automation is underway. There are reprographic and internet facilities. The library has an advisory committee which, may include some student representatives also. The library requires substantial revamping and additional space.”

INITIATIVE BY COLLEGE:

The library has been revamped in all respects. The old Library is remodeled to create more space and simultaneously to accommodate new books and more readers. A new reading room has been developed on the ground floor of Asutosh College Training Centre. Each department has its own departmental library. The post-graduate section now has its own separate library space in the basement floor of the Centenary Building at Kalighat Road with a section of e-Library. This building is dedicated to post-graduate section. The library operation is now fully automated & computerized. One can check the availability of books online.

RECOMMENDATION 13:

Provision of adequate computer facilities for the Arts departments

➤ **2nd paragraph of Page10 of Peer Team report**

“The Arts Departments may also be provided with adequate computer facility.”

INITIATIVE BY COLLEGE:

In addition to the science departments all the Arts departments now have their own Laptops with printer, scanner and internet facilities which are used in classrooms and also for preparation of study materials and for the purpose of examination.

RECOMMENDATION 14:

Improvement of sports facilities

➤ **3rd paragraph of Page10 of Peer Team report.**

“The sports performance of the students at University/Zonal level meets could be further improved if there is a full time Physical Director.”

INITIATIVE BY COLLEGE:

The college tent at Kolkata Maidan has been renovated. New gears for cricket and football are procured. The College gymnasium is also renovated and modernized with newer equipment. One of the staff has been assigned the charge to look after the sports activities along with two supportive staff.

RECOMMENDATION15:

Expansion of hostel facilities including construction of girls’ hostel

➤ **4th paragraph of Page10 of Peer Team report.**

“The college may go in for constructing a girls hostel in view of it being a Co-educational College. Expansion of hostel facilities might improve the corporate life of the college attracting students from outstation centers.”

INITIATIVE BY COLLEGE:

The Boys’ hostels are shifted to the sprawling second campus at Bhasa where new buildings with aid from the UGC and other sources have been erected. The college also has constructed one girls’ hostel with UGC grant at second campus. To-and-fro transportation facilities are being arranged for the inmates of the hostels.

RECOMMENDATION 16:

Initiation of a student support system from organized Alumni

- **1st and 2nd paragraph of Page11 of Peer Team report.**

“While it may be arduous task to keep track of the passed out graduates, attempts may be made to evolve a mechanism by which a database on Alumni profile could be obtained at the Department level. At present, there is no mechanism by excepting the informal contacts of some alumni with the faculty”

“The number of scholarships/endowments to support poor students could be augmented more by enlisting the fiscal support from the alumni who have settled in lucrative careers and a good number of them in overseas countries.”

- **1st paragraph of Page17 of Peer Team report.**

“The college needs to form the Alumni Association at a early date.”

INITIATIVE BY COLLEGE:

A registered Alumni Association has been formed in 2011, and is very supportive in almost all progressive activities of the college. The association also helps the present students through academic and financial support as and when necessary.

RECOMMENDATION 17:

Organization of an effective placement cell

- **Last paragraph of Page11 of Peer Team report.**

“The progression to employment and higher studies could be supported by the institution by strengthening and broad basing the counselling and guidance (through tutorial system) and organizing a placement cell.”

INITIATIVE BY COLLEGE:

The college now has an active placement cell, supervised by faculty members who are endowed with the responsibilities. This cell keeps contacts with potential recruiters and arranges campus interview events and job fairs. The cell also informs the students of various off-campus recruitment events and placement opportunities.

RECOMMENDATION 18:

Strengthening of the research activities by co-ordination and collaborations between the faculty members

- **3rd paragraph of Page13 of Peer Team report.**

“Now, most of the activities are either faculty- centered or department-confined. There seems to be little scope for information sharing, let alone research or teaching collaborations. The situation could be improved for inspiring each other into co-ordinated efforts.”

INITIATIVE BY COLLEGE:

The college and individual faculty members have initiated collaborative projects involving teachers of interdisciplinary interest. PG courses in many departments specially Environmental Sciences involves teaching and project guidance by faculty members of different departments. Setting up a common instrument facility for Bioscience departments under the BOOST scheme is also a positive endeavor in this regard.

RECOMMENDATION 19:

Enhancement of college management practice by computerization of the office and library and orientation of the staff accordingly.

➤ **4th paragraph of Page13 of Peer Team report.**

“The management may expedite its efforts in computerising the office, library, train and re-orient the staff and faculty by providing additional skills and training.”

➤ **Last paragraph of Page16 of Peer Team report.**

“ of the Library and administration needs to be expedited.”

INITIATIVE BY COLLEGE:

The college office, accounts department and the library are now fully and effectively computerized. Automation of the library has been completed. The library and office staff have been trained and are fully equipped with efficient handling of data regarding all office work.

RECOMMENDATION 20:

Building up of national/international collaboration in teaching, student and teacher exchange programmes and introduction of dual certificate/degree/ diploma programmes.

➤ **3rd paragraph of Page17 of Peer team report.**

“The college needs to explore its competency and expertise in developing national and international linkages in teaching programmes and research activities. Collaborative arrangements in areas such as student-teacher exchange, sharing of common educational programmes, introducing a dual certificate/diploma/ degree programme can be thought of.”

INITIATIVE BY COLLEGE:

Faculty members of the college strive to carry out collaborative research programmes most at the national level and a few at international level. Students carry out projects in collaboration with other institutes. Renowned faculty members of other institutes take classes and deliver seminars on collaborative basis.

RECOMMENDATION 21:

Initiation of non-formal education along with the existing formal education system

➤ **4th paragraph of Page17 of the Peer team report.**

“Formal education and non-formal education modes are here to co-exist. The college management and the faculty may ponder over making a structured open education programme available to the students.”

INITIATIVE BY COLLEGE:

Open education programmes in five disciplines (PG courses in English, Political Science, History, Environmental Science and Commerce) under DDE of Vidyasagar University introduced since 2012, introduction of Add-on-courses, B.Voc. and Community college programmes are our recent endeavour. The college also offers diploma courses in Safety Engineering & Management, Export & Import and Computer Courses for the UG/PG students.

RECOMMENDATION 22:

Expansion of the College Campus.

➤ **5th paragraph of Page 8 of the Peer team report.**

“The college located in the heart of Calcutta, is inevitably constrained in expanding its campus area. The present campus in an area of less than an acre contains of an old building structure. The vertical expansion may not be possible. Efforts are being made to acquire land/buildings in the neighbourhood of the campus. This may be expedited to ease the pressure on existing buildings.”

INITIATIVE BY COLLEGE:

As per recommendation of the Peer team the administration of the college has expanded its campus and as of now the college is spread across two main campuses – the First, or metropolitan campus, comprising the Main Building on 92, S. P. Mukherjee Road, with two ancillary units, the Asutosh College Training Centre (ACTC) and the Humanities Block on the adjacent Basanta Bose Road, and the newly-inaugurated Centenary Building on Kalighat Road; and the Second or suburban campus in Bhasa, South 24 Parganas, the GREEN CAMPUS of Asutosh College sprawling over 11 acres of land already with Boys' and Girls' hostels, Community College, PG study centre.

PROFILE OF THE INSTITUTION



PROFILE OF THE AFFILIATED / CONSTITUENT COLLEGE

1. Name and Address of the College:

Name :	Asutosh College		
Address :	92,Shyamaprasad Mukherjee Road		
City : Kolkata	Pin : 700026	State : West Bengal	
Website :	www.asutoshcollege.in		

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Dipak Kumar Kar	O: (033)24554504 R: (033) 24172107	7044577044	(033)24863006	mail@asutosh college.in
Vice Principal		O: R:			
Steering Committee Coordinator	Dr. Tathagata Ray Chaudhuri	O: (033)24554504 R: (033)25921764	9831162419	(033)24863006	tgbrc@yahoo.com

3. Status of the Institution:

Affiliated College	√
Constituent College	
Any other (specify)	

4. Type of Institution:

A. By Gender

i. For Men	
ii. For Women	
iii. Co- education	√

B. By Shift

i. Regular	
ii Day	√
iii. Evening	

ASUTOSH COLLEGE SSR 2015

5. It is a recognized minority institution?

YES	
NO	√

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

NA

6. Sources of funding:

Government	
Grant-in-Aid	√
Self-financing	PARTLY
Any other	

7. A Date of Establishment of the College:

17/07/1916 (dd/mm/yyyy)

B. University to which the college is affiliated /or which governs the college (If it is a constituent college)

UNIVERSITY OF CALCUTTA

C. Details of UGC Recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2(f)	07-11-1956	UGC website record and order
ii. 12(B)	07-11-1956	UGC website record and order

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act) : ENCLOSED

D. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
NA				

(Enclose the recognition/approval letter) NA

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes	√
No	

ASUTOSH COLLEGE SSR 2015

If yes, has the College applied for availing the autonomous status?

Yes	
No	√ (Partial Autonomy in PG courses)

9. IS THE COLLEGE RECOGNIZED

a. By UGC as a College with Potential for Excellence (CPE)?

Yes	
No	√

If yes, date of recognition (dd/mm/yyyy) NA

b. For its performance by any other governmental agency?

Yes	
No	√

If yes, Name of the agency NA and Date of recognition: NA (dd/mm/yyyy)

10. Location of the campus and area IN SQ MTS

CAMPUS	LOCATION	CAMPUS AREA	BUILT UP AREA
MAIN CAMPUS	URBAN (Kolkata Metropolitan area)	4452.54 Sq. Metre	4645.54 Sq. Metre
ACTC BUILDING		468.21 Sq. Metre	1672.25 Sq. Metre
CENTENARY BUILDING		535.15 Sq. Metre	1393.55 Sq. Metre
HUMANITIES BLOCK		334.47 Sq. Metre	929.03 Sq. Metre
BHASA SECOND CAMPUS	SEMI URBAN	44528.69 Sq. Metre	2415.48 Sq. Metre

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

Auditorium/seminar complex with infrastructural facilities	√ (1)
--	-------

ASUTOSH COLLEGE SSR 2015

SPORTS FACILITIES

Play ground	√ (1)
Swimming pool	NIL
Gymnasium	√ (1)

HOSTEL FACILITIES :

AVAILABLE

Boys Hostel		√
No of Hostels	1	
No of Inmates	60	
Facilities (mention available facilities)	i) Well ventilated rooms for inmates. ii) Adequate no of bathrooms iii) dining facilities iv) Indoor/ outdoor games facility. v) Library facility	
Girls Hostel		√
No of Hostels	1	
No of Inmates	60	
Facilities (mention available facilities)	i) Well ventilated rooms for inmates. ii) Adequate no of bathrooms iii) dining facilities iv) Indoor/ outdoor games facility. v) Library facility	

➤ Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)

Darwan	2
Security Personal	2
Employees	6

- Cafeteria : YES (1)
- Health centre : YES (First Aid Facility)
- Health Centre Staff : Medical staff, like a qualified nurse to be appointed.

Qualified Doctor : The college is located in front of the Chittaranjan Hospital and just 10 minutes away from the state's largest PG hospital	
Full Time	
Part Time	√
Qualified Nurse	
Full Time	
Part Time	To be appointed

- Facilities like banking, post office, book shops

ASUTOSH COLLEGE SSR 2015

Banking	Campus is surrounded by branches of all nationalized banks
Post Office	Bhowanipore and Kalighat Post Office
Book Shops	Cheap Store

- Transport facilities to cater to the needs of students and staff
Institute's own transport recently approved by Local MP Lad
- fund. Animal house : 1
- Biological waste disposal: KMC service available.
- Generator or other facility for management/regulation of electricity and voltage :
2 (One each at Main Campus and Second Campus, 1 more in process at Centenary Building)
- Solid waste management facility-1 (Under Preparation at 2nd Campus)
- Waste water management :
- Water harvesting : 1 (Under process 2nd Campus)

12. Details of programmes offered by the college (Give data for current academic year)

(* The actual number registered, but the actual classroom strength remains same to be approved after inter-departmental transfer during admission procedure.)

NAME OF THE PROGRAMME /COURSE	DURATION	ENTRY QUALIFICATION	MED OF INSTRCTN	SANCTIONED/ APPROVED STUDENT STRENGTH	NO OF STUDENTS ADMITTED*
UNDER GRADUATE COURSES (HONOURS)					
Bengali	3 year	Aggregate: 50% and Bengali: 45% (in 10+2 or Equivalent)	Bengali	62	104
English	3 year	Aggregate: 50% and English: 45% (in 10+2 or Equivalent)	English	83	163
History	3 year	Aggregate: 50%, History: 45% OR Aggregate: 50% (without History) (in 10+2 or Equivalent)	English /Bengali	62	69
Journalism & Mass Communication	3 year	Aggregate: 50% (in 10+2 or Equivalent)	English/ Bengali	42	98
Philosophy	3 year	Aggregate: 50% and Philosophy: 45% OR Aggregate: 50% (without Philosophy) (in 10+2 or Equivalent)	Bengali/ English	62	73
Political Science	3 year	Aggregate: 50%, Political Science: 45% OR Aggregate: 50%	Bengali/ English	62	91

ASUTOSH COLLEGE SSR 2015

		(without Political Science) (in 10+2 or Equivalent)			
Psychology (ARTS)	3 year	Aggregate: 50% (in 10+2 or Equivalent)	Bengali/English	21	32
Sanskrit	3 year	Aggregate: 50%, Sanskrit: 45% OR Aggregate: 50% (without Sanskrit) (in 10+2 or Equivalent)	Bengali/English	52	76
Sociology	3 year	Aggregate: 50% (in 10+2 or Equivalent)	English/Bengali	42	61
Communicative English	3 year	Aggregate: 45% Passed in English (in 10+2 or Equivalent)	English	52	82
Bio-Chemistry	3 year	Aggregate: 50%, Passed in Biotechnology/Biology, Chemistry, Mathematics, Physics (in 10+2 or Equivalent)	English Bengali	42	57
Botany	3 year	Aggregate: 50%, Biology/Biotechnology: 45% and Passed in Chemistry (in 10+2 or Equivalent)	English/Bengali	52	89
Chemistry	3 year	Aggregate: 50%, Chemistry: 45%, Passed in Mathematics and Physics (in 10+2 or Equivalent)	English/Bengali	103	112
Computer Sc.	3 year	Aggregate: 50%, Physics/ Statistics: 45% and Passed in Mathematics (in 10+2 or Equivalent)	English	72	95
Economics	3 year	Aggregate: 50%, Passed in Mathematics (in 10+2 or Equivalent)	English/Bengali	62	100
Electronics	3 year	Aggregate: 50%, Passed in Mathematics and Physics (in 10+2 or Equivalent)	English/Bengali	42	50
Environmental Science	3 year	Aggregate: 50%, and passed in Physics, Chemistry, Mathematics and Biology/Biotechnology (in 10+2 or Equivalent)	English/Bengali	42	38
Geography	3 year	Aggregate: 50%, Geography: 45% and Passed with Economics / Political Science / History / Education / Philosophy / Sociology / Chemistry / Physics / Statistics / Biology / Computer Science /	English/Bengali	83	85

ASUTOSH COLLEGE SSR 2015

		Geology./ Mathematics (in 10+2 or Equivalent)			
Geology	3 year	Aggregate: 50%, and Passed in Mathematics, Chemistry and Physics (in 10+2 or Equivalent)	English/ Bengali	42	75
Mathematics	3 year	Aggregate: 50%, Mathematics: 45% and Passed in Chemistry and Physics (Business Mathematics is not the substitute of Mathematics (in 10+2 or Equivalent)	English/ Bengali	103	91
Microbiology	3 year	Aggregate: 50%, Biology/Biotechnology: 45% and Passed in Chemistry, Physics and Mathematics (in 10+2 or Equivalent)	English/ Bengali	42	54
Physics	3 year	Aggregate: 50%, Physics: 45%, Passed in Mathematics, Chemistry (in 10+2 or Equivalent)	English/ Bengali	103	118
Psychology (SCIENCE)	3 year	Aggregate: 50% (in 10+2 or Equivalent)	English/ Bengali	32	41
Statistics	3 year	Aggregate: 50%, Passed in Mathematics (in 10+2 or Equivalent)	English/ Bengali	62	95
Zoology	3 year	Aggregate: 50%, Biology/Biotechnology: 45% and Passed in Chemistry and Physics (in 10+2 or Equivalent)	English/ Bengali	62	118
Industrial Fish and Fisheries (Major)	3 year	Aggregate: 45%, Passed in Biology/Biotechnology, Chemistry and Physics (in 10+2 or Equivalent)	English/ Bengali	52	74

BBA	3 year	Aggregate: 55% from any discipline in H.S. or equivalent examination. (in 10+2 or Equivalent)	English/ Bengali	51	75
UNDER GRADUATE (GENERAL)					
BA GENERAL	3 year	Passed in 10+2 equivalent exam	English/ Bengali	258	301
BSC GENERAL	3 year	Passed in 10+2 equivalent exam	English/ Bengali	258	197
POST GRADUATE					
Computer and Information Science(M.Sc.)	2 year	50% marks in the respective Honours subject at B.Sc.	English	25	25
Applied Geology (M.Sc.)	2 year	50% marks in the respective Honours subject at B.Sc.	English	17	17

ASUTOSH COLLEGE SSR 2015

Geography (M.Sc.)	2 year	50% marks in the respective Honours subject at B.Sc./B.A.	English	29	29
Zoology (M.Sc.)	2 year	50% marks in the respective Honours subject at B.Sc.	English	31	31
Environmental Science (M.Sc.)	2 year	qualified with Honours in Environmental Science as well as from any science stream with Chemistry/ Biochemistry at undergraduate level are eligible for Environmental Science.	English	35	35
Bengali (M.A.)	2 year	50% marks in the respective Honours subject at B.A.	Bengali	50	49
INTEGRATED PROGRAMMES PG : NA					
PH.D.: NA					
M.PHIL.: NA					
CERTIFICATE COURSES					
Travel and Tourism	6 month	Enrolled in the UG programmes of the College for (a)B.A/B.Sc(Hons and Pass) (b)& (c)-B.Sc(Hons &Pass)	English	40	30
Industrial Chemistry			English	40	27
Hospital Waste Disposal Management			English	40	22
UG DIPLOMA AND ADVANCED DIPLOMA					
Mobile Communication	1 year/ 2 year	i)Aggregate of Top Four Subjects: 45% ii) Passed in English (Full Marks 100) iii)Passed in Mathematics iv)Passed in Physics/Computer Sc./ Computer Application/Statistics (in 10+2 or Equivalent)	English/ Bengali	50	10
Software Development	1 year/ 2 year	i)Aggregate of Top Four Subjects: 45% ii) Passed in English (Full Marks 100) iii)Passed in Mathematics iv)Passed in Physics/Computer Sc./ Computer Application/Statistics (in 10+2 or Equivalent)	English/ Bengali	50	50
Industrial Safety Engineering and Management	1 ½ year	Undergraduate from Science stream with Phy, Chem, Math	English	50	50
PG DIPLOMA					
Soil and water Analysis	1 year	B. Sc (Hons/Gen)	English/ Bengali	50	50
ANY OTHER (SPECIFY AND PROVIDE DETAILS)					
PG Courses through Distance Education Centre of Vidyasagar University(M.A-English,History,Political Science),M.Sc(Environmental Science),M.Com)	2 year	B.A(Hons) History,Pol Sc,English,Env Sc,B.Com(Hons)	English/ Bengali	475	382
Professional/Training Courses (WBCSExamination.NET.SET.	6 month	Undergraduate/Postgraduate	English	NA	NA

ASUTOSH COLLEGE SSR 2015

School Service Commission Examination, CombiinedExaminations,Export-Import Management,ComputerCourses,Career Counselling)					
B.Voc Courses (Software Development, Industrial Aquaculture and Fisheries)	3 year	A i)Aggregate of Top Four Subjects: 45% ii) Passed in English (Full Marks 100) iii)Passed in Mathematics iv)Passed in Physics/Computer Sc./ Computer Application /Statistics (in 10+2 or Equivalent) B. i) Aggregate of Top Four Subjects: 45% ii) Passed in English (Full Marks 100) iii) Passed in Mathematics iv) Passed in Physics/Computer Sc./ Computer Application/Statistics v)Passed in Chemistry vi) Passed in Biology/Biological Science /Biotechnology/Micro-biology / Agriculture / Pisciculture/ Horticulture (in 10+2 or Equivalent)	English /B	50 + 50	50+32

* The actual number registered, but the actual classroom strength remains same to be approved after inter-departmental transfer during admission procedure.

13. Does the college offer self-financed Programmes?

YES	√
NO	

If yes, how many ?

UG	7
PG	6

14. New programmes introduced in the college during the last 5 years if any?

YES	√
NO	
NUMBER	18

ASUTOSH COLLEGE SSR 2015

SL NO.	COURSE/SUBJECT	YEAR
1	GEOGRAPHY (PG)	2009
2	ZOOLOGY (PG)	2009
3	BENGALI (PG)	2011
4	B.Sc. (HONS) in ENV SC	2011
5	ENGLISH (PG)(DIST.)	2012
6	HISTORY (PG)(DIST.)	2012
7	POLITICAL SCIENCE (PG)(DIST.)	2012
8	ENVIRONMENTAL SCIENCE (PG)(DIST.)	2012
9	TRAVEL & TOURISM (ADD-ON)	2013
10	INDUSTRIAL CHEMISTRY (ADD-ON)	2013
11	HOSPITAL WASTE DISPOSAL MANAGEMENT (ADD-ON)	2013
12	APPLIED GEOLOGY (PG)	2014
13	COMPUTER & INFORMATION SCIENCE (PG)	2014
14	SOFTWARE DEVELOPMENT (B.VOC)	2014
15	INDUSTRIAL AQUACULTURE & FISHERIES (B.VOC)	2014
16	MOBILE COMMUNICATION (COMM CLG)	2014
17	SOFTWARE DEVELOPMENT (COMM CLG)	2014
18.	MCOM (PG) (DIST)	2015

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments	UG	PG	Research
Science	Botany	✓	—	✓(2 Projects) Under UGC
	Zoology	✓	✓ (Regular)	✓(1 Project) Under UGC
	Microbiology	✓	—	✓(1 Project) Under UGC
	Mathematics	✓	—	✓(1 Project) Under UGC
	Bio-Chemistry	✓	—	—
	Chemistry	✓	—	—
	Computer Science	✓	✓ (Regular)	—

ASUTOSH COLLEGE SSR 2015

	Microbiology	✓	–	–
	Physics	✓	–	–
	Electronics	✓	–	–
	Economics	✓	–	–
	Environmental Science	✓	✓(Regular) and (Distance from V.U.)	✓(3 Projects) Under West Bengal Biodiversity Board
	Geography	✓	✓ (Regular)	✓(2 Projects) Under UGC & ICSSR
	Geology	✓	✓ (Regular)	✓(3 Projects) Under UGC, ISRO, DST(Govt of India
	Industrial Fish and Fisheries	✓	–	✓(1 Project) Under UGC
	Statistics	✓	–	–
	Industrial Aquaculture & Fisheries	✓	–	–
	Software Development	✓	–	–
Arts	Bengali	✓	✓ (Regular)	✓(4 Projects)
	Communicative English	✓	–	–
	English	✓	✓(Distance)	–
	History	✓	✓(Distance)	–
	Journalism and Mass Communication	✓	–	–
	Philosophy	✓	–	–
	Political Science	✓	✓(Distance)	–
	Psychology	✓	–	✓(3 Projects) Under UGC
	Sanskrit	✓	–	–
	Sociology	✓	–	–
	Management Studies B.B.A.	✓	–	–
Commerce	x	–	✓(distance)	–
Any Other (Specify)				

ASUTOSH COLLEGE SSR 2015

16. Number of Programmes offered under (Programme means a degree course like BA, B.Sc, MA, M.Com...)

Annual system	26 UG
Semester system	8 (6 PG + 2 UG)
Distance education	5 PG
Trimester system	NIL

17. Number of Programmes with

Choice Based Credit System	2
Inter/Multidisciplinary Approach	3
Any other	-

18. Does the college offer UG and/or PG programmes in Teacher Education?

YES	
NO	√

If yes,

- Year of Introduction of the programme(s) : NA
and number of batches that completed the programme NA
- NCTE recognition details (if applicable) NA
- Is the institution opting for assessment and accreditation of Teacher Education Programme separately? NA

YES	
NO	

19. Does the college offer UG or PG programme in Physical Education?

YES	
NO	√

ASUTOSH COLLEGE SSR 2015

- a. Year of Introduction of the programme(s) NA
and number of batches that completed the programme NA
- b. NCTE recognition details (if applicable) NA
- c. Is the institution opting for assessment and accreditation of Physical Education Programme separately? NA

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government	1		9	16	49	42	30	1	7	3
YET TO BE RECRUITED					31		22			
Sanctioned by the Management/ society or other authorized bodies					21	23	62	13	8	3
YET BE RECRUITED										

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	1		6	10	10	9	36
M.Phil.			1	2	3		6
PG			2	4	7	2	15
Temporary teachers/Guest							
Ph.D.					3	3	6
M.Phil./M.Tech					6	4	10
PG					12	16	28
Part-time teachers							

ASUTOSH COLLEGE SSR 2015

Ph.D.						1	01
M.Phil.					3	1	02
PG					3	6	9
Contractual whole Time Teacher							
Ph.D.					10	11	21
M.Phil.					4(2**)	2	06
PG					9	10	19

22. Number of Visiting Faculty /Guest Faculty engaged with the College.
(Around 150)

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2012		2013		2014		2015	
	Year 1		Year 2		Year 3		Year 4	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	418	243	534	276	474	293	357	271
ST	70	50	119	77	105	75	75	48
OBC					133	60	204	115
General	2539	2282	2969	2737	2904	2989	2327	2549
Others (PC)	10	2	22	4	28	8	22	6

24. Details on students enrolment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	2787	183	NA	NA	2970
Students from other states of India	65	3	NA	NA	68
NRI students	0	0	NA	NA	0
Foreign students	4	0	NA	NA	4
Total	2856	186	NA	NA	3042

ASUTOSH COLLEGE SSR 2015

25. Dropout rate in UG and PG (average of the last two batches)

UG	2%
PG	NIL

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component	Rs. 16571/-
(b) excluding the salary component	Rs. 7142/-

27. Does the college offer any programme/s in distance education mode (DEP)?

YES	√
NO	

If yes,

a) Is it a registered centre for offering distance education programmes of another University

YES	√
NO	

b) Name of the University which has granted such registration.

Vidyasagar University

c) Number of programmes offered

5

d) Programmes carry the recognition of the Distance Education Council.

YES	√
NO	

ASUTOSH COLLEGE SSR 2015

28. Provide Student -Teacher ratio for each of the programmes/courses offered (2014-2015)

Science	Departments	Ratio (UG)	PG
	Environmental Science	9:1	2:1
	Geology	31:1	3:1
	Zoology	25:1	2:1
	Geography	11:1	3.3:1
	Physics	44:1	
	Statistics	44:1	
	Economics	87:1	
	Electronics	16:1	
	IFF	34.8:1	
	Microbiology	31:1	
	Botany	15:1	
	Chemistry	23:1	
	Psychology	32:1	
	Biochemistry	38:1	
	Mathematics	39:1	
	Computer Science	20:1	4:1
Arts	Journalism and Mass Communication	41:1	
	Philosophy	20:1	
	History	27:1	
	Sanskrit	18:1	
	English	18:1	
	Communicative English	42:1	
	Political Science	41:1	
	Sociology	30:1	
	Bengali	33:1	6:1
	Hindi	200:1	
Commerce	BBA	8:1	

29. Is the college applying for

Accreditation :

Cycle 1	Cycle 2	Cycle 3	Cycle 4
	√		

Re-Assessment:

☐

ASUTOSH COLLEGE SSR 2015

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle	Date (dd/mm/yyyy)	Accreditation Outcome/Result
Cycle 1	01/10/2002	C++
Cycle 2	NA	
Cycle 3	NA	

** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.*

31. Number of working days during the last academic year

235

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

170

33. Date of establishment of Internal Quality Assurance Cell (IQAC) IQAC:

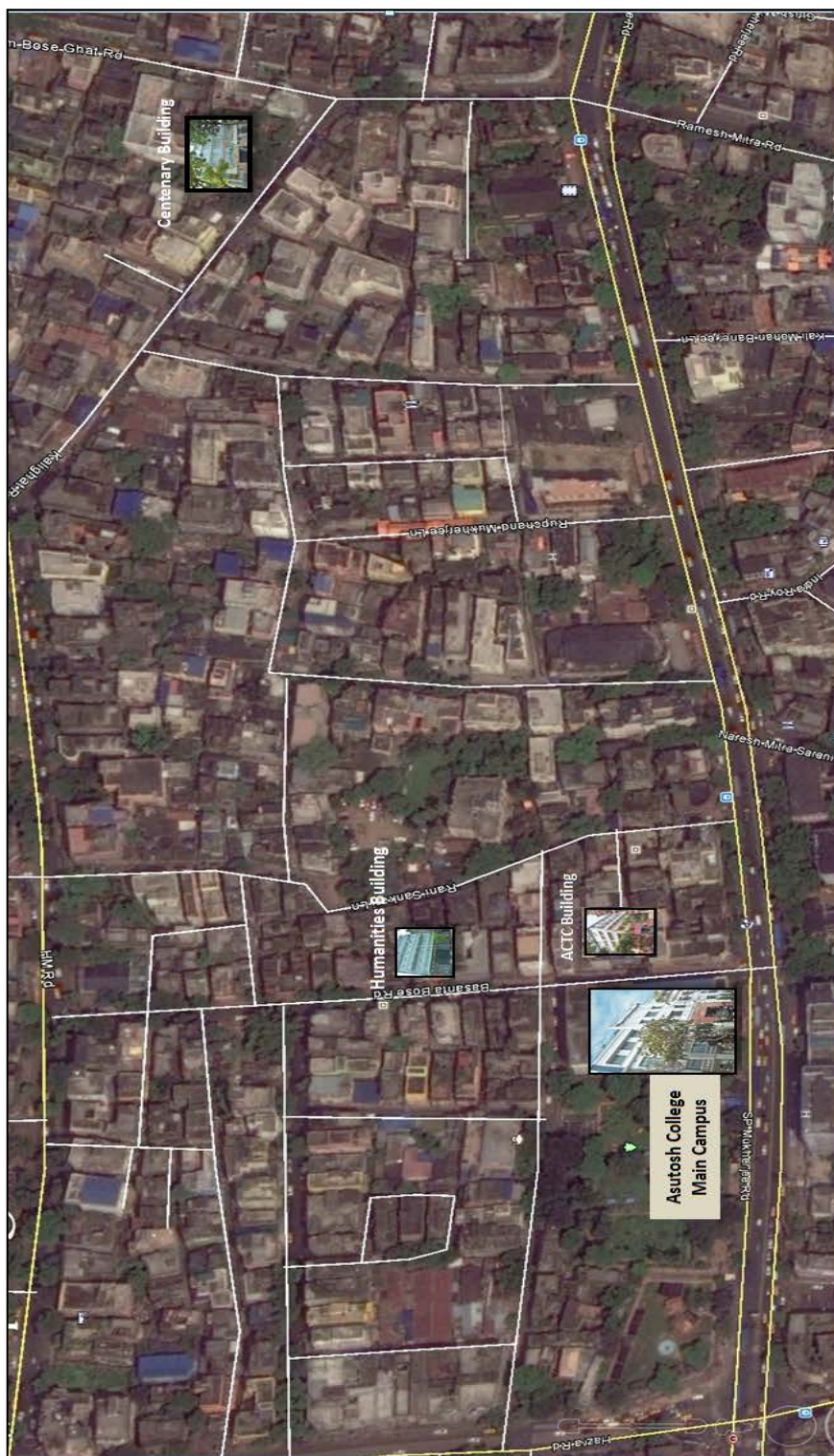
01/10/2009 (dd/mm/yyyy)

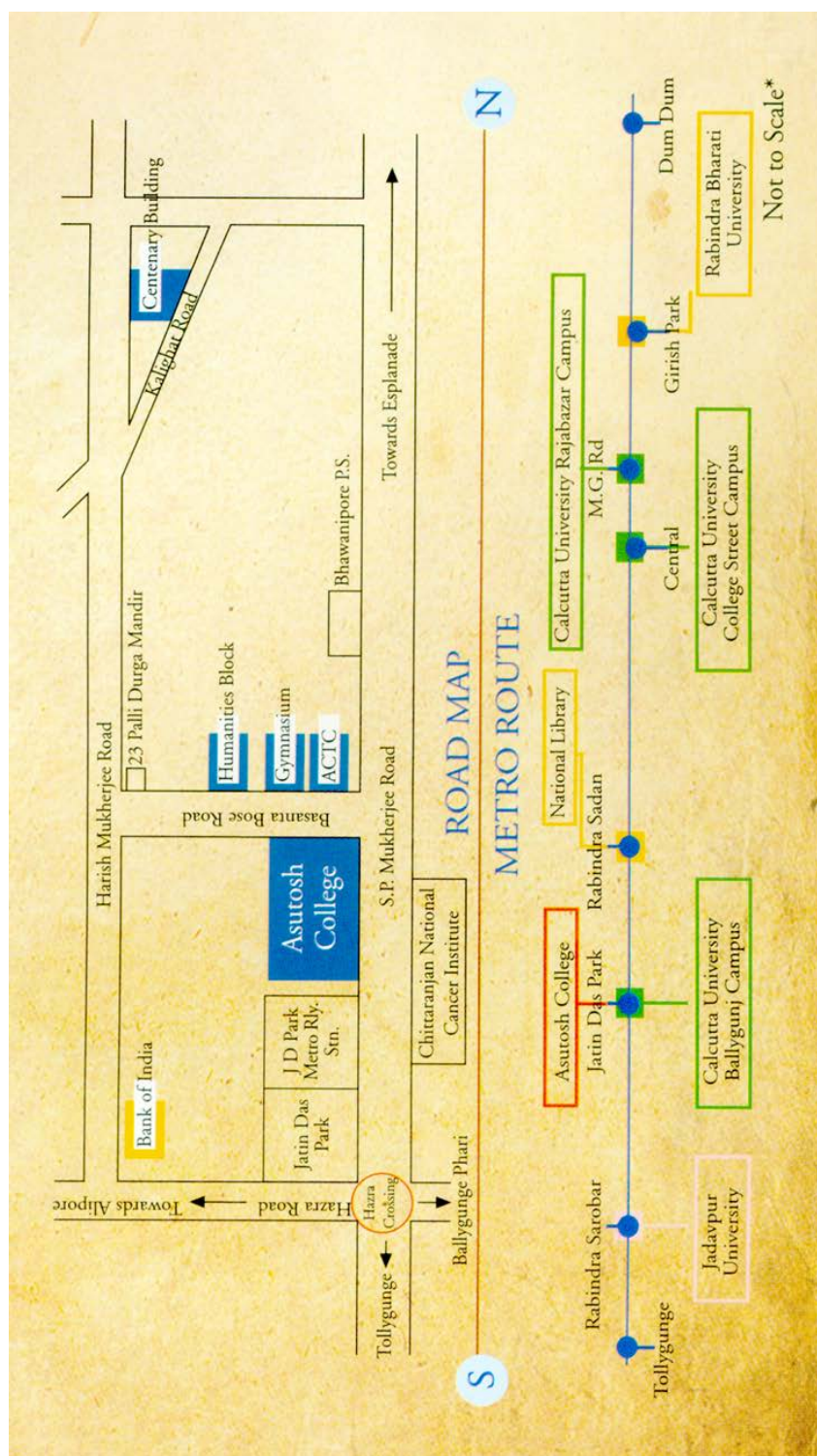
34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC

Annual Quality Assurance Reports	Date (dd/mm/yyyy)
AQAR (2010-11)	25/05/2014
AQAR (2011-12)	26/05/2014
AQAR (2012-13)	26/05/2014
AQAR (2013-14)	26/05/2014
AQAR (2014-15)	14/01/2016

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

LOCATION MAP





CRITERIA-WISE INPUT



CRITERION I: CURRICULAR ASPECTS

1.1. CURRICULUM PLANNING AND IMPLEMENTATION

- 1.1.1 State the vision, mission, and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Asutosh College, formerly known as South Suburban College, was established on 17th July, 1916, under the visionary leadership of Sir Asutosh Mookerjee, one of the pioneers of modern education in India.

A premier learning institute of West Bengal, the college, as of today, has created its niche as a centre of both Undergraduate & Postgraduate studies and research in more than 28 disciplines including some of the emerging areas of recent times.

Our Vision

- *JNĀN JETHĀ MUKTA* ('Where Knowledge is Free...')
- To impart not only formal education to all, irrespective of caste, creed, social and economic status, or physical health, but also adopt a holistic approach to knowledge as a means of attaining wisdom.
- To remain faithful and dedicated to our traditional goal of teaching and learning.

Our Mission

- To facilitate the realization of the motto of *inclusive and holistic education*;
- To take the right to education a step further by making **institutionalized education** available and accessible to all irrespective of differences in gender, religion, language, physical abilities, social and economic status;
- To instil in our students moral values, discipline and dynamism along with imparting quality education;
- To provide value based and value added education that imparts a feeling of self-esteem, self-confidence and self-respect among the students;

- To inject energy and vigour among our youth and help them evolve as responsible future citizens of the country;
- In spite of being essentially a premier urban College, located in Kolkata, cater to the needs of students from all over the state, neighbouring states and even neighbouring countries;
- Being a part of the education system of densely populated country like India, to reach out to the maximum possible number of students, without compromising on quality.

Our Objective

- To create not only awardees of degrees, but also responsible human beings and citizens;
- To provide an ambience that makes our students physically, mentally, culturally and professionally competent, and thereby, capable of contributing to a healthy and prosperous society;
- To provide need-based education to cope up with the changing requirements of the society;
- To attain excellence through academics;
- To sustain the rich legacy of excellence of the college.

These are communicated to the different stakeholders in the following manner:

A. Students:

1. Prospectus: The College distributes the Prospectus which highlights the vision, mission and objectives of the institution to all the applicants aspiring admission to the college.

2. Orientation Programme: On the first day of a new academic session an Orientation Programme for the newly admitted students is held at the Asutosh Memorial Hall, where the members of the Administration including the Governing Body President (currently Prof. Saugata Ray, MP), Principal, Bursar, senior teachers and other Guests-of -Honour address the students highlighting the mission, vision and objectives of the institution. This year, we had the Honour to have with us Sri Chittatosh Mukherjee (Former Chief Justice, Bombay High Court and grandson of Sir Asutosh Mukherjee) and our Hon'ble Education Minister, Dr. Partha Chatterjee (who is also an alumnus) as the Guests-of-Honour. The presence of such luminaries and their motivating lectures add weight to the communication of the mission, vision, and objectives of the college.

3. College Website: The College has its own website designed and maintained by the Computer Science department and IT section of the college. It is regularly updated highlighting the vision, mission and objectives of the institution.

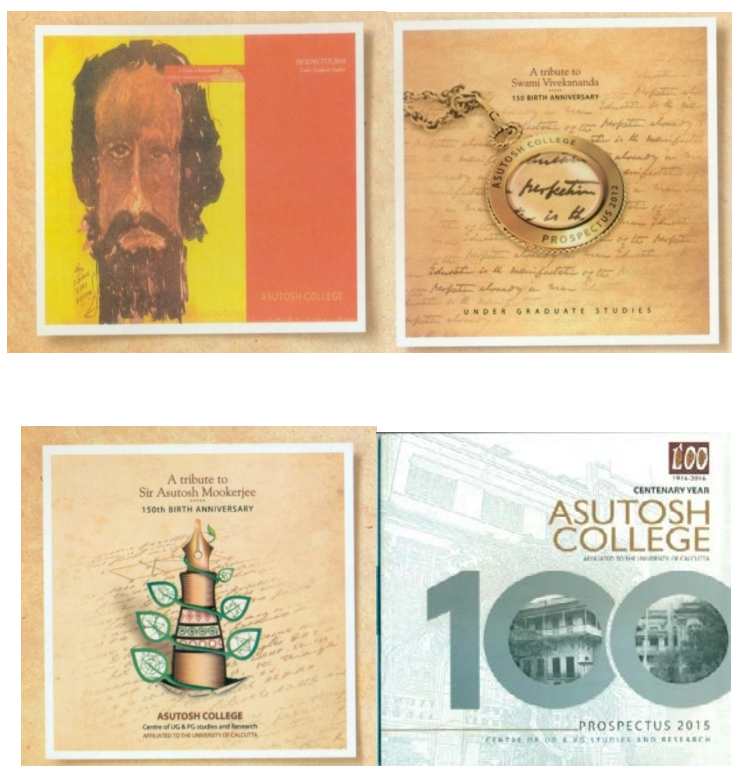
4. Display Boards: These are placed at strategic locations within the college premises for students to have a look at important messages regularly.

5. Contact Sessions: These are organized by the departments and conducted by scholars of repute and include **workshops and interactive sessions and lectures.**

B. Teachers: Through Teachers' Council meetings, Notice Books, Academic Affairs Committee meetings, various seminars organized by the College, and informal discussions with the Principal.

C. Non-Teaching Staff: Through Non-Teaching Staff Council meetings, Notice Books, and informal discussions with the Principal.

D. Parents/ Guardians: Information about the vision and mission of the college is communicated to them on the day of counselling for admission and in subsequent interactions during parent/ guardian –teacher meetings.



COVER PAGES OF THE SPECIAL ISSUES OF THE COLLEGE PROSPECTUS

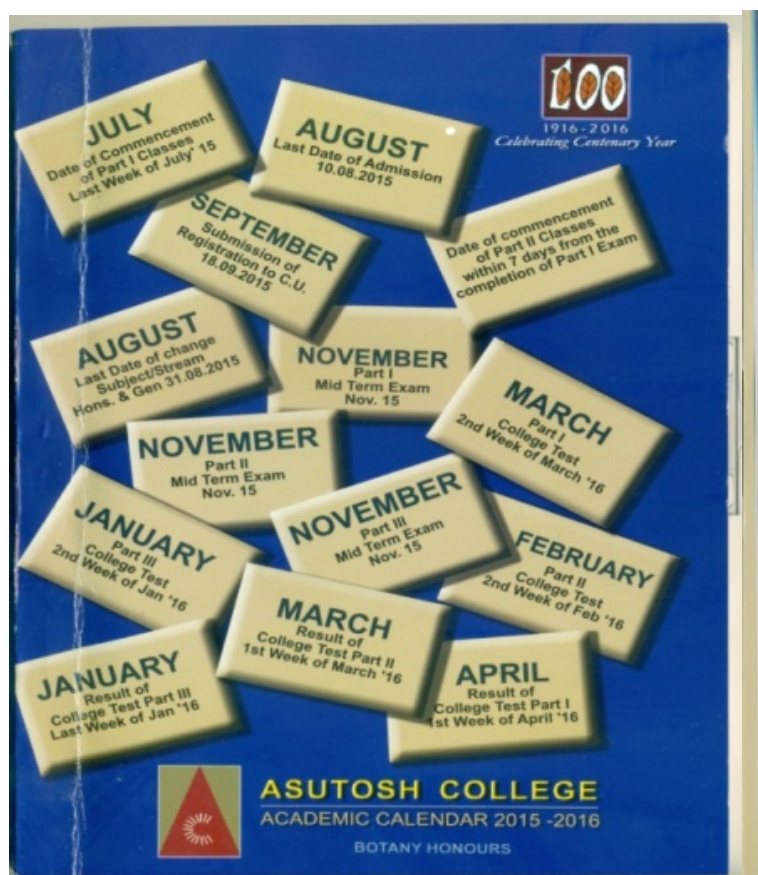
1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The College implements the curricula set by the University of Calcutta in all its UG courses. The curriculum of PG courses is developed by the PG Board of Studies and expert committee and endorsed by the University of Calcutta.

For effective implementation of the curriculum the following are the measures that are taken:

1. ACADEMIC CALENDAR:

The Academic Calendar, prepared by the different departments, outlines the details of the syllabus, the distribution of syllabus among the faculty members and the approximate number of lectures allotted for its completion, along with probable schedule of college examinations like Mid-term and Selection Tests.



2 Botany (H)

ACADEMIC CALENDAR: AT A GLANCE

MONTH	1 ST Year	2 ND Year	3 RD Year
JULY	Admission and commencement of classes	Admission	Admission
AUGUST	1 st Guardian Teacher Meeting	Commencement of Classes	Commencement of Classes
SEPTEMBER	Post Admission Test (Unit I)	Unit I Test/ Local Excursion	
OCTOBER		1 st Guardian Teacher Meeting	1 st Guardian Teacher Meeting
NOVEMBER	Half Yearly Exam (Unit II)	Half Yearly Exam (Unit II) Long Excursion	Half Yearly Exam (Unit I)
DECEMBER	1st Local Field Excursion	Local Excursion	2 nd Guardian teacher meeting
JANUARY	Mid-term Test (Unit III)	Mid-term Test (Unit III) 2 nd Guardian teacher meeting	Selection Test (Unit II)
FEBRUARY	2 nd Guardian teacher meeting	Selection Test (Unit IV)	3 rd Guardian teacher meeting
MARCH	Selection Test (Unit IV)	3 rd Guardian teacher meeting	Preparatory Tests
APRIL	3 rd Guardian teacher meeting	Preparatory Tests	Part III Examination
MAY	Preparatory Tests		
JUNE	Part I Examination	Part II Examination	

ACADEMIC CALENDAR 2015-2016

2. TEACHING PLAN:

Respective Departments prepare exhaustive teaching plans which are followed rigorously, while also making provisions for unforeseen circumstances, so as to complete the syllabus in time.

3. REGULAR CLASSES:

Classes are held regularly according to a master-routine for the completion of the syllabus in time.

4. TUTORIAL AND REMEDIAL CLASSES:

Special tutorial classes are generally arranged to enrich the academic curriculum. As per UGC guidelines, remedial classes for students from SC, ST, OBC and minority community are held throughout the year.

5. CONTINUOUS EVALUATION:

Class tests, Mid-term examinations and Selection tests are held in all the three years of the graduate programme to familiarise students with the pattern of the university examination. The internal evaluation system is structured in a vital, need-based manner in conformity with the broad guidelines of the University.

6. LIBRARY SUPPORT:

In all subjects the students and the teachers have access to a rich collection of books and journals in the Central library and departmental libraries, which have been fully automated.

7. DEMONSTRATIVE TEACHING:

Practical and demonstrative teachings are undertaken in well-equipped laboratories. During Laboratory and demonstration class 'one to one' interaction and hands-on training of the students are undertaken.

8. INTERACTIVE AND PARTICIPATORY TEACHING:

Students are encouraged to ask questions and take part in group discussions in the class. They are encouraged to present papers, write articles in in-house journals, participate in inter-college competitions and also deliver talks in seminars and conferences held in and outside the college. The department of Political Science has a tradition of participating

in Intra-and inter-college Mock Parliaments.

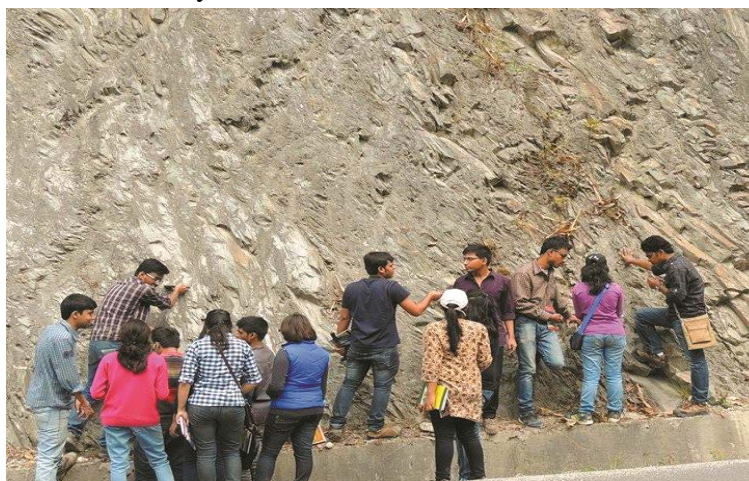
In non-lab based subjects like Communicative English, use of Language Laboratory is encouraged.



STUDENTS PARTICIPATING IN THE MOCK PARLIAMENT

9. FIELD STUDY:

Educational visits and excursions are undertaken in various subjects like Botany, Zoology, Geography, Geology, Environmental Science, as part of the curriculum. In certain subjects like History, where excursions are not a mandatory part of the curriculum, and the Add-on course in Travel and Tourism, excursions and field visits are arranged, to complement and supplement the theoretical syllabus.



STUDENTS OF APPLIED GEOLOGY (M.SC.) DURING FIELDWORK

10. TECHNOLOGY-ENABLED TEACHING-LEARNING:

In science subjects PPT presentations are arranged whenever necessary. Many departments use animations, video clippings and online demonstration tools for teaching-learning. In Literature departments, film adaptations of plays and novels which are part of the syllabus, are screened, followed by discussions.

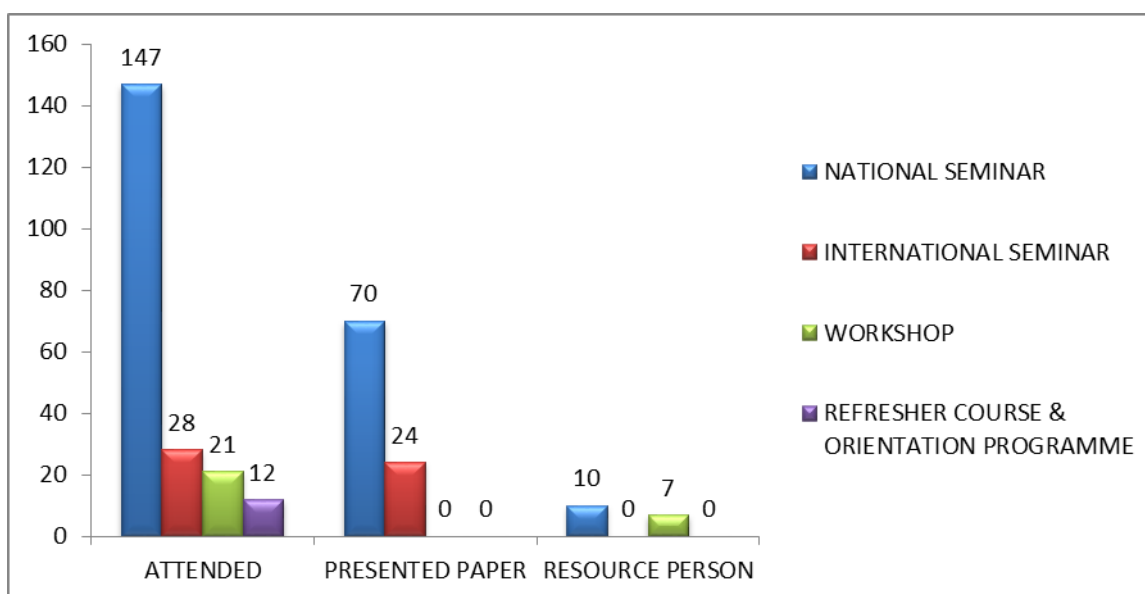
1.1.3. What type of support (procedural and practical) do the teachers receive (from the University and / or institution) for effectively translating the curriculum and improving teaching practices?

SUPPORT FROM UNIVERSITY FOR EFFECTIVELY TRANSLATING THE CURRICULUM AND IMPROVING TEACHING PRACTICES:

- The yearly academic activities –classes and examinations– are conducted according to the academic schedule of the University of Calcutta.
- The University disseminates information regarding changes in curricula and examination question patterns through periodic circulars, copies of which are distributed among the faculty members. In many subjects, the University also forwards Model Questions' Booklets for the benefit of teachers and students alike.
- The teachers are encouraged to participate in the workshops organized by the University and other colleges for implementation of new syllabus or changes in the existing one to ensure effective introduction of the same.
- The teachers are also encouraged to participate in various Refresher courses, Orientation Programmes, seminars and symposia to keep themselves abreast of recent developments and frontier areas of research in their respective subjects.

Table 1.1.3 Participation of Faculty in Quality Enhancement Programmes (LAST 4 YEARS)

QUALITY ENHANCEMENT PROGRAMMES	NO OF FACULTY MEMBERS	
NATIONAL SEMINAR	ATTENDED	147
	PRESENTED PAPER	70
	RESOURCE PERSON	10
INTERNATIONAL SEMINAR	ATTENDED	28
	PRESENTED PAPER	24
WORKSHOP	PARTICIPATED	21
	RESOURCE PERSON	7
REFRESHER COURSE & ORIENTATION PROGRAMME ATTENDED		12



SUPPORT FROM INSTITUTE FOR EFFECTIVELY TRANSLATING THE CURRICULUM AND IMPROVING TEACHING PRACTICES:

There is a little scope of introducing too many suggestions in the UG syllabus but the institution constantly motivates and supports the teaching community to face the challenges of today's academic scenario, and implement a student-centric teaching-learning practice.

- Spacious well-lit and airy classrooms and laboratories equipped with all necessary and latest instruments for smooth implementation of the curriculum is provided by the institution.
- Most departments are equipped with overhead and LCD projectors used frequently as aids to the teaching-learning process.
- The institution provides adequate funds for purchase of instruments, chemicals, glassware and all other necessary components for practical and demonstration classes.
- The institution provides adequate funds to different departments for purchasing latest books and journals so as to upgrade the information base and implement recent teaching methods.
- Financial assistance is provided to the teachers for presenting papers in national as well as international conferences.
- The institution encourages the teachers to organize seminars and to participate in conferences, seminars and workshops organized by other institutions of Higher Education, visits to industry and research institutes, etc.

- Many faculty members are attached with various research Institutions, University and Research Bodies for their ongoing research projects. Funding agencies like UGC, CSIR, DBT and others contribute a substantial amount of funds to the different ongoing research projects of the institution. The college authorities encourage such projects and provide requisite support for the implementation of the same.
- The teachers also utilize the facilities of library and related resources like INFLIBNET, e-library, Photocopy, Computer and Internet connections (including Wi-Fi facility), printing and scanning for the improvement of the teaching-learning process and research activities.



CENTRAL LIBRARY READING ROOM

1.1.4. Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the curriculum provided by the affiliating University or other statutory agency.

- Some initiatives and contributions made by this institution for the effective delivery and transaction of the curriculum are:
 - Preparation of Academic Calendar as a blueprint for timely and effective coverage of the syllabus.
 - Preparation of a Teaching Plan and maintenance of academic progress record to track progress.
 - Field study regularly organised in Botany, Zoology, Geology, Geography, Environmental Science departments.
 - In History, educational excursion has been introduced, both overnight excursions to places of historical significance as also day-long trips to museums/ historical sites.

- In Microbiology, industrial visits are arranged as extensions of the teaching programme.
 - In Political Science, participation of Students in Mock Parliament is encouraged.
 - In Environmental Science department an Eco-Club carries out different ecology-related programmes.
 - Students of Microbiology are encouraged to carry out small projects in the department to gain research experience.
 - In the Psychology department, there is a Psychotherapy Unit which conducts counselling sessions.
- There is little provision under the existing system of Calcutta University for affiliated colleges to make independent changes or improvisations in the syllabus at the UG level, as stated above. However, the teachers examine all angles to give the students the widest perspective possible. Teaching is interactive, library-centric and demonstrative, and not just text-based.
 - In case of the UG courses, the syllabus is provided by the affiliating university and implementation along with the enrichment of the curriculum is executed by the college.
 - A large number of faculty members act as members of different Board of Studies and contribute to the curriculum development, enrichment and enhancement from time to time.

1.1.5. How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operation of the curriculum?

UNIVERSITY:

- Most faculty members participate in seminars and workshops conducted by Calcutta University to implement the syllabus.
- Faculty members of the Institute carry out collaborative research projects with faculty members of University. Some faculty members act as co-guides for students pursuing Ph.D. work at the University.
- Faculty members of the college participate as resource persons in various syllabus upgrading and reorientation programmes conducted by the university.

RESEARCH BODY:

- The institution carries out several major and minor research projects sponsored by different research bodies like UGC, DBT, ICAR, etc.

- UGC-sponsored seminars are regularly organized by different departments of the institution.
- Recently the institution has received around Rupees fifty lakhs for setting up a BOOST laboratory for biotechnology-related practical and research work.
- Different institutes of repute including IICB and BOSE INSTITUTE collaborate with the college in research and co-sponsored seminars.
- UGC-sponsored career-oriented courses with affiliation to University and professional bodies also add an extended dimension to the curriculum.
- Students of many departments carry out training programmes in research institutes.

INDUSTRY:

- The college has an active placement cell and several organizations like TCS, Cognizant Technology Solutions, Wipro, ICICI (Prudential) and other companies of repute visit the college regularly for recruitment purposes.
- Job fair by 14 industries was organised in 2012.
- From 2014 the college has initiated the B.Voc. and Community College programmes sponsored by the UGC where the curriculum, Teaching Learning and Counselling, is designed in consultation with the Industry.

1.1.6. What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)

- Many faculty members are selected as members of the Undergraduate Board of Studies of the affiliating university. There are representatives from Botany, Chemistry, Biochemistry and Statistics in the respective Board of Studies of the University.

TABLE 1.1.6. TEACHERS WHO ARE MEMBERS OF BOS

Sl	TEACHER	BOS	UNIVERSITY
1	DR. DIPAK KUMAR KAR	BOTANY	CALCUTTA UNIVERSITY
2	DEBIKA HALDER	STATISTICS	CALCUTTA UNIVERSITY

3	DR. KEYA GHOSH	CHEMISTRY	CALCUTTA UNIVERSITY
4	DR. CHANDRA CHAUDHURI	BIOCHEMISTRY	CALCUTTA UNIVERSITY
5	DR. DHIMAN DUTTA	STATISTICS	CALCUTTA UNIVERSITY

- All the existing PG departments (six in number) have their faculty members serving on the PG Board of Studies of their respective departments.
- The University of Calcutta does not provide much scope to the College other than the induction of faculty members in the BOS to forward suggestions for designing the UG syllabus. However, whenever workshops are held on the UG syllabus the College sends the concerned faculty members with necessary suggestions and inputs.
- Faculty members also take part in meetings and workshops organized for Practical syllabus review.
- Feedback from the students, parents and other concerned stakeholders are communicated to the university authorities occasionally.

1.1.7. Does the institution develop curriculum for any of these courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

- There is little scope under the present system to function outside the purview of the affiliating university in matters concerning the UG syllabus except as stated in 1.1.4.
- The Institution has however used UGC sponsorship to open career-oriented Add-on courses in Industrial Chemistry, Hospital Waste Disposal Management and Travel & Tourism.
- The Institution also conducts UGC-approved B.Voc. courses in Software Development, and Industrial Aquaculture and Fisheries where the curriculum is developed in consultation with Industry.
- New courses introduced are Diploma and Advanced Diploma Courses (Under UGC-approved Community College Scheme) in Mobile Communication & Software Development.
- However, in case of those PG courses which enjoy academic autonomy the curricula are developed with reference to 'Need Assessment'. It must be borne in mind that there are constraints of determinative effect on innovative intentions.

1.1.8. How does the institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Performances in class tests are deliberated upon by the Heads and senior faculty members at the departmental level. Any serious anomalies are addressed in departmental meetings and contact levels are intensified at the class and tutorial levels to address difficulties.
- Performances in the college selection test as well as in mid-term tests are discussed in Staff meetings and results are published on the basis of strict evaluation.
- Parents are intimated about the performance of their wards and necessary steps proposed for improvement are communicated.
- Cases requiring consideration are deliberated upon and attempts are made to ascertain whether implementation of curricula was done adequately or whether strategies have to be revised, or whether a particular student had reception problems.
- Moreover, performances in different University examinations are analysed on a regular basis in meetings with the Heads of the departments, for evaluating the extent to which the college has been able to implement its curriculum. Performance of other colleges under the same University is also analysed to compare the performance of the college.
- Various prizes, medals and awards have been instituted to reward and encourage academic performance of the students.

1.2 ACADEMIC FLEXIBILITY

1.2.1 Specify the goals and objectives give details of the certificate/diploma/skill development courses etc. offered by the institution.

Without compromising its reputation as one of the foremost Kolkata colleges for imparting UG education in basic sciences and humanities, the college is fast gearing itself to meet the changing demands of education. In keeping with its rich academic tradition the College has continued to grow, introducing Management courses, Vocational streams, Diploma courses under the UGC-approved Community College Scheme, UGC-approved Add-on courses, and has also established a Training Centre which offers Certificate and Diploma courses in various subjects.

- We have three **UGC-approved Add-on courses** in
 1. **Travel and Tourism** – The objective of this course is to prepare the students for jobs in the rapidly growing Travel & Tourism sector. The students are provided with an overview of the culture and heritage of India along with training for development of the required management skills.

2. **Hospital Waste Disposal Management** – This course is designed to equip the students with the requisite knowledge, skills and aptitude for placement in the industries, hospitals and NGOs. The aim of this course is to sensitize the learners about healthcare waste and its impact on public health and environment.
 3. **Industrial Chemistry** - This course enables students to apply basic chemical processes in the production of major commercial products used in the society; develop critical skills in appreciating the role of green chemistry for efficient yet sustainable industrial chemical processes with low impact on the environment and human health.
- The college offers two **Diploma and Advanced Diploma courses under UGC-approved Community College Scheme** in
 - a) Mobile Communication
 - b) Software Development
 - Two **UGC-approved B.Voc. courses** in
 - a) Software Development
 - b) Industrial Aquaculture and Fisheries
 - Training in various Governmental, Administrative, Non-Governmental Services entrance examinations including **WBCS, Combined Services, Banking Services, etc.**
 - Training for **NET/SET and School Service Commission conducted examinations.**
 - In the wake of globalization there has been a tremendous dearth of personnel having knowledge in Export-Import management. **Certificate and Diploma courses in Export-Import Management** is also provided by the college.
 - To cater to the increasing demand for qualified personnel in the sphere of safety, health and environment, we have designed a **Diploma course (Advanced) on Industrial Safety Management.**
 - Computer knowledge is a must for everybody in this age. We offer varying need-based courses in **Computer learning under DOEACC.**

TABLE 1.2.1 VOCATIONAL AND ENRICHMENT PROGRAMME INTRODUCED BETWEEN 2010-2015

SL. NO.	COURSE	DEGREE	COORDINATING/ PARTICIPATING DEPARTMENT	YEAR
1.	Software Development	Diploma/Advanced Diploma/B.Voc.	Computer Science, Physics, Electronics, Mathematics, Communicative English, Zoology, Chemistry and Microbiology	2014
2.	Industrial Aquaculture and Fisheries	Diploma/Advanced Diploma/B.Voc.	Zoology, Physics, Electronics, Mathematics, Communicative English, Zoology, Chemistry and Microbiology	2014
3	Mobile Communication	Diploma/ Advanced Diploma under Community College Scheme	Computer Science & Electronics	2014
4	Software Development	Diploma/ Advanced Diploma under Community College Scheme	Computer Science & Electronics	2014
5	Travel & Tourism	Add –On Course	History	2013
6	Industrial Chemistry	Add –On Course	Chemistry & Biochemistry	2013
7	Hospital Waste Disposal Management	Add –On Course	Chemistry, Biochemistry and Environmental Science	2013

1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If “yes”, give details.

The college offers **UGC-approved Add-on courses** to the undergraduate students, apart from the subjects of his/her study as per university curriculum. The course is split up into three segments, such as Certificate, Diploma and Advanced Diploma. Any student, studying B.A. or B.Sc. with any subject combination can opt for such courses, one at a time. This is aimed at making them more suitable for the job market. Above all, this would help the students to obtain ***dual degree*** from the University in the same academic year.

Students can also avail the training programmes at the Training centre for different skills development.



EXHIBITION ORGANISED BY THE TRAVEL & TOURISM ADD-ON COURSE

1.2.3. Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

- **Range of Core/Elective options offered by the university and those opted by the College**

The College provides adequate flexibility to the students for taking different combination of subjects at the under-graduate level to ensure academic excellence in the areas of student choice. Asutosh College is proud to offer the maximum number of subject combinations for the UG students under Calcutta University.

TABLE 1.2.3. UNDER GRADUATE COURSES WITH SUBJECT COMBINATIONS
A1. B.SC. HONOURS/MAJOR/GENERAL COURSES

Course Name	General Subject Combinations (in addition to Honours subject if any)
Biochemistry (Hons.)	Mathematics + Zoology
Botany (Hons.)	Chemistry + Zoology
Chemistry (Hons.)	Mathematics + Physics
Computer Science (Hons.)	Mathematics + (Physics or Statistics)
Economics (Hons.)	Mathematics + (Political Science or Statistics)
Electronics (Hons.)	(Physics or Computer Science) + Mathematics
Environmental Science (Hons.)	Chemistry + (Botany or Zoology)
Geography (Hons.)	Economics + Sociology
Geology (Hons.)	Mathematics + (Chemistry or Physics)
Mathematics (Hons.)	Physics + (Chemistry or Computer Science) or (Computer Science + Statistics)
Microbiology (Hons.)	Botany + Chemistry
Physics (Hons.)	Mathematics + (Chemistry or Computer Science)

Psychology (Hons.)	Economics + Sociology
Statistics (Hons.)	Mathematics + (Computer Science or Economics)
Zoology (Hons.)	Botany + Chemistry
Course Name	General Subject Combinations (in addition to Honours subject if any)
Industrial Fish and Fisheries (Major)	Chemistry + Zoology
B.Sc. (General)	Mathematics + Physics + (Chemistry or Computer Science)
B.Sc. (General)	Geology + Mathematics + (Chemistry or Physics)
B.Sc. (General)	Economics + Mathematics + Statistics
B.Sc. (General)	Economics + Geography + Mathematics
B.Sc. (General)	Botany + Chemistry + Zoology

A2. B.A. HONOURS/MAJOR/GENERAL COURSES

Course Name	General Subject Combinations (in addition to Honours subject if any)
Bengali (Hons.)	(History or Philosophy) + (Sanskrit or Sociology or English)
English (Hons.)	Political Science + (Philosophy or History)

History (Hons.)	Any two of Political Science, Philosophy and Sociology
Journalism and Mass Communication (Hons.)	(English or Bengali) + Political Science
Philosophy (Hons.)	Any two of Political Science, History and (Sociology or English or Sanskrit)
Political Science (Hons.)	(History or Philosophy) + Sociology
Psychology (Hons.)	Sociology + History
Sanskrit (Hons.)	(History or Philosophy) + (Bengali or English)
Sociology (Hons.)	Any two of History, (Political Science or Economics) and English
Communicative English (Major)	English + (Political Science or History)
B.A. (General)	(History or Philosophy) + (Sociology or Bengali or Sanskrit or English) + (Political Science or Economics)

A3. MANAGEMENT COURSES

Bachelor of Business Administration	(Honours)
-------------------------------------	-----------

A4. B.Voc. (UGC-APPROVED) COURSES

Software Development	
Industrial Aquaculture and Fisheries	

A5. POST GRADUATE COURSES

Bengali	M.A.
Environmental Science	M.Sc.
Zoology	M.Sc.
Geography	M.Sc.
Applied Geology	M.Sc.
Computer & Information Science	M.Sc.

A6. POSTGRADUATE COURSES THROUGH DISTANCE MODE EDUCATION CENTRE OF VIDYASAGAR UNIVERSITY

English	M.A. (Distant Mode under Vidyasagar University)
History	M.A. (Distant Mode under Vidyasagar University)
Political Science	M.A.(Distant Mode under Vidyasagar University)

Environmental Science	M.Sc.(Distant Mode under Vidyasagar University)
M.Com	Distant Mode under Vidyasagar University

A7. DIPLOMA AND ADVANCED DIPLOMA COURSES (UNDER UGC-APPROVED COMMUNITY COLLEGE SCHEME)

Software Development
Mobile Communication

A8. ADD-ON COURSES (UGC-APPROVED)

Travel & Tourism
Industrial Chemistry
Hospital Waste Disposal Management

A9. PROFESSIONAL/ TRAINING COURSES

Industrial Safety Management (WBSCTE)
WBCS Examination : Preliminary, Main , Optional Paper
NET(UGC/CSIR) /SET
School Service Commission Examination

Combined Examinations: Clerkship, Staff Selection, Railway, Bank, Miscellaneous

Export -Import Management

Computer Courses

Career-Counselling



COURSE	NUMBER
BSC (HONS& MAJOR)	16
BA (HONS& MAJOR)	8
TOTAL (HONS)	24
BSC (GEN)	7
BA (GEN)	16
TOTAL (GEN)	23

BBA	1
BVOC	2
COMMUNITY COLLEGE	2
PG (REGULAR)	6
PG (CORRESPONDENCE)	5
ADD ON	3
TRAINING PROGRAMME	8

- **Choice- based credit system and range of subject options**

Choice-based credit system is yet to be introduced by the University of Calcutta. However, courses under B.Voc. and Community College do offer choice-based credit system.

- **Courses offered in modular form**

At the Undergraduate level the University has recommended annual evaluation. But the Postgraduate courses are all in modular form in semester system of evaluation.

However, many departments, during preparation of their academic calendar divide the syllabus into units or modules with well-defined timeframe with class tests at the end of each module, for the smooth completion of the syllabus.

- **Credit transfer and accumulation facility**

Credit transfer or accumulation of credit facility is yet to be introduced under the norms of Calcutta University.

- **Lateral and vertical mobility within and across programmes and courses**

This is yet to be introduced under the existing norms for the colleges affiliated to the University of Calcutta. However, the college has introduced UGC-approved Add-on courses for the students pursuing undergraduate studies to provide modules for soft skills development and employment opportunities. Multi-entry and multi-exit system do exist for B.Voc programmes as well as in Community college scheme.

- **Enrichment courses**

➤ The College takes initiative in organizing seminars, extension lectures, panel discussions and workshops and invites eminent academicians and experts encouraging students to attend and

take part in interactive discussions. Accordingly, the departments arrange such academic events with financial assistance from the UGC and other funding agencies along with institutional support at regular intervals for the enrichment of students and teachers.

- Extension lectures by renowned faculty of other institutes are arranged by the departments.
- UGC-sponsored free remedial coaching is conducted for SC/ST/OBC/Minority students in each department.
- UGC-sponsored free coaching is arranged for SC/ST/OBC/Minority students for WBCS, SSC, NET and SET examinations.
- UGC-approved add-on courses in Travel & Tourism, Industrial Chemistry and Hospital Waste disposal management are available free of cost for all the students pursuing undergraduate courses in the college to equip them professionally and make them capable of facing the competitive job market effectively.
- Career-counselling is available for the students at the Asutosh College Training Centre.
- A BOOST laboratory, sponsored by DBT West Bengal is being established.
- A Psychotherapy unit functions in the Psychology department to help the students overcome academic and personal stress-related mental problems through proper counselling.

1.2.4 Does the institution offer self-financed programmes? If “yes”, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Asutosh College has launched a number of self-financing courses as an attempt to make higher education more effective. These courses include Biochemistry (Hons.), Computer Science (Hons.), Electronics (Hons.), Environmental Science (Hons.), Microbiology (Hons.), Psychology (Hons.), Journalism and Mass Communication (Hons.), Industrial Fish and Fisheries (Major), Communicative English (Major). There is also a self-financing management course, namely, B.B.A. (Hons.). The goal is to equip students with some practical skills and knowledge and prepare them for the job market. Job-orientation is an important factor in the self-financing courses. The college has also introduced Postgraduate courses in the self-financing mode.

SELF-FINANCED UNDERGRADUATE COURSES:

ADMISSION: The admission mechanism is identical with other UG programmes of the college, based on results of the previous board exams.

CURRICULUM: The College implements the curricula set by the University of Calcutta in all UG self-financed courses; hence, there is little scope for addition, alteration and modification of the curriculum. However, most, if not all, departments arrange for extension lectures and lectures by eminent scholars to keep the students updated.

FEE STRUCTURE: Fees Structure is slightly stiff but not too high. However, instalment facilities are available for needy students. The college also ensures no meritorious student drops out of a course due to financial constraints.

TEACHER QUALIFICATION: To run the self-financed courses, services of a good number of the regular and permanent faculty members are utilized. Apart from that, eminent scholars and Guest Faculties are also involved, according to the requirement of the syllabus. Selection of teachers is as per norms of the UGC.

SALARY: Salary structure is according to the rules of the State Government for Guest Teachers, Full Time Teachers and Part Time teachers.

SELF-FINANCED POSTGRADUATE COURSES:

ADMISSION: Admission procedure is conducted according to 60:40 ratio, with 60% seats being filled up from the merit list of CU candidates through direct admission. The remaining 40% seats are open for all universities and filled up on the basis of results in the Entrance tests conducted by the respective departments. Reservation of seats for SC/ST/OBC (A & B) is as per Govt. rules.

CURRICULUM: The Postgraduate departments enjoy partial autonomy with regard to curriculum designing. The BOS of each postgraduate department comprising departmental faculty, some senior faculty from other departments of the college, and external experts from other universities/ institutes, frames the syllabus which is then sent for approval by Calcutta University and the UGC.

FEES STRUCTURE: Fees Structure is slightly stiff but not too high. However, instalment facilities are available for needy students. The college also ensures no meritorious student drops out of a course due to lack of finance.

TEACHER QUALIFICATION: To run the self-financed postgraduate courses, services of a good number of the regular and permanent faculty members are utilized. Apart from that, eminent scholars and senior Guest Faculties are also involved, according to the requirement of the syllabus. Extension lectures are also arranged periodically. Selection of teachers is as per norms of the UGC.

SALARY: Salary structure is as per the rules of the State Government for Guest Teachers, Full Time Teachers and Part Time teachers.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If “yes” provide details of such programme and the beneficiaries.

- UGC-approved Add-on courses in Travel & Tourism, Hospital Waste Disposal Management and Industrial Chemistry are available free of cost for all students pursuing undergraduate studies in the college. The aim of these courses is to equip the students for regional as well as global employment markets.
- UGC-approved B.Voc. courses are tailor-made for job and industry need-based training to train the students for their future employment.
- UGC-approved Community College Scheme are tailor-made for job and industry need-based training to train the students for their future employment.
- The College has an active Placement Cell to provide employment opportunities to every willing student on completion of his/her academic curriculum.
- UGC-sponsored remedial free coaching for SC/ST/OBC/ Minority students has been arranged for WBCS, SSC, NET & SET examinations.
- The Asutosh College Training Centre (ACTC) was developed in the Platinum Jubilee year of the College (1991) to equip students for job-screening examinations. We also conduct Certificate courses in Export-Import Diploma course in Safety Engineering, courses for Soft Skills Development and Computer training courses. Career counselling is also available.

TABLE 1.2.5A. STUDENT ENROLLED AND BENEFITTED FROM SKILL ORIENTED PROGRAMME

	COURSE	2014		2013		2012		2011	
		ENR	QLF	ENR	QLF	ENR	QLF	ENR	QLF
1	NET/SET	70	18	73	14	80	19	122	27
2	WBCS/COMBINED EXAM	36	10	41	11	43	09	51	12
3	SSC	38	09	38	08	47	09	55	10
4	EXPORT IMPORT	13	12	09	09	11	11	12	12
		ENR	IN JB	ENR	IN JB	ENR	IN JB	ENR	IN JB
5	COMPUTER COURSES (A LEVEL)	23	20	21	20	28	20	40	30
6	COMPUTER COURSES (O LEVEL)	28	18	31	26	43	40	47	40

ENR: ENROLLED QLF: QUALIFIED IN JB: APPOINTED IN JOBS

	NET/SET	WBCS/ COMBND EXAM	SSC	EXPORT IMPORT	COMP COURSES (A LVL)	COMP COURSES (O LVL)
ENRLD	345	171	178	45	112	149
QLFD/	78	42	36	44	90	124
	23%	24.5%	20%	98%	80%	83.2%

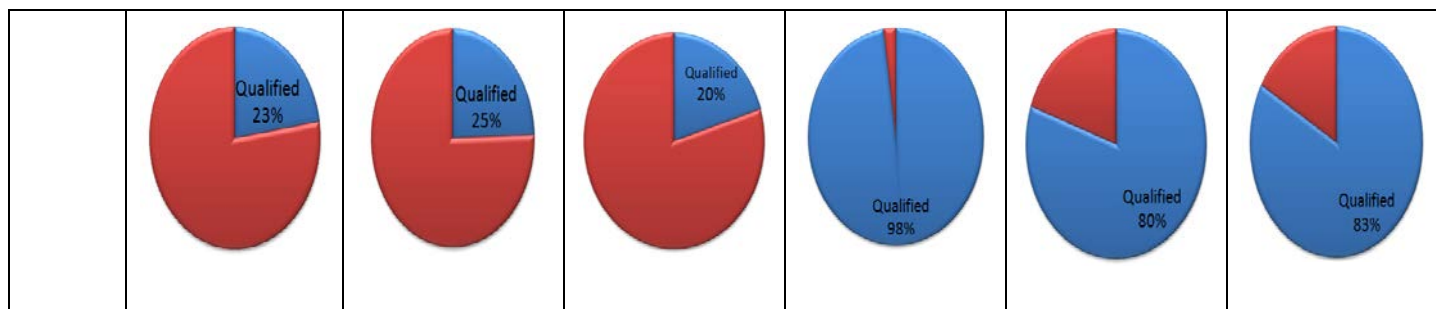


TABLE 1.2.5B. PERCENTAGE OF STUDENTS BENEFITED FROM SKILL ORIENTED PROGRAMMES (AVERAGE OF 4 YEARS)

Apart from the above courses, Add-on Courses, BVOC Courses and Courses under Community College Scheme has been recently introduced and the results of the first batch of such skill based programmes is awaited.

- 1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/ combination of their choice? If “yes”, how does the institution take advantage of such provision for the benefit of students?

As of now, Calcutta University to which the college is affiliated, has kept separate the conventional face-to-face regular mode of classroom teaching from the distance mode of teaching. Teaching in the institution is, therefore, conducted through regular classes, held according to a central routine and is learner-centric. There is no provision for combining this system with distance modes of education. However, various academic and professional training courses offered by the College, as well as Add-on courses as a parallel curriculum help the students in skills development and academic mobility.

1.3 CURRICULUM ENRICHMENT

- 1.3.1. Describe the efforts made by the institution to supplement the university’s curriculum to ensure that the academic programmes and Institutions goals and objectives are integrated?

Asutosh College has always to play an effective role to ensure that the academic programmes and institutional goals are integrated:

- Students are provided with well-equipped libraries, and classroom teaching is followed up with interactive sessions, particularly with the weaker students. Seminars, extension lectures, remedial and tutorial classes provide additional academic support to the teaching-learning process.

- P.G. departments conduct admission tests for the entry of the students. These departments regularly arrange lectures by experienced guest faculties from other institutions.
- The institution promotes an inclusive approach towards all students, irrespective of their circumstances.
- The Add-on programmes offered to the students provide modules for soft skills development.
- B.Voc. and Community College programmes train students following the curricula developed by the institution in accordance with the needs of Industry.
- The students are also given training in entrepreneurial skills through the inclusion of subjects like Microbiology, Biochemistry, Electronics, etc., which include information and training in advanced technology.
- The institution contributes to nation-building through Service Units like NCC and NSS which organize different social welfare programmes like health camps and blood donation drives.
- The institution conducts programmes to train students for competitive examinations like WBCS, NET/SET, and computer training for students, to equip them for the job market.
- The Placement cell works in tandem with the different training programmes for the placement of students.

1.3.2. What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

- India is the 10th largest fish-producing country of the world, and consequently, a large number of ancillary industries have been developed in different parts of the country. Keeping this in mind the college has introduced the course Industrial Fish and Fisheries (Major). Most of the students of Industrial Fish and Fisheries (Major) get jobs in different industries related with fish and fisheries.
- The college has also introduced Communicative English (Major) keeping in mind the needs of the employment market.
- To provide students with the future career opportunities the college has introduced UGC-sponsored Add-on courses for them in the following areas:
 - a) Industrial Chemistry
 - b) Travel and Tourism
 - c) Hospital-waste Disposal Management.
- In the session 2014-15, the college was given approval by the UGC to introduce the concept of Community College and B.Voc. courses in order to meet the current needs of the market. Accordingly, our college has introduced the following subjects under the Community College and B.Voc. Programmes in the year 2014:
 - a) Software Development
 - b) Industrial Aquaculture and Fisheries
 - c) Mobile Communication.

- 1.3.3. Enumerate the efforts made by the institution to integrate the crosscutting issues such as gender, climate change, environmental education, human rights, ICT etc. into the curriculum?

Asutosh College continues to make sincere efforts to integrate the issues of gender, climate change, environmental education, human rights, ICT, etc., into the curriculum.

1. GENDER ISSUES: Gender issue is an integral part of the Sociology syllabus at the UG level and the department conducts field surveys as well. It also deals with in the syllabuses of Philosophy, Political Science, English, History, and Sociology. Gender sensitisation programme is being organised by NSS unit.

2. HUMAN RIGHTS: The Political Science and Philosophy syllabus include the issue of Human Rights giving students wide exposure to the same through seminars, extension lectures and programmes like MOCK PARLIAMENT. The students of Sociology (Hons.) conduct field surveys (which are a part of their course curriculum) on human rights, and submit project reports on the same.

3. CLIMATE CHANGE & ENVIRONMENTAL EDUCATION: Environmental Education is compulsory for all UG students. It is part of the UG curriculum and the students have to participate in fieldworks and submit a project report based on data collected during the same. The NSS unit of our college also keeps the students aware of the bad effects of plastic on the environment and motivates the students and staff to keep the campuses plastic-free. In addition, in the PG Curriculum of laboratory-based subjects, some practical classes have been introduced in relation to the measurement and control of environmental pollutants. The Eco-Club of the Environmental Science department carries out programmes to sensitise the students on environmental issues like climate change, pollution, conservation, etc. Our latest attempt is to make the second campus a green campus.

4. ICT: ICT-based technology is regularly used by most of the science departments and by departments like Journalism and Mass Communication. Humanities departments also utilize this technology during special lectures including extension, workshops and seminars. All the departments have been provided with a laptop, printer and scanner. Internet facilities with Wifi connection is available in the Campus, Smart classrooms have been constructed in the Centenary building. Internet facility is available in the entire college premises. The Geography department regularly employs remote sensing, satellite imaging and GPS technology as prescribed in the syllabus.

1.3.4. What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

Asutosh College has several units to impart value-added courses and enrichment programmes to ensure holistic development of students.

1. ASUTOSH COLLEGE TRAINING CENTRE (ACTC):

The Asutosh College Training Centre, a six-storied building, situated on the adjacent Basanta Bose Road, was established in the Platinum Jubilee Year of the College (1991) to equip students for job-screening examinations like NET, SLET, WBCS, SSC, etc. Certificate courses in Export and Import Management and Advanced Diploma course in Industrial Safety Management are conducted here. There is also a Computer Training Centre housed in this building. The ACTC undertakes the responsibility of equipping the students and make them capable of facing the competitive job market effectively.

TABLE 1.3.4: VALUE -ADDED COURSES IN THE ACTC BUILDING

SL	COURSES OFFERED
1	Industrial Safety Management (WBSCTE)
2	WBCS Examination : Preliminary, Main , Optional Paper
3	NET(UGC/CSIR) , SET
4	School Service Commission Examination
5	Combined Services Examinations: Clerkship, Staff Selection, Railway, Bank, Miscellaneous
6	Export-Import Management
7	Computer Courses
8	Career Counselling

2. UGC-APPROVED ADD-ON COURSES:

UGC-approved and sponsored Add-on courses in Travel & Tourism, Hospital Waste Disposal Management and Industrial Chemistry are available free of cost for all students pursuing undergraduate studies in the College. Participation in these courses equips the students with the required skills and expertise and gives them greater job options.

3. UGC-SPONSORED B.VOC. COURSES:

The college has introduced B. Voc courses in Industrial Aquaculture & Fisheries and Software Development with industrial backup in designing the syllabus, teaching learning, workshop training and placement.

4. UGC-SPONSORED COMMUNITY COLLEGE SCHEME:

Asutosh College is one of the few colleges to have been sponsored by the UGC to initiate Community College scheme in Mobile Communication and Software Development. The syllabi for these courses have been developed in consultation with associated industry and are need-based and job-oriented.

5. PLACEMENT CELL AND JOB FAIR:

The college has an active Placement Cell to provide employment opportunities to willing students on completion of their academic curriculum. The cell organizes Career Fairs where a number of companies participate and students get necessary exposure to a wide range of companies for being recruited.

Some departments also organize workshops in collaboration with companies/ organizations to sensitize students regarding the job market.

6. ENRICHMENT AS PART OF THE CURRICULUM:

- The issue of human values is a part of the syllabus in the subjects like Philosophy, Sociology and Political Science. The Humanities departments take care of these issues in their classroom teaching regularly. They also arrange seminars and special lectures on the same.
- The Communicative English course ensures the acquisition of English language skills for employment.
- In order to integrate academics with social responsibility the college has its National Service Scheme(NSS) and National Cadet Corps(NCC) units. These units take sufficient care of the students for their community orientation and sensitize them about their social responsibilities.
- Facilities of Students Health Home are available to the students.

7. DBT-SPONSORED BOOST II PROGRAMME

The institution has recently received a grant from the Department of Biotechnology, Govt. Of West Bengal, for establishing a BOOST laboratory equipped with latest instruments for training and enrichment of students of Biochemistry, Botany, Microbiology, Environmental Sciences and Zoology. This laboratory will also be used in the near future for organizing Workshops and Training Programmes for Life Science students and to carry out interdisciplinary research.

1.3.5 Citing a few examples, enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

- As the college follows the curriculum designed by the affiliating University, there is little scope of formal feedback system for stakeholders for specifically enriching the curriculum.
- The students are always encouraged to interact with the teachers outside the classroom. Need-based classes, re-teaching of difficult topics, use of ICT aids and audio-visual tools in class are also practised when requested by the students.
- Feedback forms for students, parents and alumni are distributed in class and can be downloaded from the college website. This feedback is critically reviewed and necessary actions are taken.
- Class representatives of students union regularly interact with the teachers and the college administration to convey the students' demands. Critical opinions are always invited from the students and such opinions are always considered.
- The college has a Disciplinary Committee, Anti-Ragging Committee and the Committee against sexual harassment of women. These committees respond to any complaint registered with them.
- The college has a Psychotherapy Unit which gives free treatment in the form of counselling to students to help them overcome personal and academic stress.
- Critical inputs are welcomed from the students union and administration always co-operates in ensuring discipline.

1.3.6. How does the institution monitor and evaluate the quality of its enrichment programmes?

- The Governing Body is vigilant on the various enrichment programmes, and ensures proper infrastructure development and support for maintaining a peaceful and ambient academic atmosphere in the institution.
- Heads of the departments and the faculty take care of the academic issues, monitor the academic progress, ensure the timely completion of the syllabus, give necessary support to outstanding as well as weaker students, and also check the regularity of student attendance and participation in class.

- IQAC takes active role in the monitoring the quality of institutional enrichment programme.
- The college has a Placement Cell which arranges campus interviews for the students with reputed organizations like TCS, Cognizant Technology Solutions, Wipro, ICICI (Prudential), etc., and the success rate of placement is encouraging.
- The activities of the NSS and NCC units and programmes like observing *Bhasa Shahid Dibash*, celebrating *Saraswati Puja*, organizing Blood donation and health awareness camps, etc., help in enriching the students socially, culturally and morally.

1.4. FEEDBACK SYSTEM

1.4.1. What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- The college is affiliated to the University of Calcutta that has yet to allow academic autonomy to the colleges under it. However, the PG departments enjoy some degree of autonomy in the design and development of their curriculum.
- The college teachers participate in the development of curriculum to some extent through the faculty members who are members of the Board of Studies of the University of Calcutta.
- A good number of teachers of this institution, who are members of the Board of Studies in the University, play a very active role in framing the syllabi of the UG courses of the University. Opinions regarding the curriculum received in feedback from different stakeholders are communicated to the university through these Board of Studies members.
- The teachers actively participate in the workshops organized by the University for development of the curriculum. The institution also contributes by holding workshops on syllabus revision, examinations re-orientation, etc.

1.4.2. Is there a formal mechanism to obtain feedback from students and stakeholders on curriculum?

- Most of the departments of this institution have recently introduced a system of obtaining feedback from all kinds of stakeholders.
- Feedback from Parents/Guardians is received during Parent-teacher meetings and parents are encouraged to meet teachers to discuss student progress as and when required.
- Feedback forms for students are distributed from the departments as well as uploaded in the college website. The feedback forms are collected by the departments and necessary steps taken after discussion in the Departmental Meetings. The Class Representatives also remain in close contact with the department and communicate the feedback from the students.
- Feedback regarding curriculum is discussed and sometimes communicated to the University through the institutional Head and Board of Studies Members. Feedback regarding academic

and developments issues is discussed in Academic Council, Teachers' Council and IQAC meeting and necessary steps taken.

1.4.3. How many new Programmes/Courses were introduced by the institution during the last four years?

During the last four years a number of courses have been introduced keeping in mind the vision and mission of the institute as well as social needs. Along with conventional Undergraduate courses, Postgraduate courses as well as Diploma and Advanced Diploma courses under Community College Scheme and B.Voc courses have been introduced. It may be mentioned that Asutosh College is one of the very few colleges where the Community College and B.Voc. courses have been approved and successfully initiated in West Bengal.

TABLE 1.4.3 NEW COURSES INTRODUCED (2009-2014)

SL NO.	COURSE/SUBJECT	COORDINATING DEPARTMENT	YEAR
1	GEOGRAPHY (PG)	GEOGRAPHY	2009
2	ZOOLOGY (PG)	ZOOLOGY	2009
3	BENGALI (PG)	BENGALI	2011
4	B.Sc. (HONS) in ENV SC	ENVIRONMENTAL SC	2011
5	ENGLISH (PG)(DIST.)	ENGLISH	2012
6	HISTORY (PG)(DIST.)	HISTORY	2012
7	POLITICAL SCIENCE (PG)(DIST.)	POLITICAL SCIENCE	2012
8	ENVIRONMENTAL SCIENCE (PG)(DIST.)	ENVIRONMENTAL SCIENCE	2012
9	TRAVEL & TOURISM (ADD-ON)	HISTORY	2013
10	INDUSTRIAL CHEMISTRY (ADD-ON)	CHEMISTRY	2013
11	HOSPITAL WASTE DISPOSAL MANAGEMENT (ADD-ON)	CHEMISTRY	2013
12	APPLIED GEOLOGY (PG)	GEOLOGY	2014
13	COMPUTER & INFORMATION SCIENCE (PG)	COMPUTER SCIENCE	2014
14	SOFTWARE DEVELOPMENT (B.VOC)	COMPUTER SC & ELECTRONICS	2014
15	INDUSTRIAL AQUACULTURE & FISHERIES (B.VOC)	ZOOLOGY	2014

ASUTOSH COLLEGE SSR 2015

16	MOBILE COMMUNICATION (COMM CLG)	COMPUTER SCIENCE	2014
17	SOFTWARE DEVELOPMENT (COMM CLG)	COMPUTER SCIENCE	2014
18.	MCOM (PG) (DIST)	ECONOMICS	2015

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 STUDENT ENROLMENT AND PROFILE

2.1.1 How does the college ensure publicity and transparency in the admission process?

A. PUBLICITY OF ADMISSION PROCESS:

Asutosh College ensures publicity in the admission process by notification of admission by:

a) **INSTITUTIONAL WEBSITE:** Notice regarding admission is circulated through the college website <http://www.asutoshcollege.in>, which has been indigenously **developed and is maintained by the IT section and Computer Science Department of the college**. Information regarding admission rules, eligibility criteria, Government policy, University norms, date of issue of forms, date of submission of forms, date of counselling, and date of publication of merit list are all available on the above website. The entire merit list, including the names of students, admission form number and details of the marks along with rank and category are all uploaded onto the website. The periodic updates of the status of admission are also promoted through the website.

b) **PROSPECTUS:** During the process of admission students are provided with college prospectus in which information about the college including the choice of subjects according to University rules, admission fees, registration to the University are detailed. Detailed information regarding the location of the college, its infrastructure, working hours, teaching and non-teaching staff, extra- and co-curricular activities, prizes and awards, and other special activities undertaken like career counselling, psychological counselling, training courses at ACTC building, etc. are also contained in the prospectus. An online version of prospectus is also available on the college website.

c) **NOTICE BOARD:** The admission notice is displayed on the college notice board well before the publication of the final Board examination (HS) results. Posters containing information on courses offered are put up on main campus, ACTC building, Centenary building and second campus as well.

B. TRANSPARENCY OF ADMISSION PROCESS:

The college ensures transparency in the admission procedure through the following:

B1. ADMISSION TO UNDERGRADUATE COURSES:

- a) **ONLINE ADMISSION:** a completely on-line process is followed to ensure transparency. The software for online admission has been indigenously developed by the IT section and Computer Science Departments of the college itself instead of an outside agency. The submission of forms, preparation of merit list and printing of admission forms all can be done online.
- b) **ADMISSION COMMITTEE:** The College has a committee consisting of the Principal, Teachers' representatives in the Governing Body, senior teachers, all heads of the Departments, Non-teaching staff representatives and a representative of the Students' Union to conduct the entire admission process. The eligibility criteria for admission, the total number of seats available for each subject, breakup of seats for reserved categories, credit formulae regarding preparation of merit list and dates of merit list publication and admission are all discussed and finalised in the meeting and circulated in the website and Notice boards.
- c) **ONLINE PUBLICATION OF MERIT LIST:** To ensure transparency the college publishes on its website the entire merit list including the names of students, rank, the credit formulae used to calculate the rank, the marks of all students, respective boards from which the students appeared in the class XII examinations and the roll number of the student in the same. This allows all applicants to cross check the database and justify his/her rank, thus avoiding any malpractice during preparation of merit list. The college arranges for a helpdesk for enquiry and grievance redressal. The helpdesk phone number and email ID are provided for students' queries regarding merit list.
- d) **ISSUE OF ADMISSION FORM:** The dates of admission are strictly adhered to. To ensure that only students from a particular merit list are eligible to get admission on the pre-mentioned dates, the software is programmed such that no student outside the current merit list can obtain a printout of the admission form.
- e) **VERIFICATION OF ADMISSION FORMS:** The issued admission forms are checked for marks, year of passing, eligible subject combination, credit formulae calculation, reservation category, etc, at least thrice, by the respective HOD, at the verification counter and before the admit order is given. This ensures no student can get admission by entering wrong data during online submission of forms.

- f) **MAINTENANCE OF RESERVATION POLICY:** The College adheres to the rules and regulations formulated by the government and the University statute for Aided and Affiliated Colleges. The institution also follows the guidelines regarding reservations for the backward classes unflinching (SC – 22%, ST – 6%, OBC-A – 10%, OBC-B – 7%, PH – 3%).
- g) **COUNSELLING:** Seats which are not filled up, are open to waiting list candidates, who generally appear for counselling on pre-notified dates. In these counselling sessions, students are selected on merit and not on first-come-first-served basis, to ensure transparency and the best possible students are selected.

B2. ADMISSION TO POSTGRADUATE COURSES:

The main criterion for admission to PG courses is the percentage of marks obtained in the Honours subject or relevant subject, at the qualifying degree examinations. From the session 2012-13, the West Bengal State Council of Higher Education issued a directive for PG admission on 60:40 ratio, where 60% of the admission is reserved for applicants from the affiliating (Home) University directly on merit basis and the rest 40% of seats open to students of all other universities through an entrance test along with due weightage given to their graduation degree examination marks. The directive has fixed a minimum eligibility for admission to PG programmes with usual relaxations for students from backward categories.

The following steps are taken in addition to those of UG admission:

1. Advertisements regarding admission to PG courses are placed in all leading newspapers as well as the College Website, College Notice Board.
2. Applications for admission are received online.
3. OMR answer scripts are used during entrance examination to ensure transparency.
4. The PG faculty members invigilate during the examination.
5. Use of scanner for examination of OMR answer-scripts to maintain the transparency of the examination.

TABLE 2.1.1A: ADMISSION TO POST GRADUATE COURSES:

Sl.	Department	Mode of Publicity	Date of Entrance Exam. (Approx.)
1.	Geography	College Website, College Notice Board & Advertisement in leading newspapers	3 rd -4 th week of August
2.	Zoology		
3.	Bengali		
4.	Environmental Sciences		
5.	Computer Information Science		
6.	Applied Geology		

B3. ADMISSION IN B. VOC. / COMMUNITY COLLEGE

TABLE 2.1.1B: ADMISSION TO B.VOC COURSES

Discipline	Subject	Mode of Publicity
B.Voc	Software Development	College Website, College Notice Board
B.Voc	Industrial Aquaculture and Fisheries	College Website, College Notice Board
COMM CLG	Mobile Communication (Diploma)	College Website, College Notice Board
COMM CLG	Software Development (Diploma)	College Website, College Notice Board

All other procedures are similar to the UG admission procedure

B4. ADMISSION TO ADD-ON COURSES:

Notification in the college website, college Notice Board, Students' Notice Board, information to each Departmental Head for circulation in their Departmental Notice Board, Students' Union Notice Board. Students of Honours and General Degree courses of the College are eligible for admission to the UGC-sponsored career-oriented Certificate courses in Industrial Chemistry, Hospital Waste Disposal Management, and Travel and Tourism. Students who have completed Certificate course in Travel and Tourism are eligible for admission in the Diploma Course of Travel and Tourism. The admission procedure is based on results of 10+2 examinations.

B5. ADMISSION IN PG COURSES THROUGH DISTANCE EDUCATION:

Students are admitted following the criteria as formulated by Vidyasagar University.

2.1.2 Explain in detail the criteria adopted and process of admission [Eg. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other] to various programmes of the Institution.

CRITERIA ADOPTED AND PROCESS OF ADMISSION:

i) UG Admissions: The admission process is carried out keeping in mind principles of justice, equality and inclusiveness by adhering to the Government and University norms. The percentage-wise (including reservation) allocation of seats is shown in Table 2.1.2.A. The allocation of seats adheres strictly to the guidelines laid down by the State as well as Central Governments.

TABLE 2.1.2.1A. ALLOCATION OF SEATS IN DIFFERENT DEPARTMENTS

Sl.	Name of Department	No. of Seats
1.	Bengali (Hons.)	62
2.	English (Hons.)	83
3.	History (Hons.)	62
4.	Journalism & Mass Communication (Hons.)	42
5.	Philosophy (Hons.)	62
6.	Political Science (Hons.)	62
7.	Psychology (Hons.) (ARTS)	21
8.	Sanskrit (Hons.)	52
9.	Sociology (Hons.)	42
10.	Communicative English (Major)	52
11.	Bio-Chemistry (Hons.)	42
12.	Botany (Hons.)	52
13.	Chemistry (Hons.)	103
14.	Computer Sc. (Hons.)	72
15.	Economics (Hons.)	62
16.	Electronics (Hons.)	42
17.	Environmental Science (Hons.)	42
18.	Geography (Hons.)	83
19.	Geology (Hons.)	42
20.	Mathematics (Hons.)	103
21.	Microbiology (Hons.)	42
22.	Physics (Hons.)	103
23.	Psychology (Hons.) SCIENCE	32
24.	Statistics (Hons.)	62
25.	Zoology (Hons.)	62
26.	Industrial Fish and Fisheries (Major)	52
27.	B.A. (General)	258
28.	B.Sc. (General)	258
29.	BBA (Hons.)	51
30.	Software Development (B.VOC.)	50
31.	Industrial Aquaculture and Fisheries (B.VOC.)	50
32.	Mobile Communication (Diploma)	50
33.	Software Development (Diploma)	50

ASUTOSH COLLEGE SSR 2015

- The admission is solely made on the basis of merit / marks obtained in the last examination i.e. class XII school leaving examination, except in BBA where a Group Discussion and Personal Interview (GDPI) are also included along with marks.
- Each department preserves unique index and list of admissible students based on it. Table 2.1.2.2 shows the index factor of individual department.

TABLE 2.1.2.B. INDEX FACTOR OF DEPARTMENTS (2015-16)

Sl.	Name of Department	Index Factor
1.	Bengali (Hons.)	Top four subjects + Bengali*2.
2.	English (Hons.)	Top four subjects + English*2.
3.	History (Hons.)	Top four subjects + Avg. of two languages + History (Passed with History) Or Top four subjects + Avg. of two languages*2 (Passed without History)
4.	Journalism & Mass Communication (Hons.)	Top four subjects + (Sum of two Language).
5.	Philosophy (Hons.)	Top four subjects + Philosophy*2 (Passed with Philosophy) Or Top four subjects + Sum of two Languages (Passed without Philosophy).
6.	Political Science (Hons.)	Top four subjects + Pol Sc.*2 (Passed with Pol Sc.) Or Top four subjects + English*2 (Passed without Pol Sc.).
7.	Psychology (Hons.) (ARTS)	Top four subjects + 10% of English + 10% of Psychology.
8.	Sanskrit (Hons.)	Top four subjects + Sanskrit*2 (Passed with Sanskrit) Or Top four subjects +Sum of two Languages (Passed without Sanskrit)
9.	Sociology (Hons.)	Top four subjects + English*2 + 10% of Sociology.
10.	Communicative English (Major)	Top four subjects + English*2.
11.	Bio-Chemistry (Hons.)	Top four subjects+ Chemistry*2
12.	Botany (Hons.)	Top four subjects+Biology*2.
13.	Chemistry (Hons.)	Top four subjects+ Chemistry*2.
14.	Computer Sc. (Hons.)	Top four subjects + Math*2 + Physics*2 + 10% of Computer Science.
15.	Economics (Hons.)	Top four subjects +Math*2 + English+Economics(bonus 5 marks).
16.	Electronics (Hons.)	2*(Physics+Math) + Top four subjects.
17.	Environmental Science (Hons.)	Top Four + Chemistry*2 + Biology*2.
18.	Geography (Hons.)	Top four subjects + 2*(Geography + English)

19.	Geology (Hons.)	Top four subjects + Math*2.
20.	Mathematics (Hons.)	Top four subjects + Math*2.
21.	Microbiology (Hons.)	Top four subjects + Biology*2 + Chemistry*2.
22.	Physics (Hons.)	2*Physics + 2*Math + Top four subjects.
23.	Psychology (Hons.) SCIENCE	Top four subjects + 10% English + 10% Psychology.
24.	Statistics (Hons.)	Top four subjects + 2*Math + English.
25.	Zoology (Hons.)	Physics + Chemistry + 2*Biology + Top four subjects.
26.	Industrial Fish and Fisheries (Major)	Top four subjects + Biology*2.
27.	B.A (General)	Top four subjects.
28.	B.Sc (General)	Top four subjects.
29.	BBA (Hons.)	English + Top four subjects + 10% of Maths.

ii) PG Admissions: From the session 2012-13, the West Bengal State Council of Higher Education issued a directive for PG admission on 60:40 ratio, where 60% admission from Home University directly on merit basis and rest 40% is open to all universities through an entrance test along with due weightage to their university marks.

1. The Postgraduate Admission Committee prepares the admission schedule along with the date of Examination and setting of Question papers.
2. Applications for admission are received and submitted online.
3. OMR answer scripts are used during examination to ensure transparency.
4. The PG faculty members invigilate during the examination and use of scanner for examination of OMR answer scripts is used to maintain the transparency of the exam.
5. Each PG department prepares the list of students strictly according to merit points (with giving due weightage to university results and scores of admission test in 60: 40 ratio) and it is displayed on the public notice board and website.
6. Two separate lists are prepared i) one for the Home University Students ii) another for other University Students.
7. Observance and maintenance of reservation policy according to Govt. of West Bengal are maintained for both the categories separately.

All other procedures are similar to UG admission procedure.

TABLE 2.1.2.C. NO. OF SEATS FOR PG (2015-16)

Sl.	Department	Minimum Qualification	Seats	Index
1.	Computer and Information Science (M.Sc.)	50% marks in the respective Honours subject at B.Sc.	22	60% seats based on Hons. marks & 40% seats based on Entrance exam marks
2.	Applied Geology (M.Sc.)	50% marks in the respective Honours subject at B.Sc.	22	60% seats based on Hons marks & 40% seats based on Entrance exam marks
3.	Geography (M.Sc.)	50% marks in the respective Honours subject at B.Sc./B.A.	27	60% seats based on Hons marks & 40% seats based on Entrance exam marks
4.	Zoology (M.Sc.)	50% marks in the respective Honours subject at B.Sc.	27	60% seats based on Hons marks & 40% seats based on Entrance exam marks
5.	Environmental Science (M.Sc.)	Qualified with Honours in Environmental Science as well as from any science stream with Chemistry/ Biochemistry at undergraduate level are eligible for Environmental Science.	28	All seats based on (Hons Marks/2)+(Entrance Exam Marks/2)
6.	Bengali (M.A.)	50% marks in the respective Honours subject at B.A.	55	60% seats based on Hons marks & 40% seats based on Entrance examination marks

In addition to regular courses, the college conducts the following courses, some of which are UGC recognized, and the criteria of admission for the courses are as follows:

Table 2.1.2.4 D. NO OF SEATS FOR B .VOC. COURSES (2015-16)

Course	Minimum Qualification	No. of Seats
Software Development (B.Voc.)	i)Aggregate of Top Four Subjects: 45% ii) Passed in English (Full Marks 100) iii)Passed in Mathematics iv)Passed in Physics/Computer Sc./ Computer Application /Statistics (in 10+2 or Equivalent)	50
Industrial Aquaculture and Fisheries (B.Voc.)	i) Aggregate of Top Four Subjects: 45% ii) Passed in English (Full Marks 100) iii) Passed in Mathematics iv) Passed in Physics/Computer Sc./ Computer Application/Statistics v)Passed in Chemistry vi) Passed in Biology/Biological Science /Biotechnology/Micro-biology / Agriculture / Pisciculture/ Horticulture (in 10+2 or Equivalent)	50

Table 2.1.2.4 E. NUMBER OF SEATS FOR COMMUNITY COLLEGE (2015-16)

Course	Minimum Qualification	No. of Seats
Mobile Communication (Diploma)	i)Aggregate of Top Four Subjects: 45% ii) Passed in English (Full Marks 100) iii)Passed in Mathematics iv)Passed in Physics/Computer Sc./ Computer Application/Statistics (in 10+2 or Equivalent)	50
Software Development (Diploma)	i)Aggregate of Top Four Subjects: 45% ii) Passed in English (Full Marks 100) iii)Passed in Mathematics iv)Passed in Physics/Computer Sc./ Computer Application/Statistics (in 10+2 or Equivalent)	50

Table 2.1.2.4 F. NUMBER OF SEATS FOR ADD-ON COURSES (2015-16)

Course	Minimum Qualification	No. of Seats
Hospital waste disposal & Management (Certificate)	Passed in 10+2 or Equivalent, pursuing UG Course	30
Travel & Tourism(Certificate)	Passed in 10+2 or Equivalent, pursuing UG Course	30
Industrial Chemistry(Certificate)	Passed in 10+2 or Equivalent, pursuing UG Course	30
Travel & Tourism(Diploma)	Passed in Travel & Tourism(Certificate), pursuing UG Course	30

Table 2.1.2.4 G PG COURSES THROUGH DISTANCE EDUCATION

Course	Minimum Qualification	No. of Seats
History (PG)	B.A (Hons.) in History	100
Political Science (PG)	B.A (Hons.) in Political Science	100
English (PG)	B.A (Hons.) in English	100
Environmental Science (PG)	B.A (Hons.) in Environmental Science	75
M.Com (PG)	B.Com (Hons.)	100
Soil and Water Analysis(PG Diploma)	B. Sc (Hons./Gen.)	50

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The College maintains a detailed record of the minimum and maximum percentage of marks for admission and submits the same to the office of the DPI, Higher Education Department annually. To the best of our knowledge, submission of such records is intermittent by many colleges, and hence, it is difficult to collect and submit such comparative data.

In 2015, **68,398** students applied for admission. Such huge demand ratio, students' entry from nearby districts and feedback from the stakeholders indicate that college as a leading and pioneer college of the state is receiving a good number of students with high percentage of marks from its subdivision and districts well as from the other parts of the state and from neighbouring countries both in the UG and PG levels.

TABLE 2.1.3.1. MAXIMUM AND MINIMUM PERCENTAGE OF MARKS FOR ADMISSION

UNDERGRADUATE

Sl.	Programme	2012		2013		2014		2015	
		Max%	Min%	Max%	Min%	Max%	Min%	Max%	Min%
1	Bengali (Hons.)	85.75	54.25	84.25	49.25	85.5	48.75	87.25	62.5
2	English (Hons.)	92.25	55.75	94.75	50.75	97.75	48.5	96.25	66.25
3	History (Hons.)	85	57.5	87.25	40.75	117	45	93.25	60.5
4	Journalism & Mass Comm (Hons)	92.5	54	94.75	56	92.25	50	93.25	56.5
5	Philosophy (Hons.)	78.5	50.25	96	50.75	83	45	89.5	51.5
6	Political Science (Hons.)	82.75	48.75	84.5	47.75	92.5	52.25	94.25	51.25
7	Psychology (Hons.) (ARTS)	86.5	52.5	92	50.75	93.5	51.5	92.25	65.25
8	Sanskrit (Hons.)	83.5	50	101.25	49.75	82.25	42.5	87	49.25
9	Sociology (Hons.)	89	57.75	89.75	47.25	91	54.25	92.75	52.5
10	Communicative English (Major)	86.75	49	84.5	45.75	89.75	46.75	86.5	45.25
11	Bio-Chemistry (Hons.)	90	58.25	90.75	54.5	92.25	51.75	92.25	51.75

ASUTOSH COLLEGE SSR 2015

12	Botany (Hons.)	91.5	50	88	51.5	89.5	53.5	94.5	66.25
13	Chemistry (Hons.)	93.25	55.5	92.75	54	96.5	57.75	95.25	77
14	Computer Sc. (Hons.)	90.75	50.25	92.75	54	92.5	48.75	96.25	69.75
15	Economics (Hons.)	93.75	55	95.5	52.25	94.75	55.25	94	62.75
16	Electronics (Hons.)	87.75	53.75	85	41.25	66.5	50.75	90	55.5
17	Environmental Science (Hons.)	83.5	50.5	83	51.25	87.25	52.5	91.5	51.25
18	Geography (Hons.)	94.25	55.75	94	59.5	94.75	55.5	96	50.5
19	Geology (Hons.)	92	57.75	93.75	62.75	93.75	55.5	94	66.5
20	Mathematics (Hons.)	91.25	57.25	95.25	57	92.25	52.75	95.25	52.75
21	Microbiology (Hons.)	88.25	57.5	93.75	56	93.25	57.5	94.25	77.5
22	Physics (Hons.)	96	66	94.75	58.25	96.25	46.75	98	73
23	Psychology (Hons.) SCIENCE	88.5	54	93.75	59.5	91.25	49.5	95.75	75
24	Statistics (Hons.)	90.5	56.75	93	65	93.5	60.5	93.25	78.25
25	Zoology (Hons.)	92.5	59.5	92.5	62	92.25	57	94.5	76.25
26	IFF (Major)	74.5	52.5	81.25	48.25	88	49.25	87.5	47.25
27	B.A. (General)	89.25	40	97	38.25	82.75	35.5	91.25	41.25
28	B.Sc. (General)	90	40.75	85	41.75	92.25	42.5	88.5	43
29	B.B.A. (Hons.)	75.5	74	89.25	52.5	89.75	57.5	87	57.25

POSTGRADUATE

Sl.	Programme	2013		2014		2015	
		Max %	Min %	Max %	Min %	Max %	Min %
1	Computer and Information Science(M.Sc.)	NA	NA	77.12	50.5	72.62	50.87
2	Applied Geology (M.Sc.)	NA	NA	64.37	48	62.37	47.37
3	Geography (M.Sc.)	59.25	44.37	61.12	47.12	64.00	46.25
4	Zoology (M.Sc.)	70.75	52.25	72.12	48.12	72.62	54.12
5	Environmental Science (M.Sc.)	75.5	50.12	80.25	44.5	80.00	52.37
6	Bengali (M.A.)	59.0	45.75	58.62	45.25	58.62	45.25

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

The College has a mechanism to review the admission process and students profiles which is followed annually.

- Every year, a meeting of the admission committee is held prior to the beginning of the admission process.
- The eligibility criterion for admission, the total number of seats available for each subject break up of seats for reserved category, credit formulae regarding preparation of merit list and dates of merit list publication and admission are all discussed and finalised in the meeting.
- The committee takes into consideration the profile of the students and ensures the maintenance of diversity and inclusiveness.
- The Principal, admission committee and the HODs meet regularly to review the progress of the admission process. Suggestions of the committee members are implemented if required.
- Student profiles are maintained and reviewed through collection of biographic information from the admission forms. The data (gender, caste, religion, economic status, disability status) on the profile are documented in the annual report submitted to the Government of West Bengal.
- In the case of PG admission, introduction of online submission of application forms was initiated in 2011 and the office preserves a copy of the computer generated admission forms.
- During the admission process both at UG and PG levels the members of the admission committee for UG and members of PG faculty council operate and review phase-wise whether admissions are made in different subjects as per the merit list, whether the total number of admission is in accordance with the total intake capacity, whether the admissions in reserved seats (R) have been made according to the government policy, how the increasing demand for admission can be satisfied in concurrence with the university directives.

OUTCOME: The College has established its own independent IT Section equipped with computers, Net-books, High performance Colour Laser Printers, Scanners, Multi-function Printers, own LAN structure and internet services. Programmers-cum-IT-associates and IT-operators have been appointed for this section. This section was developed as part of

the Department of Computer Science and in the year 2015, this has been made an independent unit and shifted to the ground floor of the Humanities building. This newly-introduced section of the college has designed, developed and implemented different Software Systems to meet the current demands of the society from educational institutions and is continuously engaged in the implementation of different innovative ideas of the institution. This ensures transparency of the admission process as well as all necessary data regarding admission process is always available for reference and cross verification, which is not possible when outsourcing occurs.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- * SC/ST
- * OBC
- * Women
- * Differently abled
- * Economically weaker sections
- * Minority community
- * Any other

With the target of increasing the access of the categories (mentioned in the SSR manual) in higher education the college has been adopting various favourable strategies. For example, during the session 2012-2013 total numbers of students admitted were 2451 and it has increased to 3042 in 2015-16. The figure says a clear rise of 24% without compromising the quality. It was made with continuous growth of infrastructure and capacity building. Seats for students from disadvantaged communities are reserved as per Govt. rules.

The institution has promoted access to the above categories in higher education in the last five years in the following ways:

A. SC/ST STUDENTS: Reservation policy of the Govt. of West Bengal is followed with respect to admission of SC and ST category which is 22 percent and 6 percent respectively.

B. OBC STUDENTS: Reservation policy of the Govt. of West Bengal is followed with respect to admission of OBC-A and OBC-B category which is 10% and 7% respectively. In 2014 the new policy of the Govt is to increase the number of seats of OBC to 17 percent over a period of 6 years keeping the total

number of seats intact of unreserved category. In accordance to this the college administration has resolved to increase 3% of seats for each course for a period of 6 years to accommodate the increase as recommended.

TABLE 2.1.5.1A. ADMISSION OF STUDENTS IN SC, ST, OBC, WOMEN AND PH CATEGORY

Year	SC	ST	OBC	Women	PH	Total
2015	628	123	319	2989	28	5974
2014	767	180	193	3425	36	7069
2013	810	196	-	3094	26	6738
2012	661	120	-	2577	12	5617

C. WOMEN STUDENTS: The percentage of women students is increasing owing to the fact that the neighbourhood is densely populated and there are a large number of girls' schools in the locality which are the feeder institutions for this college. The percentage of female students in our institution is gradually increasing. Initially the college was mainly for boys, later made co-educational in Humanities only. In 2003 the Science stream was also made co-educational. At present more than 50% students are female. Girls' hostel of the college attach the girl students from distant.

TABLE 2.1.5.1 ADMISSION OF FEMALE STUDENTS

Year	Women	Total	% women
2015	2989	5974	50
2014	3425	7069	48.4
2013	3094	6738	45.9
2012	2577	5617	45.8

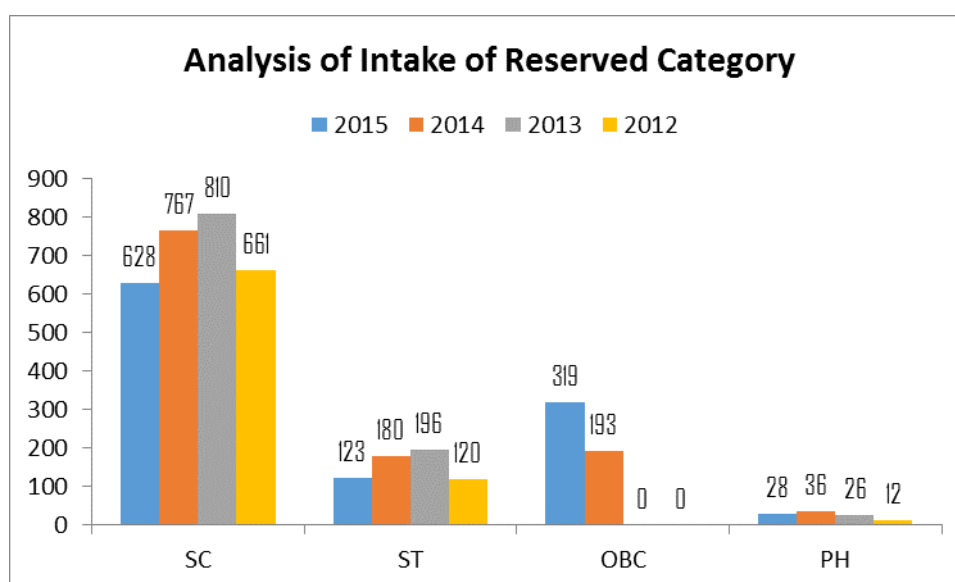
D. DIFFERENTLY-ABLED STUDENTS: Students (having 40% or more of disability as per the medical certificate given by District Medical Board of Govt. Health Department) have been admitted subject to the fulfilment of minimum marks. They have 3% reservation as per government norms. In practice all PH candidates having 40% or more of disability are getting offer of direct admission in the General course and for Honours course as per the university norms. More facilities such as Braille Library, nominal admission fees, exemption of tuition fees, exemption of CU registration and examination fees are provided to differently abled students.

E. ECONOMICALLY WEAKER SECTIONS: There is no provision of relaxation of marks in case of students coming from economically weaker sections. But no student in the merit list is denied admission for **non-payment of requisite fee**. Different schemes are there to assist them:

- College waive of tuition fees
- Allotment of 3-5 instalments
- Scholarships/ Free / Partially free studentship

F MINORITY (OBC-A) COMMUNITY: As per the directions of the Central Government, State Government and its affiliating University, this institution offers every possible help to the students belonging to the minority community (OBC-A). This is reflected in the encouraging representation of the community, particularly Muslims in all UG Honours and General courses. The students from this category also get scholarships and stipends.

G. SPORTS PERSONNEL: Any applicant who applies for admission and has participated in sports activities at the **State level, National level and University level** is given the facility for admission in our institution subject to the fulfilment of minimum marks as per guideline.



The above graphical representations show the year-wise inclusion of weaker sections of society during the period 2012-13 to 2014-15

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement..

The general trend of number of applications submitted and total number of admitted students shows a gradual positive trend over the years.

The variations for the last four years have been tabulated which indicates stream wise comparison of Demand Ratio.

In order to sustain the trend, quality teaching, transparent evaluation, adequate teachers, infrastructural support are maintained.

REASONS FOR INCREASE IN NUMBER OF APPLICANTS FOR ADMISSION:

1. Consistently good results and performance of the students in the university examinations is the major reason for this increase. The number of students and number of rank holders have been increasing consistently, while the pass percentage of around 98% has been consistently maintained.
2. The college has the highest number of Honours subjects and as the college has its own system generated software for admission, a particular student can apply for as many Honours subjects as desired. This offers a wider option to students for selection of subjects.
3. Introduction of Regular Courses on emerging subjects, Add-on Multi-disciplinary subjects, B.Voc. courses and Community College scheme in the last 4 years that has attracted students.
4. Subject specific orientation of the students and gradual increase of attraction of students for new emerging subjects like Microbiology, Biochemistry, Computer Science, Electronics, Journalism and Mass Communication, BBA, Communicative English, IFF, Environmental Science etc. all of which is taught in the college.
5. Colleges at the outskirts of Calcutta has been excluded from the jurisdiction of Calcutta University and placed under West Bengal State University. Preference of students to study under Calcutta University and the easy access of the college by all modes of transport have resulted in an influx of students from the suburbs.
6. The college has been declared as the 2nd Best College in Science Teaching within Kolkata by India Today-Nielson Review, which also created an impact on students.

ASUTOSH COLLEGE SSR 2015
TABLE 2.1.6.1 RATIO OF NUMBER OF APPLICATIONS RECEIVED TO AVAILABLE SEATS (DEMAND RATIO):

Programmes	2012-2013			2013-2014			2014-2015			2015-2016		
	No of Applicants	Number of students Admitted	Demand Ratio	No of Applicants	Number of students Admitted	Demand Ratio	No of Applicants	Number of students Admitted	Demand Ratio	No of Applicants	Number of students Admitted	Demand Ratio
Bengali (Hons.)	1036	71	14.59	1222	90	13.58	1865	80	23.31	2665	104	25.63
English (Hons.)	4598	109	42.18	5993	164	36.54	7541	177	42.60	8070	163	49.51
History (Hons.)	569	70	8.13	661	61	10.84	769	86	8.94	1047	69	15.17
Journalism & Mass Communication (Hons.)	1354	88	15.39	1562	74	21.11	2018	102	19.78	2310	98	23.57
Philosophy (Hons.)	369	38	9.71	357	48	7.44	547	42	13.02	848	73	11.62
Political Science (Hons.)	491	76	6.46	594	80	7.43	1041	86	12.10	1425	91	15.66
Psychology (Hons.) (ARTS)	387	24	16.13	434	28	15.50	489	49	9.98	629	32	19.66
Sanskrit (Hons.)	284	40	7.10	358	39	9.18	436	38	11.47	699	76	9.20
Sociology (Hons.)	502	46	10.91	552	48	11.50	612	62	9.87	793	61	13.00
Commun English (Major)	358	64	5.59	341	75	4.55	436	81	5.38	599	82	7.30
Bio-Chemistry (Hons.)	963	42	22.93	1036	54	19.19	1096	77	14.23	1168	57	20.49
Botany (Hons.)	1954	79	24.73	2158	70	30.83	2096	108	19.41	2165	89	24.33
Chemistry (Hons.)	4302	125	34.42	4879	126	38.72	4485	139	32.27	4394	112	39.23
Computer Sc. (Hons.)	1869	106	17.63	1972	102	19.33	2139	99	21.61	2425	95	25.53
Economics (Hons.)	1023	85	12.04	1058	86	12.30	1148	111	10.34	1264	100	12.64
Electronics (Hons.)	541	48	11.27	719	56	12.84	963	50	19.26	1123	50	22.46
Environmental Science (Hons.)	269	40	6.73	283	31	9.13	397	30	13.23	512	38	13.47
Geography (Hons.)	2214	102	21.71	2951	87	33.92	2796	120	23.30	2817	85	33.14
Geology (Hons.)	1206	56	21.54	1216	53	22.94	1423	74	19.23	1517	75	20.23
Mathematics (Hons.)	3999	114	35.08	4180	115	36.35	4678	112	41.77	5471	91	60.12
Microbiology (Hons.)	2105	51	41.27	2216	56	39.57	1875	83	22.59	3045	54	56.39
Physics (Hons.)	3569	128	27.88	3979	129	30.84	5478	150	36.52	6273	118	53.16
Psychology (Hons.) SCIENCE	568	30	18.93	628	41	15.32	745	46	16.20	838	41	20.44

ASUTOSH COLLEGE SSR 2015

Statistics (Hons.)	803	68	11.81	818	77	10.62	985	95	10.37	1054	95	11.09
Zoology (Hons.)	4123	85	48.51	4396	103	42.68	5984	109	54.90	7205	118	61.06
Industrial Fish and Fisheries (Major)	241	25	9.64	266	59	4.51	328	64	5.13	459	74	6.20
B.A (General)	1589	286	5.56	1707	241	7.08	2476	298	8.31	2846	301	9.46
B.Sc (General)	1893	288	6.57	2019	151	13.37	2069	276	7.50	2285	197	11.60
TOTAL	43179	2384		48555	2344		56915	2844		65946	2639	

TOP 10 DEPARTMENTS WITH HIGHEST DEMAND RATIO

Rank	Programmes	2015-2016	Rank	Programmes	2014-2015
		Demand Ratio			Demand Ratio
1	Zoology (Hons.)	61.06	1	Zoology (Hons.)	54.90
2	Mathematics (Hons.)	60.12	2	English (Hons.)	42.60
3	Microbiology (Hons.)	56.39	3	Mathematics (Hons.)	41.77
4	Physics (Hons.)	53.16	4	Physics (Hons.)	36.52
5	English (Hons.)	49.51	5	Chemistry (Hons.)	32.27
6	Chemistry (Hons.)	39.23	6	Bengali (Hons.)	23.31
7	Geography (Hons.)	33.14	7	Geography (Hons.)	23.30
8	Bengali (Hons.)	25.63	8	Microbiology (Hons.)	22.59
9	Computer Sc. (Hons.)	25.53	9	Computer Sc. (Hons.)	21.61
10	Botany (Hons.)	24.33	10	Journalism & Mass Communication (Hons.)	19.78

2.2 CATERING TO STUDENT DIVERSITY

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard

The institution has always shown keen interest in catering to the needs of differentially abled students.

- As per the directives of the Ministry of Social Justice and Empowerment and Govt. of India guidelines, ramps have been constructed at most strategic locations to provide almost full campus access to students with motor disability.
- Reservation of 3% seats in all UG/PG programmes for admission.
- Differently-abled students are assisted with free studentships, scholarships and instalment facilities.
- Nominal admission fee for differently-abled students. Tuition fee, CU Registration fee and Examination fee are also waived for these students.

- Teachers, Non-teaching members provide all necessary support if any when required. Class Representative of the concerned section is also allotted the duty to extend all possible support in day to day basis.
- There is psychotherapy unit for development of personality and self-confidence. Counselling of students to build their mental strength is done.
- All Buildings boast a vertical rail (Lift), wheelchair for disabled and support staffs have been assigned the duty of assisting such students in every possible way.
- The College Library has a set of Braille books for visually challenged students depending on the requirements set forward by the student.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

In most departments, the following methodologies are undertaken for the assessment prior to commencement of the course:

TABLE 2.2.2 A. ASSESMENT INDICATORS FOR STUDENTS

ASSESMENT INDICATOR	FREQUENCY
Group Discussion	Weekly
Provision of Worksheet	At the end of completion of each part of the curriculum
Class Test	Generally monthly
Student-Teacher Interaction (1:1)	Regularly, in and outside the classroom
Guardian-Teacher Interaction	Three per year

OUTCOME: Identification of slow learners and advanced learners.

With the help of this mechanism it is possible to assess the academically strong and weak students. To bridge the knowledge gap the institution takes the following mentioned methodology.

PROVISIONS FOR IMPROVEMENT:

A. TEACHING METHODS:

TABLE 2.2.2B.TEACHING METHODS ADOPTED FOR STUDENTS

SLOW LEARNER	ADVANCED LEARNER
Remedial classes	Tutorial class are held regularly
Student-teacher interaction (1:1)	Provision of handouts
Guardian Meet	Presentation of topic on Inbox and Out of box thinking
Counselling for development of self confidence	Special class at advanced level

B. TEACHER STUDENT INTERACTION:

TABLE 2.2.2C TEACHER STUDENT INTERACTION

INTERACTIVE SESSION	TIMING
Interaction inside the class room	College hours
Interaction outside the class room	College hours
Open-link interaction	24 hours

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

- **BRIDGING COURSES:** Tutorial classes are allotted within the master timetable of the departments.

Faculty members interact with students and orient them towards advanced learning. Individual coaching, as and when required, is in place in all departments even if these are not reflected as tutorials. Identification of weaker and advanced learners is done on the basis of classroom interaction, mock test, student teacher interaction, class test, and examinations.

- **REMEDIAL COURSES:** The College has a U.G.C. sponsored Remedial Course for students of the Minority and Backward classes where special classes are held for Minority and Backward Class students. Special classes are held in various subjects to help the academically weak students.
- **ADD-ON COURSES:** The college has initiated :
 - a. UGC-sponsored Add-on Courses in Industrial Chemistry, Hospital Waste Disposal Management and Travel & Tourism.
 - b. B.Voc. Courses in Software Development & Industrial Aquaculture and Fisheries where the curriculums are developed in consultation with Industry.
 - c. Diploma and Advanced Diploma Courses (Under UGC Approved Community College Scheme) in Mobile Communication & Software Development.
- **ENRICHMENT COURSES:** The college provides different enrichment courses at the Asutosh College Training Centre on:
 - a. Training for Governmental, Administrative, Non-Governmental Service entrance examinations including WBCS, Combined Services, Banking Services, etc.
 - b. Training for NET/SET and School Service Commission conducted examination.
 - c. Certificate and Diploma courses in Export-Import management.
 - d. Diploma course (Advanced) on Industrial Safety Management.
 - e. Need based courses of Computer learning under DOEACC.

The Add-on & Enrichment Courses have been designed to enable students to acquire applied skills and train themselves for career and job.

2.2.4. How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

➤ **GENDER:**

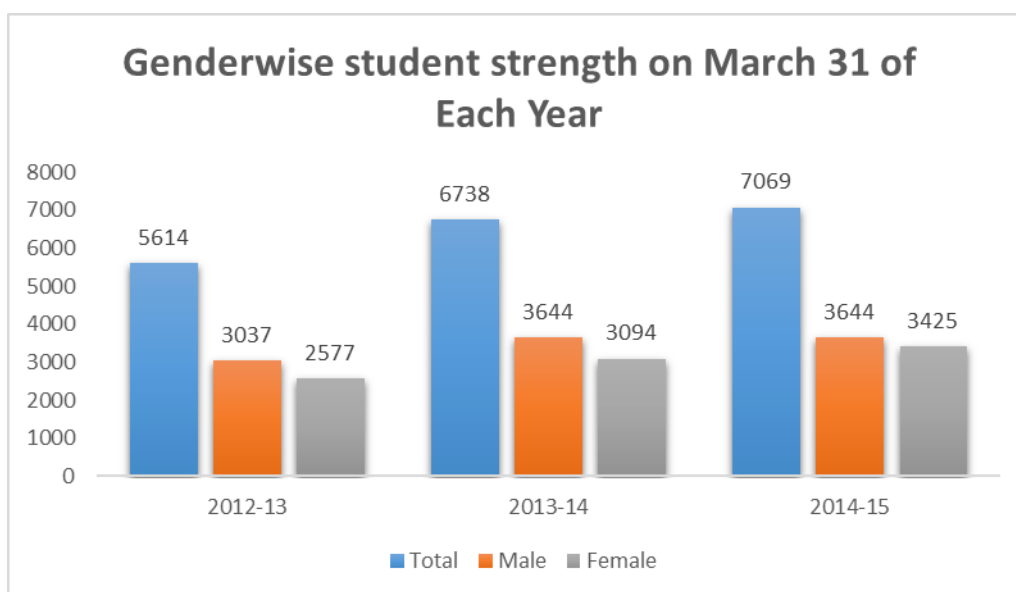
Asutosh College has never needed any special effort to sensitize its staff and students on gender issues, because of the increasing percentage of female students admitted in different subjects in our college, as evident from the following table. The percentage of female students has been steadily increasing from 45.9% in 2012-13 to 48.45% in 2014-15. Prof.-in-Charge of Gender Sensitization, Dr. Rina Kar Dutta, regularly conducts programme on the issue.

TABLE 2.2.4.1 GENDER WISE STUDENT STRENGTH ON MARCH 31 OF EACH YEAR (3 YEAR COMBINED)

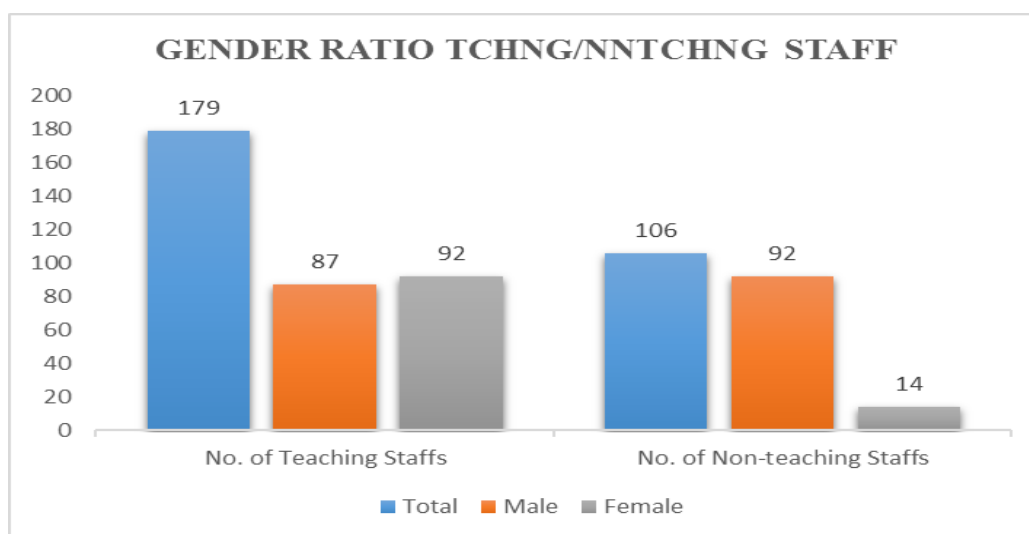
Session	2012-13	2013-14	2014-15
Total	5614	6738	7069
Male	3037	3644	3644
Female	2577	3094	3425
% of Female	45.9%	45.92%	48.45%

To maintain the gender balance amongst students and staff, the institution encourages female students and staff to be involved and participate in all committees and bodies of the college. Female students and staff participate in the Governing body, Students Union, Cultural Committee, Admission Committee, Finance Committee, IQAC, UGC committee, etc.

In the case of teaching and non-teaching staff gender wise distribution is given below.


TABLE 2.2.4.2 GENDER RATIO AMONG TEACHING AND NON-TEACHING STAFF

	TEACHING STAFF	% OF TEACHING STAFF	NON-TEACHING STAFF	% OF NON-TEACHING STAFF
MALE	87	48.6%	92	86.8%
FEMALE	92	51.4%	14	13.2%


TABLE 2.2.4.2 GENDER RATIO IN DIFFERENT BODIES/COMMITTEES OF THE INSTITUTION

Body	Male	Female	Ratio
Governing Body	11	1	11
Finance Committee	7	1	7
Students' Union	25	4	6.25
Cultural Committee	6	5	1.2
Hostel Committee	3	1	3
Library Committee	5	2	2.5
Academic Affairs Committee	26	20	1.3
Admission Committee	9	3	3
Sports Committee	7	1	7
IQAC	12	7	1.7
UGC Committee	3	2	1.5
Editorial Board	2	3	0.7
Publication Committee	2	3	0.7
Sexual Harassment Redressal Cell	2	4	0.5
Grievance Redressal Cell	2	4	0.5
Placement Cell	3	1	3
Anti-Ragging Cell	1	2	0.5

To address the problems of the female students, the college has set up a Grievance Redressal Cell including the female teaching, non-teaching staff and students.

➤ **INCLUSIVE REPRESENTATION:**

In the institution there is no discrimination made on the basis of religion, caste, ethnicity, region, language, social status etc. The College follows the reservation policy of the government 22% SC, 6% ST, 17% OBC. Financial assistance in the form of free studentship, half free studentship, instalment facilities for needy but meritorious students under SC/ST/OBC categories are always provided. In this Centenary Year our motto is “Inclusive Education”.

➤ **ENVIRONMENT-FRIENDLINESS :**

1. Environmental Education is compulsory for all U.G students. It is part of the U.G syllabus and the students have to participate in field work. Accordingly, they have to submit a project report based on this field work.
2. UG Honours and PG Course introduced in Env. Sc.
3. The NSS unit of our college keeps the students aware of the bad effects of plastic and motivate the students, teachers and staff to keep the campuses plastic-free.
4. In addition, in the PG Curriculum of Laboratory based subjects, some practical has been introduced in relation to the measurement and control of environmental pollutants.
5. The Eco-Club of Environmental Science Department carry out programmes to sensitise the students on environmental issues like climate change, pollution, conservation etc.
6. There is a Medicinal Plants Garden at Bhasa Campus which has a role in the sensitisation programme.
7. Our second campus is being developed as Green Campus.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

➤ **IDENTIFICATION OF ADVANCED LEARNERS**

Identification is done on the following performance

TABLE 2.2.5A. IDENTIFICATION OF ADVANCED LEARNERS

PARAMETER	ADVANCE LEARNER
Attendance	60% or more
Sudden test	Average to very good
Class test	> 60% (marks)
Group Discussion	Average to very good
Lab Quiz (Science)	Average to very good
Pre-selection & selection tests	Good / very good

➤ **MOTIVATION OF ADVANCED LEARNERS**

TABLE 2.2.5B METHODS OF MOTIVATION OF ADVANCED LEARNERS

Participation in inter college quiz competition
Participation in presentation of poster in different competition
Debate competition
Building up of projects (in Science discipline) and talk presentation (in Humanities).

For both slow and advanced learners at the UG & PG levels, the following infrastructure has been developed in the institution for clear understanding of the respective areas.

- The College has excellent laboratory facilities in the science subjects.
- There is also a well-stocked library which houses 28413 books, 200 volumes of journals. The library also subscribes to journals and magazines.
- Each department has a supporting Seminar Library for average as well as advanced learners.
- The Postgraduate departments have research scholars and the College provides them with the best research facilities.
- Summer training for PG and UG students of some departments are regularly organized, as are visits to research institutes, and industries to address the needs of advanced learners.
- Students of the various departments attend special classes in different research institutes for exposure to a research environment.
- Accessibility to journals through UGC N-List Programme.
- Field work for practical understanding of the subjects.
- Arrangements of various seminars and workshops.
- Publication of the paper in the State / National level Seminar or Workshop.

2.2.6. How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

In the college there is a continual academic assessment of students throughout the programme duration. The students' academic performance is assessed by their performance in the formative and summative evaluations as well as their involvement in the class room teaching and activities.

➤ **IDENTIFICATION OF SLOW LEARNERS**

TABLE 2.2.6A. IDENTIFICATION OF SLOW LEARNERS

PARAMETER	SLOW LEARNER
Attendance	< 60%
Sudden test	Very poor
Class test	< 60% (marks)
Group Discussion	Poor
Lab Quiz (Science)	Poor
Pre-selection & selection tests	Moderate

➤ **MOTIVATION OF SLOW LEARNER**

TABLE 2.2.6B METHODS OF MOTIVATION OF SLOW LEARNERS

Periodical checking of completion of syllabus
Supply of necessary handouts
1:1 (Teacher-student) interaction
Psychological support to build self confidence
Supply of individual worksheet on the basis of their understanding

- Each department has a predetermined Academic Calendar and maintains an academic progress report for timely completion of syllabus with ample scope of revision and class tests.
- Periodically/fortnightly meetings are conducted between the HoD and the teachers of each department to verify progress of syllabus.
- After the completion of a particular content class tests are generally conducted.
- Depending on the gradation of the students, tutorial, remedial and special classes are arranged.
- Potential dropouts are identified and counselled, sometimes along with their parents, so that they can return to their studies with renewed enthusiasm.
- Bilingual method of teaching is adopted and special classes are arranged for weak students and slow learners. Handouts are given to them as supplement.
- The college has a Psychotherapy Unit that provides psychological support to weaker and slow learners.
- The seminar/departmental libraries and the Central library lend a number of books (3 to 5 for each) according to the needs of students.
- For economically weaker students the risk of discontinuation of study is avoided with different supports including waiving of the tuition fees.

2.3 TEACHING-LEARNING PROCESS

2. 3.1 How does the college plan and organize the teaching, learning and evaluation schedules?

(Academic calendar, teaching plan, evaluation blue print, etc.)

➤ **ACADEMIC CALENDAR:**

- On the first day of college an Orientation Programme of the newly admitted students are held at the Asutosh Memorial Hall, where the Members of the Administration including the Governing Body President (at present Prof.Saugata Ray, MP), Principal, Bursar, members of teaching and non teaching staff and other Guests-of -Honour address the students highlighting the mission, vision and objective of the institution. This year, we had the honour to have with us Sri Chittatosh Mukherjee (Former Chief Justice of Bombay High Court and grandson of Sir Asutosh Mookherjee) and our Honourable Education Minister Dr.Partha Chaterjee (who also is analumnus) as the Guests-of-Honour. All students including new comers mandatorily participate in this programme. The Principal, senior faculty members and distinguished alumni address the students. During this programme all students are provided with a copy of the academic calendar.
- The college has a well-structured academic calendar with clear mention of dates of examination schedule of the university.
- Academic calendar presents the whole syllabus, splitting of syllabus into different units, required number of classes for those units.



Academic Calendar

➤ TEACHING PLAN:

UG PROGRAMMES

- Each department prepares detailed teaching plans on the basis of academic calendar. In this plan, each teacher provides break up of his/her allotted syllabus according to the total number of classes to be taken during the session, with due provisions of class test, tutorial and revision classes.
- Regular record of the topics taught in the class is kept by the teachers in their academic dairy throughout the year.
- The progress of the academic plan as well as maintenance of the dairy is categorically verified by the head of the department and senior most faculty and Principal.
- After critical analysis of the progress of the syllabus, in the departmental meeting, if slow progress is observed extra classes are mandatorily provided.

PG PROGRAMMES

The College offers six PG programme in the following subjects:

Bengali, Geography, Zoology, Geology, Computer Science, Environmental Sciences.

- College operates credit based semester system for these programmes.
- Curriculum, academic calendar for PG courses are displayed in college website.
- Choice-based credit system in last semester is operated.
- The curriculum design of the whole syllabus is provided to each student.
- Special attention is given to maintain the attendance of the students in theoretical and practical classes.

The following database is maintained in each discipline to follow the transparency in academic performance.

TABLE 2.3.1.1 CLASS ALLOTTED CLASS TAKEN RATIO

Year	2011-12	2012-13	2013-14	2014-15
Class Allotted	96120	95580	89640	91800
Class Taken	88423	84110	77987	84105
Class Allotted to Class Taken Ratio	92	88	87	91.6

No. of Working Days	260	271	283	235
No. of Teaching Days	178	177	166	170
% of Teaching Day	68.46	65.35	58.65	72.34

The data of the last four years show that out of the total classes allotted almost 90% of the classes have been held and the number of teaching days was around 177 days which is very close to the UGC stipulated teaching days of 180 days per year.

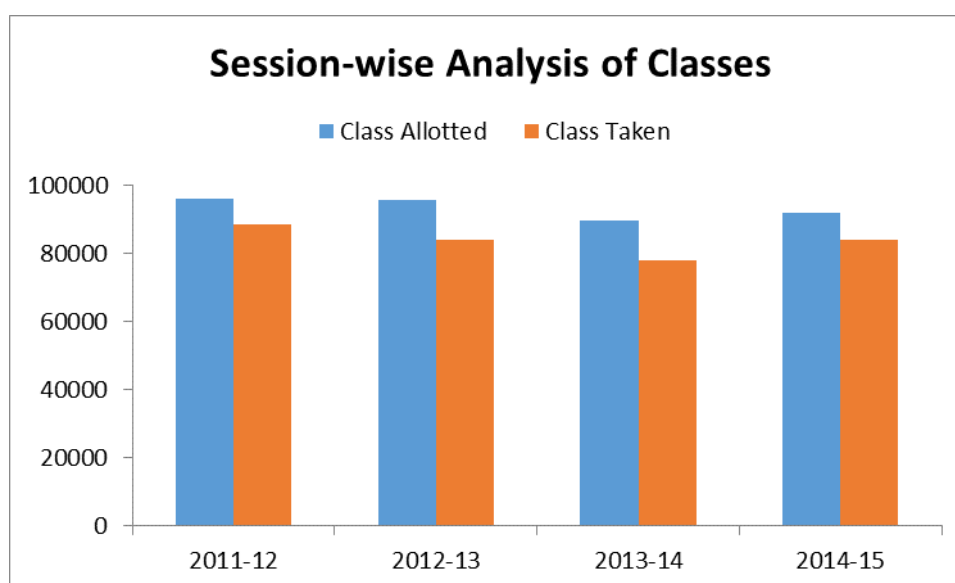


TABLE NO. 2.3.1.2 TEACHING PERFORMANCE

Session	% Share of Teacher		
	Above 90%	Above 80%	Below 80%
2011-12	92% (approx.)	8% (approx.)	NIL
2012-13	93% (approx.)	7% (approx.)	NIL
2013-14	93% (approx.)	7% (approx.)	NIL
2014-15	95% (approx.)	5% (approx.)	NIL

➤ **EVALUATION BLUE PRINT:**

- The academic calendar is released by the affiliating University and the college holds its internal examinations (mid-term and selection test) in compliance with this calendar. The schedule for class tests, tutorials and college examinations is finalised at the beginning of the academic session.

UG Programme

- For UG Programme evaluation system is operated as per university norms.

Examination	Part - I		Part - II		Part - III	
	Hons.	Gen	Hons.	Gen	Hons.	Gen
Marks	200	100	200	200	400	100

- As per university guidelines the college has introduced the following examinations for evaluation of students.

	1 st Year Hons.	2 nd Year Hons.	3 rd Year Hons.
Class Test	Monthly / Biweekly	Monthly / Biweekly	Monthly / Biweekly
Mid-Term	November	November	November
Test Exam	March	February	January

- At college level examination answer scripts which are evaluated are shown to the students.
- All errors / mistakes are categorically discussed for rectification.
- Mark sheets are issued by the college.
- The examination results are furnished and analysed in the parent-teacher meetings.
- For rectification, tutorial, remedial, special classes are arranged in the structured time table.

Average to Good Performer	Below the Average Performer
I) Tutorial class (twice in a month)	I) Remedial class (3 to 6 hrs / week)
	II) Special class (3 hrs / week)

PG Programme:

The following examination schedule is maintained as per UGC and university guidelines:

Exam	Sem I	Sem II	Sem III	Sem IV
Marks	250	250	250	250

Evaluation design is based on grade and number, furnished in the marksheet. Internal assessment, paper presentation, project presentation, grand viva are the part of evaluation.

2.3.2 How does the IQAC contribute to improve the teaching –learning process?

- The IQAC provides the quality benchmarks/parameters for the various academic and administrative activities of the institution. The objective of IQAC is also to monitor promotion,

implementation and continuous improvement of innovations in curricular, co-curricular and extra-curricular activities of the institution.

- The IQAC directs and monitors all developmental activities in the institution regarding teaching and learning, starting of new courses, Infrastructure development, communication networking among departments, quality assessment and rewards through systematic feedback, appraisal system etc.
- The IQAC sensitizes departments to become computer literate so that all departmental records are gradually transferred into a digital database format by the teachers themselves.
- It motivates opening of advanced learning courses - PG, Career oriented courses and oversees the need to enhance facilities of all kinds that helps upgrade classroom teaching.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

To make learning student-centric the teachers make sincere efforts to present the prescribed curriculum in ways that suit the average aptitude of each batch of students. The college follows strategies which are based on student centric learning which include:

INTERACTIVE LEARNING:



Students of the English Department presenting papers in a student seminar

Different methodologies applied are:

- Use of LCD/projector in Teaching
- Project work by the departments
- Use of audio-visual aids
- Field work
- Departmental seminar
- Presentation of papers by the students inside and outside the college.
- Research projects for the students in PG section
- *In-situ* learning
- Demonstration of particular topic with the help of instruments (e.g. UV spectrophotometers etc.)
- Industrial visit for skill development by Industrial Chemistry (UGC Sponsored Add-on Course)
- Expedition to different historical places by the department – Travel and Tourism for practical learning
- Visit to the hospital for Hospital Waste management study
- Celebration of environmental day by the ENVS department
- Different cultural activities related to learning of particular topic.

COLLABORATIVE LEARNING:



Wall Magazines of the Depts. Of Psychology & Journalism and Mass Communication

Small groups of students work together to complete an academic task, which is the basis of collaborative learning. This includes:

- Project work
- Presentation of talk in a seminar
- Field work
- Preparation of Wall magazine and College magazine
- Group Discussion.
- Participatory talks by students by some departments.

INDEPENDENT LEARNING:

The college encourages self-directive independent learning. Many departments encourages students to formulate problems, find answers through systematic procedures of reference work, hypothesizing, experimenting, field work, day-to-day experience etc. by assignment work, laboratory work, reference reading in library and through internet, programmed learning, ,learning through audio-visual aids such as films, reference videos, animation videos films, filmstrips, slides, etc.

At the PG level each student gets the opportunity to use his/her skill in preparation of dissertation work. Some students show their special interest in handling instruments. Some are motivated to prepare different projects. They are encouraged to access journals and book chapters through INFLIBNET. These types of learning are very useful in preparation of lessons and students get practical training and very clear idea about their lessons. They are provided all kinds of help including computers, internet, and access to eBooks for the same.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The institution has various mechanisms to promote critical thinking, creativity and scientific temper among the students through:

- The college encourages the use of many interesting methods to develop critical thinking and creativity of the students through participation in quiz, debate, elocution competitions, creative writing, group discussion, etc. The students are also encouraged to participate in various intra- and inter-college competitions.
- The students analyse various crises situations that might arise in different real-life situations through case studies. They also propose remedial strategies that may be implemented to overcome the crises.
- The University of Calcutta has introduced a term paper (project based) recently in certain subjects like Economics (H), Sociology (H) and Environmental Studies.

Guided by their teachers, the students select a topic related to current and local problems on which they are required to -write a project/research paper.

- The students are given some assignments on contemporary issues and critical appraisals are sought from them.
- In the projects the students (both at UG and PG levels) are asked to design questionnaires for acquiring relevant data from the different primary sources. The students are required to identify the problem from study of relevant secondary sources and also create the research methodology under the supervision of the departmental teachers.
- The students of PG departments present their own papers/projects in the departmental seminars organized every year in front of teachers and their classmates
- Sometimes the students act in groups while presenting projects and papers.
- Critical thinking through cross verification of ground reality with observed or learned situation during field study for specific case studies.
- Through identification of points of difference of class room teaching and field observation with probable explanation. Suggestions are asked for remedies of various problems.
- While selecting the topic of dissertation, students are asked to present and justify their own critical views for the particular choice.
- Students are asked to develop their own methodologies along with the adaptation of individual technique and statistical tools for explaining their hypothesis and findings substantiated by data base. While preparing the reports they are given autonomy for the preparation of maps and diagrams with proper justification finally guided by the supervisor.
- Creativity is nourished through independent, collaborative learning, project assignment, seminar through power point presentation, home assignment, preparation of field report and dissertation, preparation of wall magazine, participation in poster competition, seminar etc.
- Eminent scientists and researchers visit the institution and motivate our students.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc

- Asutosh College aims at technology-enabled teaching-learning and evaluation processes in recent years.
- Most departments of the college use LCD projectors, Overhead projectors for effective teaching. The students are also encouraged to use computer software packages (viz. Geography, Psychology, etc.) for meaningful analyses of the experimental data collected by them.

ASUTOSH COLLEGE SSR 2015

- The Centenary Building inaugurated by the President of India, has classrooms equipped with Smart-Class facilities. A Seminar Hall also has facilities of interactive board.
- The Centenary Building has an e-library for the teachers and students.
- Wifi and Internet facility is available in the Departments and campus.
- The college is planning online courses in near future.

TABLE:2.3.5. TECHNOLOGIES AND FACILITIES AVAILABLE AND USED BY THE FACULTIES FOR EFFECTIVE TEACHING

SUBJECT	LIBRARY				Internet Facilities		ICT facilities	Laboratory
	Central	Seminar	Reading	Journal	Desktop	Laptop		
BENGALI	2927	886(UG)+ 596(PG)	193		1	2	One LCD projector	NA
COMMUNICATIVE ENGLISH	134	133				1 + 20 (Lang Lab)	One LCD projector	Modern Language Laboratory with 18 Laptops and one PC
ENGLISH	1907	657	77			1		NA
HISTORY	1692	606	106	2		1		NA
JOURNALISM	414	152	46	2		1	One LCD projector	Well equipped Laboratory with Movie – CDs, Documentary CDs, Laptop, 5-Handy Cam, LCD TV, LED monitor
PHILOSOPHY	1117	443	81			1		NA
POLITICAL SCIENCE	1057	520	101			1		NA
SANSKRIT	765	323	04			1		NA
SOCIOLOGY	750	301	54			1		NA
BIOCHEMISTRY	382	316	12		1	2		Well equipped One Hons. Laboratory, another shared with Chemistry Dept.

								Laboratory
BOTANY	837	447			1	2	One LCD projector	Well equipped Four Laboratories , Two for Hons/Gen other two only for Hons
CHEMISTRY	1649	799	186			3	One LCD projector	Well equipped Three Laboratories, Inorganic, Organic, Physical (instrumental)
COMPUTER SCIENCE	1135	716(UG)+ 278(PG)	75		46	1	2	Three
ECONOMICS	1014	346	76			1		NA
ELECTRONICS	625	287	14		2	1		Two well equipped with Modern instruments
ENVIRONMENTAL SCIENCE	180	103(UG)+ 451(PG)	05		2	1	2	Well equipped Four Laboratories(one shared with IFF)
GEOGRAPHY	1102	848(UG)+ 381(PG)	66	5	30	4	2	Well equipped Two Laboratories, Social-Science Lab, GIS - Remotesensing Lab.
GEOLOGY	749	285(UG)+ 65(PG)	80		7	5	4 LCD Projector	Three Laboratories – Petrology, Minerology Palaentology
IFF	173	172				1		Two Laboratories, one shared with Env. Sc.
MATHEMATICS	1483	680	134			2		Well equipped with 11 desktops 2 laptops and 5 printers
MICROBIOLOGY	428	313	29		1	1	1	One well equipped Laboratory

PHYSICS	1388	801	170		10	16		Well equipped Four Laboratories for Hons/Gen
PSYCHOLOGY	406	280	25			1		One laboratory with many modern instruments
STATISTICS	1373	1044	53		2	1		One laboratory with 30 desktops, for students, one for teacher
ZOOLOGY	32	442(UG)+ 161(PG)	46		2	1	2	Well equipped Three Laboratories for Hons/Gen, One for PG only
COMMUNITY COLLEGE	193	193			20	1	1	

** The Departments of Humanities Section share the ICT classroom with LCD projector centrally. Each department has their own PC or laptop*

Open Educational Resources (OERs): Faculty members make ample use of open educational resources like e-books, CD, animations and free software to improve curriculum delivery. Many teachers use downloadable animations from You-tube for demonstrating in class room. The students are also encouraged to access these facilities.

Mobile Education: The campus has Wi-Fi facility providing mobility to its learners. Facebook and WhatsApp are used for Teacher-Teacher, Teacher-Student and Student-student communication. Online study groups are formed to discuss academic matters.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops, etc.)?

Students and faculty are exposed to advanced level of knowledge and skills by the following methods:

BLENDED LEARNING:

BLENDED LEARNING:

- The institution gives facility of blended learning, i.e. face - to - face learning along with ICT-based learning.
- The Department of Environmental Science involves the faculty from various departments like Physics, Chemistry, Botany, Zoology, Microbiology, Statistics and Biochemistry for their teaching and evaluation processes.
- The Department of Zoology involves faculty members of Botany for PG teaching in Biotechnology.
- The Department of BBA involves Faculty from different Corporate Houses and Industries like Coal India, Andrew Yule, Organon India Ltd. Get-well Life Sciences, Mission of Marcy Hospital etc.
- The Department of Computer Science involves many of the Universities and industry-based personnel for teaching and syllabus making.
- The B.Voc. course syllabus is made by the senior faculty of the Departments involved like Electronics, Computer Science.
- The Add-On and Community College courses involve the faculty from History, Chemistry, ENVS, Physics, Electronics, and Computer Science departments.
- The institution provides expert lectures from the peer members from the reputed institutes such as University of Calcutta, Jadavpur University, Kalyani University, Bose Institute, Kolkata etc.

LECTURES BY EXPERTS:
TABLE 2.3.6A LIST OF LECTURES BY EXPERTS (LAST 4 YEARS)

Date	Special Lecture	Department	Speaker
4/03/11	Acharya Ray –his life and works	Chemistry Biochemistry	Prof. Dhrubajyoti Chattopadhyay, Pro V.C.(Academic) C.U.
12/05/11	Technology Enabled Teaching and Learning	ACTC	
23/08/11	Origin of life in the light of Biology,Physicsand Upanishad	Zoology	Dr.Kamalesh Mishra, Associate Prof. of Zoology
02/04/12	Outreach to Asutosh College – Higher Education in USA	Asutosh College	US Consulate General

ASUTOSH COLLEGE SSR 2015

1/3/13	Indian Materialism	Philosophy	Prof. Ramakrishna Bhattacharya Indian Council Philosophical Research
	Logic: Traditional & Modern	Asutosh College	Prof. Subir Ranjan Bhattacharya, Indian Council Philosophical Research
13/03/13	Soil Profile and Ternary Diagram	Geography	Prof. Pannalal Das
10/06/13	Tropical Geomorphology	Geography	Dr. Partha Basu
13/06/13	Landslides, Floods, River Bank Erosion	Geography	Guru Prasad Chattopadhyay
24/8/13	Disaster in Devbhumi (Spl. Lect.)	Geography	Prof. Kalyan Rudra, Chairman, W.B.W. D. C.
14/09/13	"Neo-deterministic Approach in the Future Trend of Development"	Geography	Prof. Malay Mukhopadhyay, Visva- Bharati University
11/11/13	Observation of National Education Day	Asutosh College	
20/11/13	Orientation on "Financial Education"	SEBI	
21/11/13	Interaction with students /Carpe Diem	Journalism & Mass Comm.	Riingo (Film Director)
7/12/13	Present Agricultural Problems of India and its Probable Solution (spl. Lect.)	Geography	Dr. Anupam Pal, Agr. Sc. Govt. of WB
16/12/13	Special Lectures	Zoology	Dr. Sandip Poddar, Director, Lincoln College Dr. Anup Palit, NICED, Kolkata
27/04/15	(Spl. Lect) Big Dams and Intervention in River Regions	Geography	Dr. Kalyan Rudra
8/3/14	Mangrove Ecosystem of Sunderbans	Zoology	Dr. Dipak Ranjan Mandal, DPI, WB
12/08/14	Interlinking of Rivers	Geography	Dr. Kalyan Rudra
08/02/15	Periodical Lectures on "Gender and Identity": Some Philosophical Reflections	Philosophy	
16/02/15	Research Methodology	Geography	Prof. Ranjan Basu, C.U.
23/3/15	Ribozyme and its Therapeutic effect	Zoology	Dr. Sandip Poddar
27/04/15	Big Dams and Intervention in River Regime	Geography	Dr. Kalyan Rudra

ASUTOSH COLLEGE SSR 2015

28/07/2015	Environmental Crisis and Planetary System	Geography	Dr.Tushar Chakraborty, IICB
13/10/15	Application of Remote Sensing and GIS in Geography	Geography	Dr.Soumendu Chatterjee, Presidency University
06/11/15	Applied Geomorphology in Engineering and Industrial Development: Global resource Crisis	Geography	Prof. Malay Mukhopadhyay, Visva-Bharati University

SEMINARS:

- The departments organize seminars and workshops every year. Some of the seminars are national level seminars where experts from all India are invited to deliver lectures attended by the faculty and students.
- The PG students of the college regularly participate in seminars and workshops organized by other institutions and universities. Many of them have received award in poster competition.

TABLE 2.3.6.B LIST OF SEMINARS ORGANISED

Year	Conference / Seminar	Department	Speaker/s
19/1/11	Songs of Innocence ? Delving into the Adult Concerns of Children's Literature	English, in collaboration with Susil Kar College	Binayak Bandyopadhyay-author Alumnees Dr.Chandreyee Neogi, Asso. Prof. English J.U. Dr. Shabina Nishat Omar, Milli-al- Amin College, Dept. Eng. Dr.Niladri R. Chatterjee, Asso. Prof. English .K.U. Dr. Jaya Mitra, Noted LiteraryPersonality. Dr.Sobha Chattopadhyay, Retd. Prof. Dept. of Eng. J.U. Prof. Ramakrishna Bhattacharya Retd. Asso. Prof Anandamohan.
9/03/11 - 10/03/11	Present Scenario and Future prospects of Microbiology and Biotechnology.	Botany Microbiology	Prof. Dhrubajyoti Chattopadhyay, Prof. K.R. Samaddar, Dr. Pratima Sinha(Bose Inst.), Dr.Ruma Pal(C.U. Botany), Dr.DebabrataBasu (Bose Institute), Dr. Maïtree Bhattacharya (C.U. Biochemistry), Dr.Sagarmoy Ghosh (C.U. Microbiology), Dr.SurekhaKundu (C.U. Botany), Dr. A.K. Mukherjee (Univ. of Burdwan), Dr. A. Sur (Metro Dairy Ltd.)
30/7/11	Thoughts of Rabindranath -150th of Birth Anniversary.	Physics	Dr.Subhankar Chakraborty/ Dr.Angshutosh Khan Paschimbanga Vigyan Mancha.
6-7/9/11	Ami Bichitrer Doot: RabindrajibanDristiBhabanar Barnali	Bengali	Dr.Suranjan Das(V.C.)C.U. Smt. BaniBasu, Eminent Author Prof.Pabitra Sarkar, Ex VC, RBU Prof.PallabSengupta (Retd.), RBU Prof.Susanto Das, RBU

ASUTOSH COLLEGE SSR 2015

			Dr.Chandramalli Sengupta, Asutosh College Sri Abdul Kafi, JU Sri Subhamoy Mondal, Eminent Author
13/9/11	DOEACC Computer course	ACTC	Resource person/speaker
23/11/11	Study of Environmental Science: Its Aspects and Future	Environmental Science	Dr.Chittatosh Mukherjee (Former Chief Justice) Prof. Alope Mookerjee, Flakt India Dr. Ashish Ghosh, ZSI Dr. Anjali Pal, IIT, KGP Dr.Debdas Ray, Geology, Asutosh College Mr. Jayanta Basu, The Telegraph Dr. Tapas Gupta, WBPCB Mr. Tapas Saha, IESWM Dr. P.K. Sikdar, IISWBM Dr.Udayan Bhattacharya, Env. Sc., Asutosh College Dr.Aniruddha Mukhopadhyay, Env. Sc., C.U.
10- 11/02/12	Recent Researches in Earth System Sciences	Geography & Geology	Prof. D. Mukhopadhyay, IIT Roorkee Prof. D. Mukhopadhyay, C.U. Prof. H. Betal, C.U. Prof. M. Mukhopadhyay, V.U.
5/03/12	Design yourself	Electronics	Faculties of Dept. of Electronics
5/06/12	World Environment Day	Environmental Science	Prof. Sujoy Basu-Ex Dir. School of Energy Studies, J.U. Dr. Abhishek Roy-Research Scientist DAO Chemicals USA Prof. S.C. Santra, Env.Sc., K.U. Dr. A.K. Ghosh, Centre for Env. And Development Dr. Anjali Pal, Dept. of Civil Engg., IIT, KGP Dr. Anita Chattopadhyay Gupta, Economics, Muralidhar Girls College Dr.Debdas Ray, Geology, Asutosh College Dr.Dibyendu Sarkar, Env. Management, Montclair State Univ.
13/05/13	Perspectives of Medically Important Arthropods	Zoology	Speakers: Prof. Gautam Saha, Zoology, C.U. Prof. A.K. Hati, Ex-Director, Calcutta School of Tropical Medicine
20/3/15	Gender and Identity :Some Philosophical Reflections	Philosophy	Dr.Rajashree Basu, Dept. of Pol Sc. RBU Dr.Proyash Sarkar & Dr Atashi Sinha Dept of Philosophy, J.U.
8- 9/11/13	Mathematical Contribution of Sir Asutosh Mukherjee and Current Trends in Teaching and Research	Mathematics	Prof. Jyoti Das, Retd. Professor, University of Calcutta. Prof. A. B. Roy, Retd. Professor, Jadavpur University. Prof. Chittabrata Palit, Retd. Professor, Jadavpur University. Prof. Mantosh Dasgupta, Retd. Professor, University of Calcutta. Prof. Shyamal Chakraborty, Professor,

			University of Calcutta. Ms. Debdatta Chakraborty, Guest Lecturer, Asutosh College. Prof. Sanjay Sen, Retd. Professor, University of Calcutta. Prof. Rathin Mukherjee, Retd. Professor, University of Burdwan. Prof. Mridul Kr. Sen, Retd. Professor, University of Calcutta. Dr. Indranil Mukherjee, Professor, University of Calcutta. Dr. Rajkumar Roychowdhury, Retd. Professor, ISI Calcutta. Prof. Rabin Sen, Professor, University of Calcutta. Prof. Shamik Ghosh, Professor, Jadavpur University. Dr. Asok Das, Professor, University of Calcutta. Prof. Joydeb Chattopadhyay, Professor, ISI, Calcutta. Prof. Dilip Ganguly, Retd. Professor, University of Calcutta.
14-15/12/13	UGC Sponsored Seminar Biochemical diversity Encompassing Advanced Sustainable Development	Chemistry/Biochemistry	Dr. Dhrubajyoti Chattopadhyay, Pro V.C. C.U. Dr. Aditi Nag Choudhury, Lady Brabourne College Dr. Krishna Chakraborty, Biochemistry, C.U. Dr. Santasree Majumdar, Vivekananda College
16/12/13	Lecture series in Dept of Zoology on completion of 40 yrs of Hons.	Zoology	Dr. Sandeep Poddar, Dir. Operation & Research, Lincoln College, Malaysia Dr. Anup Palit Senior Sc. NICED, KOLKATA
19-20/12/13	National Seminar on <i>Advances in Statistics: Techniques and Applications</i>	Statistics	Prof. Bimal Kumar Roy, Director, Indian Statistical Institute, Kolkata Mr. Swaraj Nath, Ex-DG, Central Statistical Office Mr. Atanu Shasan Basu, DDG, Central Statistical Office Prof. Tathagata Bandyopadhyay, IIM, Ahmedabad Prof. Sugata Sen Roy, Department of Statistics, University of Calcutta Dr. Gourangadeb Chattopadhyay, Department of Statistics, University of Calcutta Prof. Alok Goswami, Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata Prof. Probal Chaudhuri, Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata Prof. Indranil Mukhopadhyay, Human Genetics Unit, Indian Statistical Institute, Kolkata

			Prof. Arnab Chakraborty, Applied Statistics Unit, Indian Statistical Institute, Kolkata Mr. Raj GoutamMitra, Chief of Demographic and Social Statistics Section, African Centre for Statistics Dr.Rajib Acharya, Population Council, New Delhi Mr. Onkar Prasad Ghosh, DDG, NSSO Dr. Rahul Bhattacharyya, Department of Statistics, University of Calcutta Dr.Shovan Chowdhury, IIM, Kozhikode Mr. Satyaki Bhattacharyya, IBM
20/12/13	Thalassemia Awareness Programme	Biochemistry	Suchetana & School of Tropical Medicine
12/12/14	Thalassemia Awareness Programme	Biochemistry	NRS Hospital
8/2/14	Opportunities and Prospects at the National Sample Survey office	Statistics	Mr. V.K. Dubey, Deputy Director, Field Operations Division, NSSO Mr. Onkar Prasad Ghosh, DDG, NSSO
10/9/14	Emerging Paradigms in English Language	Communicative English	Mr. P. K. Chatterjee, Asst. Dire. AIR Kolkata Mr. M.K. Pradhan Reg. Dir. TOI Prof. A. Saha Asst. Prof. School of Language &Lingustic, JU
26/9/14	Pharmacovigilance and Drug Effects	Biochemistry	Suranjoy Roy, Khushbu Roy, Novartis
8/02/15	Improvement in Mathematics Teaching	Mathematics	Prof. Saugata Roy, Ex. Prof of Asutosh/GB President Dr. P.Y Rajendrakumar Dir National Library Prof.Ranjan Bhattacharya,V.C. RabindraBharati
2015	UGC- sponsored Seminar- <i>Relevance of Career-Oriented Add-on Courses in the Present day Context</i>	Add-on Courses	

TABLE 2.3.6.C LIST OF WORKSHOPS ORGANISED

Department	Topic	Date
BIOCHEMISTRY	Thalassemia Awareness	Dec, 2013
CHEMISTRY	Physical Chemistry: Instrumentation & Accuracy	Dec 02-03, 2015
	Qualitative Inorganic Analysis: Common Mistakes & Solutions	Dec 07-08, 2015
COMMUNICATIVE ENGLISH	Oral Communication Skills- conducted by Sri Sujoy Prasad Chatterjee, eminent elocutionist.	Dec 03, 2013
ECONOMICS	A workshop for students on Recent Trends in Development Economics, conducted by Sri Punarjit Roy Chowdhury of Southern Methodist University was	Aug 13, 2014

	organized by the Department.	
ELECTRONICS	For students of the department	Feb05, 2011 Mar 05, 2012
GEOGRAPHY AND GEOLOGY (JOINTLY ORGANISED)	Recent Researches in Earth System Science	Feb 10-11, 2012
JOURNALISM AND MASS COMMUNICATION	Anchoring	Jan 27-28, 2015
	Technical Details of Filmmaking, Film Publicity- <i>SaadaKaloAabchhaa</i> .	Nov 21, 2013
	Interactive Session with Students	Nov 22, 2013
MICROBIOLOGY AND BIOCHEMISTRY (JOINTLY ORGANISED)	Nano-particles preparations and their effects on microbes and macro-phage activities	Dec 02-03, 2015
PSYCHOLOGY	<i>Students' Mental Health: Issues and Challenges of the New Millennium</i>	Dec 09, 2014
	<i>Child Abuse and Neglect</i>	Aug 04, 2015

2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counselling/mentoring/academic advise) provided to students?

Academic counselling and mentoring being an integral part of the academic infrastructure of the institute it is applied in a need based situation and conducted in a humane way statistics are not always diligently maintained.

A. ACADEMIC SUPPORT- Academic supports are offered in terms of Classroom teaching, Tutorial class (100% of the students) and Remedial classes (15-20% of total students), Counselling classes (25-30% of the total students), Class test (100%), Evaluation of answer script (100%), Rectification of answers of the students as per the model answer (100%), guidelines provided for presentation of papers in the seminars and workshops (UG 5%, PG 100%).

B. PSYCHO-SOCIAL SUPPORT- The faculty members have a 1:1 interaction of all students of the Department. Departmental heads and other faculty members provide psycho-social support when the students of the concerned departments (10-15% of the students) face any psychological and social problem. A Psychotherapy unit functions in the Psychology department to help the students to overcome academic and personal stress related mental problem if any when needed.

C. GUIDANCE SERVICES: Career Development provides guidance services to the students in order to impart value added education. Professional counselling, mentoring and academic advice is imparted to the

students by the faculties and external experts. Several Career Oriented Courses are run by the College which equip the students as per the social and global needs and to make them capable of facing the competitive job market. -

- UGC approved Add-on course in Travel & Tourism, Hospital Waste Disposal Management and Industrial Chemistry (Average 120-150 students per session)
- UGC approved B.Voc. courses and Courses under the Community College Scheme (Average 100-150 students per session)
- Training for Competitive Exams (WBCS./NET/SET/SSC) (Average 150-250 students per session)
- Certificate courses in Export & Import, (Average 20-30 students per session)
- Advance Diploma Course in Safety Engineering, (Average 20-50 students per session)
- Course for Soft Skill Development (Average 20-50 students per session)
- Computer Courses, Career counselling (Average 100-250 students per session)

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The innovative teaching methods tried and tested by the faculty in this institution include:

- Participatory Teaching through field works, innovative projects, sample surveys.
- Contribution to the syllabus designing through BOS members and organizing subject wise workshop on syllabus.
- Use of overhead and LCD projectors in the classrooms.
- Use of web resources in some departments.
- Use of image processing software, GIS software, microscopic photographic attachment.
- Organising subject-oriented departmental seminars by eminent scholars, scientists and renowned faculty of other colleges.
- Organising workshops like design yourself, entrepreneurship programmes etc.
- Subject-related film shows followed by discussions.
- Through visits to different industries and research institutions, laboratories.
- The department libraries (seminar libraries) are constantly used by the faculty and students for the enhancement of teaching and learning. Lending facilities are available at the departmental libraries. The teacher who is in charge of each departmental library allots one period per week for distributing books to students, according to their needs.

- Use of group discussion, Brain storming, Role Play, Poster Wall Magazine etc., as part of class room teaching.
- Focus on student-centered learning through regular interaction.



Microteaching in the Dept. of Psychology

Efforts made by the institution to encourage the faculty to adopt new and innovative approaches:

- Arranging well equipped laboratories with modern facilities and instruments.
- Providing ICT enabled teaching learning tools for faculty members. With the state-of-the-art gadgets like LCD, laptop, smart board, webcam, handy-cam, camera, microphone etc., the institution seeks to engage and inspire learners.
- All Departments in the institution is with at least one PC with internet connectivity.
- The institution has also created awareness among the faculty and staff regarding the use of ICT resources and has provided necessary training for e-content development.

- Purchasing text and reference books in the central and departmental libraries. The books are regularly purchased both in Central Library and departmental libraries.
- During syllabus changes, new text books and related references are bought immediately to cater to the needs of the students as well as faculty.
- Motivating the faculty members to participate in refresher course or orientation programme, seminar, workshop and conferences, research work and publication.
- FDP facility for teachers.
- Introducing new academic programmes and innovation in curriculum design.

Impact:

- Teaching and learning innovation has been incorporated not only on the delivery of the content, but also on the medium through which it is delivered.
- Technology has also changed the way teachers teach, offering educators effective ways to reach different types of learners and assess students grasp of the subject taught through multiple means.
- It has enhanced the relationship between the teacher and the student. When technology is effectively integrated into subject areas, teachers are elevated to the roles of advisor, content expert and mentor.

CASE STUDY

CASE STUDY I

In Botany (Hons) in the last academic session only 2 students out of 24 could get 1st class (60%) marks in the Part I examination (8.3%). However, in this session most of the teachers used technology based teaching (LCD and PowerPoint, Overhead projector, animation films, etc.) which made the topics easy to understand. As a result 12 of the 43 students (28%) got 1st class marks this session.

CASE STUDY II

Use of technology in teaching also has attracted students and increased their attendance in class. In a case study, 2ND Year Microbiology (Hons) students were more attracted in Cell Biology classes which were taught using PowerPoint presentation than in Air or Water Microbiology classes which was taught using chalk and blackboard. It was observed that attendance increased by more than 70% in Cell Biology classes which prompted the teacher teaching Air and Water microbiology to adopt technology-based teaching process.

2.3.9 How are library resources used to augment the teaching-learning process?

The Central Library, the core Learning and Teaching Resource Centre of the college has 11403 books in the lending section, 1780 reading library books, 15230 seminar library books, 5 journals, many CDs/DVDs on documentary films that provide effective support to teaching, learning and research across a wide range of disciplines.

TABLE 2.3.9A DETAILS OF LIBRARY FACILITY

A. Main Building: Central Library	
Total area of the library	Central library (Main Building) : 2990 sq. ft.
Total seating capacity	80
Working hours	The library remains open from Monday to Saturday. The service time is from 11.30 am to 05.00 pm. It also remains open during the summer recess.
Layout of the Library	The Central Library has an internet section, reading room, reference section, reprographic section, newspaper reading section, technical section, periodical and magazine section, Asutosh Corner, archive.
B. ACTC Building: Reading Library	
Total area of the library	Reading library (ACTC Building): 2100 sq. ft.
Total seating capacity	74
Working hours	The library remains open from Monday to Saturday, from 11.00 am to 04.30 pm. It also remains open during the summer recess.
Layout of the Library	The Reading Library (ACTC Building) has a separate reading room, Braille Book section, magazine section, Web OPAC facility.
C. Centenary Building: Centenary Library	
Total area of the library	Centenary library (centenary Building) : 2500sq. ft.
Total seating capacity	25
Working hours	The library remains open on Monday to Saturday. The service time is from 11.00 am to 05.00 pm. It also remains open during the summer recess.
Layout of the Library	In the Centenary Building there exists the Centenary library (e-Library, Reading Room, Reprographic System) for the Post Graduate students.
D. Second Campus: Currently in the process of being developed	

A. Purchase and Use of Books

The library procures books, periodicals, e-books, e-journals etc. on the recommendations of the faculty members, students and these recommendations are to be approved by concerned HoDs and the Principal.

TABLE 2.3.9B : AMOUNT SPENT ON PROCURING NEW BOOKS, JOURNALS AND E-RESOURCES DURING THE LAST FOUR YEARS.

Library Holdings	Year – 1 (2015-2016)		Year – 2 (2014-2015)		Year – 3 (2013-2014)		Year – 4 (2012-2013)	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
Text books	300	2,60,673/-	2131	13,08,433/-	691	3,34,927/-	1295	5,70,321/-
Reference books	30	10,250/-	14	2,954/-	5	1,240/-	10	11,986/-
Journals/ periodicals	30	30,713/-	5	4321/-	4	3189/-	Nil	NA
e-resources	N-LIST CD DVD	5,000/-	N-LIST CD DVD	5,000/-	Free Resources over Internet	NA	Free Resourc es over Internet	NA
Any other (specify)	Newspap er, Employ ment News	2,750/-	Newspa per; Employ ment News	5,059/-	Newspaper And Employe ment News	2,125/-	Newspa per Employ ment News	1,491/-

- All the departments maintain well-stocked reference books in departmental seminar libraries for Honours students to facilitate in-depth study of the respective subject.
- Additional reading habit is cultivated in students by suggesting reference books to complete their assignments and project work.
- The faculty motivate students to use the library resources to intensify their knowledge in their chosen subjects and also regarding the latest developments in the same.

- In the Central Library, there is a separate facility for reading. The reading library also contains a good number of books on most of the subjects.
- The library uses various ICT tools like photocopiers, scanners, printers etc to help students.
- With the advancement of Information and Communication Technologies, the library also extended its acquisition and service dimension towards ICT based resources. It has INFLIBNET (N-List) facility for accessing 90,000+ e-books and 5700+ full text, e-journals and the number is increasing regularly. The College library has Institutional membership with the British Council Library.
- The library provides Web-OPAC of Asutosh College Library. <http://www.accskol.in/>
- Book Fairs are regularly organized by library to provide the opportunities to see new books in hands to the faculty and students.

TABLE 2.3.9C BOOK FAIRS/EXIBITIONS ORGANISED

Date	Book Fair / Book Exhibition
28-29/09/11	Book Fair, Central Library
16-17/08/2012	Book Exhibition, Central Library
29-30/01/2013	Book Fair, Central Library

2.3.10. Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

The data of the last four years show that out of the total classes allotted, **90%** of the classes have been taken and the number of teaching days is around 180(UGC stipulated teaching days of 180 per year). List of number of working days and number of teaching days of last four years:

TABLE 2.3.10. NO. OF WORKING AND TEACHING DAYS (LAST 4 YRS)

Year	No. of Working Days	No. of Teaching Days
2015	235	170*
2014	283	192
2013	271	187
2012	260	189

* TILL 1ST DECEMBER 2015

➤ **CHALLENGES ENCOUNTERED:**

Occasionally, however, we face some challenges in completing the syllabus within the stipulated time period due to various reasons, the chief being the college building being used as a centre for the Calcutta University examinations. The others include:

- The same building is shared by three colleges. As a result, the college building is requisitioned by either of the three colleges as a Centre of all University Examinations (Part-I + Part-II+ Part-III Honours and General). **Establishment of 2nd campus will ease out this challenge.**
- Additional pressure on the teachers (like organising examinations as invigilators, head examiners, external/internal examiners, scrutineers) sometimes makes the task of completing the syllabus within the allotted time very difficult.
- The college building is also requisitioned for General/KMC elections, both as a polling booth and for training purposes of election personnel.

➤ **STEPS TAKEN**

Any loss of working days/teaching days due to unforeseen reasons is always duly taken care of by holding classes in holidays on departmental basis. Thus on whole there is little or no challenge in completion of the curriculum within the planned time frame and calendar.

In order to minimize the problem, during college and University examinations, the respective departments arrange special classes, and classes during study-leave period. Guest lecturers have been appointed in the departments which are suffering from staff shortage.

2.3.11 How does the institute monitor and evaluate the quality of teaching-learning?

- Monitoring the daily basis performance of teachers by the Principal on the basis of a structured format.
- Monitoring of students' attendance by the department, Principal and communication to parents, if needed.
- Assessment of teachers through multi-cornered feedback e.g. students' feedback, parent-teacher interaction, university results.
- Maintenance of academic diary by faculty members.
- The subsequent absorption of our students into institutes of higher studies or other professions. From the results of college and university examinations the quality of our existing teaching-learning process is evaluated.

- On the basis of this assessment necessary changes are introduced in the teaching-learning process.

2.4 TEACHER QUALITY

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resources (qualified and competent teachers) to meet the changing requirements of the curriculum.

The following tables show qualifications of the teaching staff and the number of substantive posts, the number of faculty in position and number of vacancies against the courses as on date.

TABLE: 2.4.1A QUALIFICATION OF TEACHING STAFF

Highest Qualification	Professor (PRINCIPAL)		Associate Professor		Assistant Professor		Total
	M	F	M	F	M	F	
PERMANENT TEACHERS							
D. Sc/D. Litt.							
Ph. D	1		6	10	10	9	36
M. Phil			1	2	3	-	06
PG			2	4	7	2	15
CONTRACTUAL WHOLE TIME TEACHERS (CWTT OF GOVT. OF WB)							
D. Sc/D. Litt.							
Ph. D					10	11	21
M. Phil/MTech **					4(2**)	2	06
PG					9	10	19
PART TIME TEACHERS (PTT OF GOVT. OF WB)							
D. Sc/D. Litt.							
Ph. D						1	01
M. Phil					3	1	02
PG					3	6	9
GUEST TEACHERS							
D. Sc/D. Litt.							

Ph. D					3	3	6
M. Tech					6	4	10
PG					12	16	28

TABLE 2.4.1B STATUS OF SANCTIONED/FILLED/VACANT SUBSTANTIVE POSTS

Substantive Posts Sanctioned	Substantive Posts Filled	Vacancy
87	56	31

* Conversion of posts and sanctioning of new posts is in process.

PLANNING & MANAGEMENT OF HUMAN RESOURCES:

A. RECRUITMENT AND RETENTION:

Retired Faculty members are approached to extend their support to the departments.

TABLE 2.4.1C RETIRED FACULTY ASSOCIATED WITH TEACHING

Name	Designation
Dr.Bhabani Sankar Joardar	Reader (Retd.), Dept. of Zoology, Asutosh College
Prof. Bikash Chandra Pal	Associate Professor, (Retd.). Dept. of Physics, Asutosh College
Dr. Jayanta Deb Biswas	Reader (Retd.), Dept of Geography, Asutosh College
Dr. Dipak Sen	Reader (Retd.), Dept of Chemistry, Asutosh College
Dr. Debdas Roy	Associate Prof. (Retd.), Dept of Geology, Asutosh College
Prof. Angsutosh Khan	Associate Prof. (Retd.), Dept of Physics, Asutosh College
Dr. Asok Kumar Roy	Associate Professor (Retd.), Dept of Geography, Asutosh College
Dr.Sudhansu Kumar Koley	Associate Prof. (Retd.), Dept of Geography, Asutosh College

- In the last five years, the college has created more than 51 teaching posts on full-time contract basis out of which 19 have been approved by the state government as contractual whole-time teacher (CWTT) since January 2011, the financial liability being borne by the state government.

The rest full-time 32 posts have also been partially filled up by appointing teachers according to the recommendations of the expert committee constituted for the purpose. Their salaries are being disbursed from the college fund.

- In addition to that, the college has appointed 14 Teachers fulfilling UGC qualifications of which 6 part-time teachers (PTTs) have received approval of the state government (with financial liability). The salaries of remaining 8 teachers are disbursed from the college fund.
- Besides, a good number of working and retired senior faculty members from different universities and institutes are teaching as visiting faculty in the various departments of the college.
- 46 Guest Teachers are teaching in different UG and PG Departments and about 20 Retired Senior Faculty members are regularly taking classes in PG Departments.

B. REVITALIZATION:

The college provides the opportunities to the qualified competent teachers to revitalize themselves from time to time by permitting them to attend

- Orientation course
- Refresher course
- Faculty Improvement Programmes (FIP)
- Postdoctoral research programmes in and outside the country
- Syllabus-oriented workshops organized by the university

Some faculty members are also the members of the Board of Studies of the University in their respective subjects. So they are actively involved in the design of new curriculum and put forward innovative ideas on how to address the needs of the changing curriculum.

2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

During the last few years college has introduced three post graduate courses in Bengali, Geology and Computer Science. Add-on courses in Industrial Chemistry, Travel and Tourism, Hospital Waste Disposal Management have also been introduced. Diploma courses under UGC-approved Community College scheme have also been introduced like Mobile Communication and Software Development. UGC-approved B.Voc courses in Software Development and Industrial Aquaculture and Fisheries have also been introduced in recent years. P.G Courses through Distance Education Centre of Vidyasagar

University have been introduced in English, History, Political Science, Commerce and Environmental Science.

To meet the requirements of additional faculty for different newly introduced courses, whole time contractual, Part-time and guest lecturers have been appointed. Retired teachers of Universities and research scholars are invited to deliver short-term courses. Ex-students of the college who are actively associated with research are encouraged to deliver lectures. These departments are at present run by contractual, part time and guest lecturers, co-ordinated by some senior faculty members of the college.

Modern emerging subjects are being taken care of by inviting the faculty from University, research institutions, industry as well as existing faculties of related departments are being encouraged to participate in training courses, enrichment courses and workshops to be competent to teaching learning and evaluation in these areas.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

The strategies adopted by the institution in enhancing the teacher quality during the last four years are enlisted below:

A. NOMINATION TO STAFF DEVELOPMENT PROGRAMMES

TABLE 2.4.3A NUMBER OF FACULTY PARTICIPATING IN STAFF DEVELOPMENT PROGRAMMES (LAST 4 YEARS)

Academic Staff Development Programmes	No. of Faculty Participated
Refresher courses	6
FDP	3
Orientation programmes	5
Staff training conducted by other Institutions	2
Summer/Winter Schools, Workshops, etc.	21

The College management encourages all initiatives related to the development of its staff and faculty. Teachers are given sanctioned study leave for research purposes, on duty leave for attending national or international conferences/seminars/workshops and presenting research papers in such conferences, and seminars, for faculty retraining programmes like refresher courses, orientation programmes organized by Academic Staff Colleges (Human Resource Development Centre) of various universities.

B. FACULTY TRAINING PROGRAMMES ORGANIZED BY THE INSTITUTION TO EMPOWER AND ENABLE THE USE OF VARIOUS TOOLS AND TECHNOLOGY FOR IMPROVED TEACHING-LEARNING.

1. TEACHING LEARNING METHODS/APPROACHES- Faculty members participate and act as resource personnel for the Orientation and Refresher Courses which are part of a standard procedure for enhancing innovative teaching skills of a teacher. These courses are developed and conducted by Academic Staff Colleges (HRDC) of various universities and teachers avail Duty Leave to attend them.

2. HANDLING NEW CURRICULUM: The University of Calcutta organizes workshops when a new syllabus is introduced or when the existing syllabus is upgraded by the introduction of a new topic, in order to familiarize the teachers with the changes. Senior Faculty Members provide necessary support to newly appointed teachers to effectively handle the curriculum.

3. CONTENT/KNOWLEDGE MANAGEMENT: Subject content is developed by faculty members based on the syllabus guidelines. Faculty members exchange information regarding their ideas and experience with other faculty members which facilitates knowledge management. Invited Lecture series in many departments involving faculty members and eminent scholars and academicians also help in this process.

4. SELECTION, DEVELOPMENT AND USE OF ENRICHMENT MATERIALS: The following methods are adapted for selection, development and use of enrichment materials:



Students interacting with Prof. Debayan Basu & Mr. Subhajoy Roy, college alumni

- Seminars and workshops are organized to enhance the performance of existing faculty members. Teachers are encouraged to participate in enrichment programmes;
- Use of Internet facility to access information, data and e-books;
- Use of ICT tools such as LCD, laptop, photocopiers, scanners, printers, etc.;
- Use of image processing software, GIS software, microscopic photographic attachment;
- Participation in regular educational excursions;
- Visiting different industries and research institutions, laboratories.

5. ASSESSMENT: The impact of faculty enrichment is directly felt in improved teaching and is under the purview of the Heads of departments. HoDs of the departments meet with respective faculty members on a regular basis and discuss improvements that need to be made. Student and parent feedback have also been introduced, the information from which is discussed among the faculty members if and when required.

6. CROSS CUTTING ISSUES: Inter-departmental Seminars are organised. Teachers attend seminars on interdisciplinary issues. Faculty members take the assistance of audio-visual aids/IT/Software/computer applications from the IT department and experts of other departments.

7. AUDIO-VISUAL AIDS/ MULTIMEDIA: Most faculty members are properly trained in the use of audio-visual aids and provided with the necessary assistance. Many others undergo computer training programmes and are supported by the IT section and computer science department at different stages and developed a level of on-job skill that has direct impact on class presentation through audio-visual medium.

8. OERs: The teachers make ample use of open educational resources like e-books, internet facilities and free software to improve curriculum delivery. Many teachers use downloadable animations from YouTube for demonstrating in class room. The students are also encouraged to access these facilities.

9. TEACHING LEARNING MATERIAL DEVELOPMENT, SELECTION & USE: Though most faculty members have not been formally exposed to any training programme for content development but many faculty members in their capacities as resource persons in refresher courses developed content with reference to their competence. Moreover, most faculty members use free e-content for development of their class material and class presentations.

TABLE 2.4.3B NUMBER AND PERCENTAGE OF FACULTY PARTICIPATION IN WORKSHOPS/ SEMINARS/CONFERENCES

	No.	Percentage
Invited as resource persons in Workshops / Seminars / Conferences organized by external professionals	16	9%
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies:	63	35%
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies.	68	38%

2.4.4 What policies/systems are in place to recharge teachers? (eg., providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

POLICIES:

Providing Research Grants:

Teachers are encouraged by management under the supervision of IQAC to apply for Minor and Major Research Projects from UGC/CSIR/ICSSR/Other Bodies.

TABLE 2.4.4A RESEARCH GRANTS RECEIVED BY TEACHERS (LAST 4 YEARS)

Nature of the Project and Funding Agency	Year	Title of the Project	Grant Sanctioned/ Received
UGC-Minor Research Project (Bengali)	2014-16	<i>Swadhinata Purba Bangla Sahityer Itihase Mahila Sahityikder Parichay, Sahitya Shristi o Abodan: Sandhan o Samikshabhattik Alochona- Minor RP- UGC</i>	Received: 7,77,400/-
	2011-13	<i>UdvidPrani o Jibananada Das- er Kabita: Sandhan, Niriksha o ekti Notun Path – Interdisciplinary Minor Research Project</i>	
UGC-Minor Research Project (Botany)	2011-13	Study of Potential Microalgal source from waste-water bodies of Kolkata and adjacent areas for biomass production using waste water	Received 3,48,750/-
	2014-	Study of Toxicity and Heavy Metal removal potential of some microalgal species isolated from waste water	

		and heavy metal removal from Tannery Effluents of Kolkata	
	2010-11	Study of Phytotoxicity and accumulation pattern of irrigation contaminated heavy metals in some selected crops and vegetables in Malda district, UGC-Minor RP	
UGC-Major Research Project (Botany)	2011-14	Profile Study of Peptides and Antioxidants of Mulberry leaves in relation to their Potential in Artificial diet-rearing System of Silkworm, UGC-Major RP	Received: 7,22,930/-
UGC-Minor Research Project (Env. Science.)	2013-15	Isolation and Characterization of Slurry Microbes in Relation to Pollutants from City Drains of Different Zones of Kolkata & its Adjoining Areas & Study of their Effect on Animals and Plants- Minor RP-UGC.	Sanctioned: 9,95,000/-
	2014-16	An Extensive Analysis of the Pesticide's and Herbicides' Effect on Common Weeds Available in the Agricultural Fields of North 24Parganas, WB, in Support of Antioxidative & Molecular Biological Parameters.	
UGC-Minor Research Project (Geography)		An Analysis of Gender Disparity in Literacy and its Reflection on Social Stratification: A Comparative Study of Haora Sadar Subdivision, Haora District and Barasat Sadar Subdivision, North 24Pgs, West Bengal, UGC-MRP . Study of Socio-economic Conditions and Healthcare Facilities of Ageing Population in West Bengal- UGC-Minor RP	Received: 4,72,000/-
ICSSR-Major Project	2012	Strategies for Conservation of Natural Resources in Kurseong Subdivision in Darjeeling district of West Bengal, ICSSR-MAJOR. (Jointly with Prof. M. M. Jana, Visiting Professor)	Received: 6,20,275/-
UGC-Minor Research Project (Geology)	2010-12	Study of depositional setup, and provenance analysis of the Middle Siwalik sequence at the Lish River Section, around Bagrakot, West Bengal, India. UGC-MRP	Received: 1,47,000/-
	2011-13	Application of green technology for the sustainable development of abandoned mine sites	Received: 1,66,000/-
ISRO Major Project	2014-16	Structural patterns within the Noachis Terra: Implication on Martian tectonics. <ul style="list-style-type: none"> • Collaborator: Dr. Prakash Chauhan, Scientist - SG & Head, PMD, MPSG/EPISA, Space Applications Centre (ISRO), Ahmedabad • Co-investigator: Dr. Nilanjan Dasgupta, Associate Professor, Department of Geology, Presidency University. One Junior research fellow is working] 	Received: 10,50,000/-

UGC-Minor Research Project (Microbiology)	2014-16	Evaluation of Biocontrol Activity and Molecular Mechanism of Antagonistic Bacteria against Fungal Diseases, GC-Minor RP.	Sanctioned: 4,90,000/-
UGC-Minor Research Project (Psychology)	2014-16	Evaluation of Organizational Factors Affecting Behavioural and Personality Patterns of Professionals belonging to different Sectors: A Comparative Analysis of Academic, Banking & IT Professionals of Kolkata Metropolis, UGC-Minor RP Tagore's Geetanjali: The Prophet's Worship, UGC-Minor RP Cognitive Evaluation of Dwelling Environment: Perception, Attachment, Preference & Satisfaction: A Comparative Analysis of Town & Village Community of West Bengal, UGC-Minor RP.	Received: 6,12,500/-
UGC-Minor Research Project (Zoology)	2013-15	Cellular, Histopathological and Biochemical Response in some organs of a major Carp, <i>Labeorohita</i> (PSW-038/13-14 ERO).	Received: 2,57,500
UGC-Minor Research Project (Mathematics)	2014-16 2011-13	A Brief history and development of abstract algebra: A case study on applications in different fields Mathematical approaches to study some challenging problems of environmental science	Sanctioned: 4,45,500/-

Study Leave:

- The institution grants special study leave for project related work. In the last four years teachers from the departments of Political Science, and Philosophy had been under FDP leave.

Participation in Faculty Improvement Programme:

- Teachers are granted leave for participation in UGC-sponsored faculty improvement programmes.
- Faculty members regularly take part in orientation and refresher course programmes arranged by the Academic Staff Colleges (HRDC) of different universities.
- In the last four years, faculty members from the departments of Geology, Philosophy, Statistics and Sanskrit have taken part in these programmes.
- Two faculty members from Geography obtained Certificate Training Programme on GIS.

Support for Research and Publication in other National Institutions:

- All sponsored seminars publish proceedings which incorporate research papers presented at the seminar. Institute readily grants duty leave for the teachers to attend national and international seminars/workshops to build up their research skills.

- More than 25 Faculty members have participated in different National and International Workshops and many of them were Resource Persons.
- In last four years approximately more than 70 Faculty members presented papers in National Seminars and about 25 Faculty presented papers in International Seminars.
- TA to faculty are approved for attending National and International Seminars.

Participation in Teaching Programmes:

- The Principal always gives ready permission to any faculty member invited as teachers/resource persons.
- Many teachers are associated with the teaching in Master degree courses (M.Sc. and M.A.) in Vidyasagar University (distance learning run by Asutosh College). The Faculty members of Department of Environmental Science, English, History and Political Science, Asutosh College are associated with the DDE centre of Vidyasagar University at Asutosh College.
- A few of the teachers are involved in teaching at different institutions under WB University of Technology, WB State University, Calcutta University, Presidency University and other universities such as Faculty from Communicative English, Computer Science, Bengali, Botany and Geology are engaged in teaching programme in different universities.

Industrial Engagements:

Some of our teachers extend their help to different industries and actively involved in NGO's and other Social Initiatives. Faculty members from Electronics and Computer Science of Asutosh College are actively involved with various industries.

FACILITIES:

To recharge teachers college has developed following facilities:

- Arrangement of separate Laboratory space for research work in Main Building as well as in Centenary Building.
- Subscription of some Research Journals, e-Journals.
- Setting up of BOOST laboratory sponsored by DBT West Bengal equipped with latest instruments for Biotechnology work like High Speed Cold Centrifuge, Spectrophotometer, Western Blotting apparatus. Thermal cycler, DNA and Protein gel apparatus, Trans-illuminator etc. with other infrastructural facilities.
- INFLIBNET N-LIST programme,
- Arrangement of Internet facility, Wifi, generator for uninterrupted power supply.
- TA to attend Seminar/Symposia/Workshops.

- Study leave for any faculty improvement/enrichment programme.

OUTCOME:

TABLE 2.4.4. B RESEARCH AWARDS RECEIVED BY FACULTY (LAST 5 YEARS):

DEPARTMENT	NAME OF FACULTY	PH. D./ M. PHIL	YEAR
BENGALI	DR. MANAS KABI	PH. D. KALYANI UNIVERSITY	2010
ECONOMICS	DR. MANIPARNA SYAM ROY	PH. D. JADAVPUR UNIVERSITY	2011
ELECTRONICS	DR. SOURAV KUMAR BHOWMICK	PH. D. JADAVPUR UNIVERSITY	2014
GEOGRAPHY	DR. SAYANI MUKHOPADHYAY	PH.D. CALCUTTA UNIVERSITY	2013
HISTORY	SMT. SEBANTI BANDYOPADHYAY	M.PHIL. CALCUTTA UNIVERSITY	2013
PHILOSOPHY	DR. CHANDRIMA BHAR	PH. D. JADAVPUR UNIVERSITY	2014
SANSKRIT	DR. ARNAB PATRA	PH. D. JADAVPUR UNIVERSITY	2011
	DR. DEEPA BANDYOPADHYAY	PH. D. JADAVPUR UNIVERSITY	2010
	SRI BHUTNATH JANA	M.PHIL., JADAVPUR UNIVERSITY	2015

- Approximately 25 teacher members are pursuing Ph.D. work after registration in different universities or institutes.
- 7 completed Ph.D. and 2 completed M.Phil. / M.Tech. in last four years.
- 4-5 Faculty Members are working as co-guide of PhD and M.Phil. of different Universities like Calcutta University, Jadavpur University, Netaji Subhas Open University.
- 17 faculty members acted as expert/resource person in different seminars / workshops held in their respective field of research activity in state, national and international level.
- About 70 and 24 faculty members presented papers in national and international Seminars / Conferences, respectively.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

The college authority provides continuous encouragement and administrative support to the faculty to excel in teaching and improve their teaching skills. As recognition of the continuous excellence in the education system the college has been recognised by:

A. Received **THE MOTHER TERESA INTERNATIONAL AWARD** as the **BEST COLLEGE** of the Year 2012.

B. The India Today-Nielson Survey as **THE 2ND BEST COLLEGE IN KOLKATA IN SCIENCE TEACHING IN 2014.**

LIST OF AWARD WINNING FACULTY

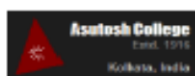
- **Dr. Supatra Sen** of the Department of **Botany** is the recipient of the *Environmentalist of the Year* Award (2015) given by the Scientific and Environmental Research Institute and Confederation of Indian Universities, New Delhi.
- **Dr. Sruti Karmakar** of the Department of **Environmental Science**, won the *Dr. H. Sen Best Poster Presentation* Award instituted by the Indian Society of Coastal Agricultural Research.
- **Dr. Surjya Sarathi Bhattacharyya** of the Department of **Physics** was elected World Class University (WCU) Fellow by the Information and Display Laboratory, Dept. of Polymer and Nano Engg., Chonbuk National University, South Korea, from 2009-2011.
- **Dr. Surjya Sarathi Bhattacharyya** was also declared CNRS Scientist by the Institute de physique et Chimie des Materiaux de Strasbourg, Cedex, France.
- **Dr. Tinni Dutta** of the Department of **Psychology** received
 - (i) *Sahitya Pantha Purashkar* for her book *Rabindra Gaane Prakriti* (2015);
 - (ii) *Rashtriya Gaurav* Award from India International Friendship Society (2014);
 - (iii) *Annadashankar Roy Smriti Samman* for her book *Rabindra Bhavnaye Prem* (2013);
 - (iv) *Ardhendu Kumar Chaudhry Smriti Puraskar* for analytical writings on Tagore (2012);
 - (v) *Sahitya Jagat Puraskar* for the book *Antarbritter Aloy* (2012).
 - (vi) *International Gold Star Awaed Certificate of Excellence for meritorious service, outstanding performance and remarkable role from India.*
- **Dr. Sajal Bhattacharya** of the Department of **Zoology** received the *Mother Teresa International* Award (2014) for his contribution in the field of education.
- **Dr. Sajal Bhattacharya** has also been honoured with a biographical sketch entitled *Dr. Sajal Bhattacharya: An Outstanding Medico-entomologist* published by the Centre for Research in Medical Entomology (2015).

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

STUDENT EVALUATION: The institution has recently introduced an evaluation system of teachers, teaching learning process and infrastructure by students and external peers. Feedback forms are circulated among students of each year in class, among parents in parent teacher meeting and to alumni when possible. Feedback forms are also uploaded in the college website and can be downloaded for filling in by students and stakeholders. The student and feed- back information is scrutinized by the

teachers/Principal and appropriate steps are taken by the individual teachers. The data is analysed and shared with the faculty members.

OUTCOME: As per feedback, college authority motivates teachers for better teaching practice and student centric learning such as interactive teaching, tutorial, more participation in interaction outside the class room. Principal, head of the departments and senior faculty members interact with the teachers for betterment of teaching learning mechanism to satisfy the demand of the students.



ASUTOSH COLLEGE
92, S.P. MUKHERJEE ROAD, KOLKATA-700026

STUDENT FEEDBACK FORM

Name:

Course:

Department:

Year:

Please rate the College on the following (Tick mark on relevant boxes)

Sl.	Item	Excellent	Good	Average	Poor	No comments
1	Academic ambience					
2	Discipline					
3	Regularity of Classes					
4	Regularity of College exams					
5	Interaction with Teachers					
6	Interaction with Administration					
7	Interaction with Students Union					
8	Student Teacher Relation					
9	Classroom/Laboratory Facility					
10	Library Facilities					
11	Computer Facilities					
12	Washroom facility					
13	Canteen Facility					
14	Extra-curricular Activities					
15	Sports Activities					
16	Creative Facilities					
17	Health Care Facility					
18	Common Room Facility					
19	Career Counseling Facility					
20	Placement Cell Facility					
21	Intellectual Advancement					
22	Overall Assessment					

Comments:

2.5. EVALUATION PROCESS AND REFORMS

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation process?

The institution ensures awareness about the evaluation process and reforms to its faculty and the students through the following:

- Official notices circulated to teachers and students
- Class notices to each class
- Central and departmental faculty meeting
- Teacher-student interaction in class
- One to one teacher-student interaction
- Showing evaluated answer scripts to students after each exam
- Discussion of performances in class tests and selection tests
- Departmental parent teacher meeting
- Internal assessment system in post-graduate section
- Prospectus
- Academic calendar
- University circulars

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

There are the following levels of teaching and evaluation in the institution:

- At the undergraduate level the institution is under the University of Calcutta and follows the university's prescribed format of 1+1+1 Annual Examination System, in place since 2009.
- In general, the subjects have 16 modules in 8 papers and the students are evaluated through the theory and practical examinations in class tests, mid-term tests, selection tests and university examinations. In the theory examinations, the students are allowed 2 hours for 50 marks examination and 4 hours for 100 marks examination.
- In the practical examinations, the students are allowed 4 hours for 50 marks and 6 hours for 100 marks. In the post graduate level, examination is conducted in 4 semesters.
- The postgraduate level in six subjects, viz. Environmental Science, Zoology, Geography, Bengali, Applied Geology And Computer Science (autonomous and affiliated to University of Calcutta);
- Semester system of examination of 1000 marks in two years is followed in PG studies. Credit system is followed in evaluation.

- Distance mode postgraduate courses in English, History, Political Science, Commerce and Environmental Science (through Distance Education Centre of Vidyasagar University); Annual system of examination is followed.
- UGC-approved B.Voc. and Community College schemes: Semester System of Examination and choice based credit system are followed.

THE INSTITUTION HAS ADOPTED VARIOUS REFORMS CONCERNING EVALUATION.

- Same pattern of question papers as in the University examinations, are used in-house examinations. In the midterm and selection tests at the undergraduate level, the institution follows the university pattern of questions.
- Class tests and tutorials are conducted to evaluate the performance of students.
- Group discussion, PowerPoint presentations and class room seminars are organized to improve the understanding of basic concepts and presentation skills of the students and to broaden their conception of the subject.
- Interactive sessions are held in class room through teacher-student discussion on the topics taught.
- In some cases, peer tutoring is undertaken in which a student, with guidance from a teacher, helps one or more students at the same level to learn a skill or concept.
- Dissertation projects are made at the postgraduate level too. These enhance the future potentialities for research work and many projects related to these dissertations are beneficial to the society.
- In selected subjects, field reports and projects are prepared at the undergraduate and post graduate levels based on studies in excursions.
- The evaluation of practical examinations is conducted through laboratory experiments, project works, field reports, computer based work, instrumental survey techniques and RS &GIS software operations and viva voce. (The last one is applicable for Geography).
- The *Viva Voce* system in the practical examinations of selected subjects, at both the levels of teaching-learning, increases the efficiency of students in different aspects.
- At the postgraduate level points and subsequent grades are awarded based on SGPA and CGPA system in 4 semesters along with detailed marks. This enables the students to appear in NET, SET, GATE and other competitive, academic and professional examinations.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the University and those initiated by the institution?

At the undergraduate level the institution strictly follows the instructions of Calcutta University in the implementation of the reforms. The departments follow the reforms initiated by the University. In general, these reforms are implemented through notifications in college prospectus, departmental notices and departmental rules and also through specific regulations in the post graduate section.

The college strictly follows the examination patterns of Calcutta University at the undergraduate level. There are undergraduate examination committee and academic sub-committee. The college arranges for midterm and selection tests for each year at the undergraduate level.

The post graduate section is autonomous affiliated to the University of Calcutta. Each post graduate section has its own P.G. Expert Committee comprising of V.C. nominated member and Principal nominated member (as external members), Head of the department of respective subjects (as ex-officio chairperson) and internal departmental faculties (one of them is convenor). This committee controls the syllabus content change, moderation and alteration, examination patterns etc. with consent of the Departmental Committee. The controller of examination at the post graduate level conducts and controls the semester examinations.

2.5.4 Provide details on the formative and summative assessment approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

➤ FORMATIVE ASSESSMENT:

For formative assessment, the college arranges class tests, mid-term tests and selection tests. Students are shown the assessed answer-scripts and advised to rectify their mistakes and shortcomings. The college and individual departments also arrange extra classes and special classes for academically weak students. Viva-voce, practical examinations, field work and excursions and dissertation projects are arranged to evaluate the students' performances. The evaluation through these methods gives the teacher a direction to guide his/her students taking into consideration their level of understanding.



Annual Prize Distribution Ceremony

➤ SUMMATIVE ASSESSMENT:

For summative assessment the performance at the undergraduate level is gauged in the university examinations. In postgraduate courses the Controller of Examinations, faculty members and members of

the Postgraduate Expert Committee conduct the semester examinations and evaluate the students. Internal assessments are made based on pre-decided prescribed norms.

The answer sheets of the students with good score are discussed and shown in the classes to the other students so that they get motivated to perform better next time. The students who get the maximum marks in each subject and overall aggregate in the university examination (in B.A., B.Sc., BBA, MSc, MA, B.Com.) are awarded prizes in the Annual Prize Distribution Function of the college. This serves as an incentive for better academic performance.

The weak students are given special care through special classes within the college hours and remedial classes beyond the college hours to enable them to perform better in college and university examinations.

CASE STUDY

CASE STUDY I

A student of Microbiology (Hons.) Semanti Pal got 68% marks in Part I (Hons). Regular support and teaching materials from teachers helped her to secure 81.25% marks in 3rd Year (Hons) and she stood 1st in Calcutta University.

CASE STUDY II

A student of Botany (Hons.) Upama Chakraborty got 96 (49%) in Part I (Hons.). For regular and rigorous counselling, the teachers regularly interacted with the student, gave her special teaching plan, made her take tests. The student improvised and got 480 (60%) in Part-III and is now doing her Masters.

CASE STUDY III

Another student of Botany (Hons) D. Aswin got 105 (52%) in Part I. She suffered a personal loss and was suffering from mental depression. However after personal counselling and support by the teaching staff the student got 434 (54.5%) in Part III and is now pursuing her Masters in Human Genetics in Andhra University.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and the weight age assigned for the overall development of the students (weightage for behavioural aspects, independent learning, communication skill etc.)

TRANSPARENCY IN INTERNAL ASSESSMENT IS SINCERELY MAINTAINED THROUGH:

- Strict and thorough invigilation system
- UG and PG level scripts are assessed by several teachers ruling out any possibility of under/over marking. PG departments have in place a system of evaluation by third examiners ensuring rigor and transparency in assessment.

- Thorough assessment of class attendance and class performance. Attendance and regularity are important criteria for internal assessment.
- Students are encouraged to participate in inter-college competition in academic and co-curricular activities.
- To encourage communication skills and independent learning students are encouraged to participate in seminars, write papers, participate in public debates.
- Extra-curricular activities of students are encouraged and value education programmes are arranged for upliftment of their moral characters.
- Prize/award/endowment for best performance in examination.
- Students are also awarded on the basis of all-round performances.

2.5.6 What are the graduate attributes specified by the college/affiliated university? How does the college ensure the attainment of these by the students?

THE GRADUATE ATTRIBUTES THAT THE INSTITUTION ENSURES INCLUDE:

- Consistent and excellent academic performance
- An openness towards career orientation
- A holistic approach to education
- Good academic, Communication, Employable skill
- Ethical and social values

THE INSTITUTION ENSURES THESE THROUGH:

- Advance learning procedures
- Excellent and a wide range of available academic programmes
- Training WBCS Examination (Preliminary, Main and Optional), NET (UGC/CSIR)/SET, School Service Commission Examination and other preparatory courses for different competitive examinations.
- Professional Courses in Industrial Safety Management, Export Import Management
- Diploma and Advanced Diploma Courses in Mobile Communication, Software Development
- Add-on courses in different disciplines like Travel and Tourism, Industrial Chemistry and Hospital Waste Disposal Management, Computer Courses, Value Addition Programmes, NCC and NSS
- Management Courses (B.B.A.) and B. Voc. Courses in Software Development and Industrial Aquaculture and Fisheries
- Career Counselling

2.5.7. What are the mechanisms for redress of grievances with reference to evaluation both at the college and university level?

**REDRESSAL OF GRIEVANCES:
UNDERGRADUATE STUDENTS:**

COLLEGE LEVEL:

At the College level Departmental Teachers and Heads of the Departments and above all the Principal address this and settle the grievances regarding evaluation of the students. At the college examination, if there is any dissatisfaction on the part of the student regarding evaluation, the students directly approach the faculty members of the department. The faculty members show the evaluated answer-script to the students. Even if there is slightest doubt expressed by any student it is immediately cleared through discussions. Similar discussions are also held with the parents in case of any grievances voiced by them with respect to the evaluation of their ward's performance. If there is any change in the evaluation process that is corrected by the faculty members and the corrected marks are put with the marks slip available with the office. The whole process is very cordial without any harassment or vindication of the students.

UNIVERSITY LEVEL:

There is a provision of Review of marks obtained in the University examinations through the departmental and institutional Heads. Students avail of this procedure and get Reviews done as and when they think it is necessary. Under the RTI act they can also apply for Photostat copies of their answer sheets. To do this, the students have to fill an application form within the stipulated time period prescribed by the university.

POST GRADUATE STUDENTS:

At the PG level, if the students have any grievance, they can immediately approach the Head / Chairperson/ Co-ordinator of the course or the Principal and seek redress by post-publication scrutiny. College addresses the grievances of the student of PG level by post-publication scrutiny of the answer script and result is notified by the controller of examination. Candidate is offered supplementary examination for improvement. For the unsatisfied students grievances are redressed by supplying the photocopy of the answer script.

2.6. STUDENT PERFORMANCE AND LEARNING OUTCOMES

2.6.1 Does the college has clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these.

Yes, learning outcomes are clearly stated for each UG and PG course as preface to the syllabus or curriculum.

For UG courses: When the course content is prepared by the Boards of Studies of the University it is prepared with a clear statement of Learning Outcome. A copy of the course content with the learning outcomes is made available to the students and the staff to make them aware of it. Moreover, teachers convey the learning outcomes of the curriculum during the beginning of the session.

For PG courses: Students' performance and Learning Outcomes are well expressed in the counselling and introductory meeting of the students. These are also discussed during the progress of the curriculum.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The College and the Departments continuously monitors the performance of the students in college and University examinations. To improve the progress and performance, the college tries to develop innovative methods to make teaching-learning more interesting. The teachers of all departments take extra classes outside the routine classes and tutorial and remedial classes beyond college hours. In addition to that the teachers take regular class tests and check the answers written by students. This helps the students to formulate the precise and correct answer which help them to get higher marks in the college and university examinations.

MONITORING

- Monitoring of the progress and the performance of the student is a continuous process.
- Result of class test, mid-term, test exam are critically analysed and evaluation of students are meticulously done.
- Rectification is prescribed on this basis.

COMMUNICATION

- Results are communicated to students and parents.
- Parent teacher interaction is mandatory at the end of each exam where the results are furnished and analysed.
- Appropriate action is taken based on performance and after discussion with parents.

PERFORMANCE

- Both theoretical and practical examination are organised in the model of university exam maintaining the schedule of university.
- The performance of students in the test exam and other exam is reflected in the final exam which proves the efficacy of the exam framework of the college.

TABLE 2.6.2.1 RESULTS OF PART-III EXAMINATION [2012-2015]

UNDERGRADUATE LEVEL

Subject	2012			2013			2014			2015		
	APPD	1 ST CLS	Rank HolderTop 10	APPD	1 ST CLS	Rank HolderTop 10	APPD	1 ST CLS	Rank HolderTop 10	APPD	1 ST CLS	Rank HolderTop 10
Biochemistry	26	11	2nd	33	23	2 nd , 3 rd	24	19	1st	28	13	
Botany	20	5		37	16		34	8		23	7	
Chemistry	38	23		62	36		62	31	1 st	58	31	
Comp. Science	32	14	3rd	67	46	3 rd , 4 th	51	25	3 rd	76	58	1 st , 2 nd
Economics	54	19	1st	57	30	3 rd	45	14	1 st	55	22	
EnvSc	NA	NA	NA	NA	NA	NA	29	20	2 nd	30	16	1 st
Geography	55	8		70	05		77	25	2 nd	77	24	
Geology	25	14	1 st , 2 nd	32	21		41	24	2 nd	75	24	
Mathematics	38	5		67	22		82	29	1 st	61	16	
Microbiology	27	19	1 st ,	28	19		39	18	1 st , 2 nd	33	19	
Physics	47	21		72	36	3 rd	74	26		84	29	
Psychology	41	7	3 rd	54	09		41	06		44	05	
Statistics	37	11		53	24	1 st , 2 nd	44	12	2 nd	56	14	2 nd
Zoology	31	17		56	31	3 rd	42	28		47	32	
I.F.F.	29	15		22	14	1 st , 2 nd , 3 rd	20	14	1 st , 2 nd , 3 rd	24	15	
Electronics	7	2		17	09		16	07	2 nd	23	08	
Bengali	44	1		50	03		52	03		54	04	
English	56	0		65	01		61	00		77	00	
History	46	0		58	00		47	00		58	00	

Journalism	34	02	3 rd	46	0		49	04	1 st , 3 rd	71	04	1 st , 3 rd
Philosophy	11	02		14	01		22	03	1 st	15	00	
Political Science	19	02		27	01		27	00		45	02	
Sanskrit	17	0		39	0		34	1		13	01	
Sociology	19	0		28	02		23	01		29	03	
Comm. English	42	23		47	24		15	03	2 nd	46	23	
BBA	26	9		31	5		26	7	1 st			

POSTGRADUATE LEVEL

Subject	2012		2013		2014		2015	
	No. of Student Appeared	No. of 1 st Class	No. of Student Appeared	No. of 1 st Class	No. of Student Appeared	No. of 1 st Class	No. of Student Appeared	No. of 1 st Class
ENVS	28	28	26	26	20	20	17	17
ZOOLOGY	25	20	25	17	28	25	31	23
BENGALI	NA		54	40	54	54	61	59
GEOGRAPHY	25	23	25	25	24	24	24	23

2.6.3. How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The following strategies have been structured in the teaching-learning and assessment process of the institution to facilitate the achievement of intended learning outcomes.

- College meticulously follows the curriculum and frames the whole thing in such a way that students can learn easily.
- The lecture method of teaching is followed in all the departments but it is supplemented by other innovative and modern teaching methods. The conventional chalk and blackboard system is extensively used by all the departments. In addition to that some departments use OHP and power point presentation in order to make the teaching learning more interesting.

- Lectures, seminars, interactive learning, collaborative learning creates the interest of the students to learn the subjects
- Class tests, college exams are held regularly and the results analysed to monitor student progress. A regular system of tutorials, class test and remedial classes help the students to improve themselves constantly under the guidance of their teachers.
- Teachers attend seminars organized by the college and other institutions to enhance their knowledge and communicate their knowledge to the students.
- The departments of Geography, Geology, Botany, Zoology, IFF and Chemistry use visuals like charts, maps, models, photographs and models to illustrate their lectures.
- Educational excursion and field-work undertaken by some departments to encourage research pursuits among young learners.
- Students are taken to attend seminars and lectures in other colleges to help them to understand their subjects better.
- Some departments have wall magazines in addition to the college magazine through which the students are encouraged to express themselves creatively.
- Classroom debates and quiz methods are used in many departments. Group discussion and interactive sessions are organized to make the students to express their ideas fluently.
- External resource persons are invited to the institution to deliver lectures and enlighten the students on all possible subjects.
- In some fields the suggestion is taken from alumni.
- The college has formulated academic committee and IQAC that aim at enhancing the quality of learning, teaching and assessment by providing academic leadership for the continued development of excellence in academic practice.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

Institution carefully maintains the relevance of the course of studies regarding social and economic impact such that the students can easily achieve success in obtaining quality jobs or can run their

entrepreneurship with highest success. To build innovative attitude and research aptitude in students institute takes different measures/initiatives:

For UG Courses:

- The University frames the syllabus for UG courses. Target of the college is to implicate the syllabus. Departments of the college encompass full effort to teach the students as per university syllabus with proper enrichment programme to enhance socio-economic impact.
- The syllabus is periodically revised and updated by the UG board of studies of the university considering current relevance of the socio-economical demand.
- Departments like Electronics take initiative in developing entrepreneurship by organizing programmes like “Design Yourself”.
- The college has introduced Add On courses, courses under B.Voc. and Community College scheme which trains the students for future job placement.
- The college runs professional training programmes that provide training to students for exams like WBCS/ NET/ SET etc or job oriented courses like Computer training, Industrial Safety Management, Export & Import etc.

For PG Courses:

- Syllabus and curriculum planning are so furnished such that students can match the rhythm of present cutting edge research and industrial benchmark.
- PG students are prepared well to secure ranks in national level examinations like NET, SET, GATE etc.
- Sufficient training and exposures are provided to achieve suitable job in the job market.
- Capability is generated in students for entrepreneurship through different projects and workshops.

For both UG & PG Courses:

- Departmental seminars are arranged to grow presentation capability of the students.
- Projects on respective subject area are assigned and evaluated to enhance the innovative aptitude.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

COLLECTION OF DATA:

- Evaluation of periodical class tests by the respective department.
- Assessment of homework provided through worksheet.
- Internal assessment through continuous evaluation of individual student regarding performance in laboratory or seminar etc.
- Results of the University examination or End Sem. Exam for PG students.
- Success rate of the students at national level exam like JAM, JEST, CMI etc. (for UG students) and NET, SET, GATE etc. (for PG students).
- Record of employment of the students (both on campus and out of campus).

ANALYSIS OF COLLECTED DATA:

FOR UG COURSES:

- Data obtained are analyzed in departmental review meeting.
- The outcome of the departmental review meeting is extended to the review meeting of the academic sub-committee and further to teachers' council and Governing Body.

FOR PG COURSES:

- PG Expert Committees of different departments of the Institute analyse the data and the outcome is reviewed of the departmental review meeting.
- Based on the analyses PGEC recommends measures to be taken to overcome the barriers in learning and the line of actions for the betterment of the students.

POST ANALYSIS ACTION:

- Used for recommendation of modification of curriculum to the University for UG courses.
- Supplements are made in syllabi for PG courses.

- A regular contact with ex-students through internet and Facebook is maintained and they are encouraged to come and talk to the present students through seminars/study circles/workshops so that an academic exchange between past and present students is maintained.
- Special class and remedial classes are arranged as per requirement.
- Value added courses are often recommended for student benefit.
- Modes of implementation are modified whenever necessary.
- Students are guided properly for seminars and workshops after analyses.
- Guideline and steps are decided to enhance the success rate of the students at national level exams and as well as at job market.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

MONITORING:

The institution has a clearly defined mechanism to monitor the learning outcomes. The following committee are there to analyze the learning outcome:

For UG Departments:

- Academic Sub-Committee
- Teachers' Council
- Governing Body

For PG Departments:

- PGEC (Post Graduate Expert Committee)
- PG Subcommittee
- Governing Body

For Both UG & PG Departments:

- Departmental Review Committee
- IQAC of College

- Student Placement Cell
- Assessment Committee

MECHANISM:

- The performance of the student in class and examinations indicate to what extent learning outcomes are achieved.
- Attendance is compulsorily taken in every class.
- Based on the participation in the class and marks scored in the class tests, tutorials and mid-term and Test examinations, the students' level is judged by the faculty and appropriate action is taken under the guidance of Academic sub-committee and the IQAC.
- Extra classes and remedial classes are taken for slow learners.
- Parents of such students are called to meet their respective faculty members, if required.
- Monitoring the student's tutorial performances, project work, seminar presentation and College & University Examination results the institution ensures the achievements of learning outcomes.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples..

The Institution as well as teachers of the College make attempts to be aware of students in an individual basis. Their learning outcomes are monitored to create a pool of knowledge of academic performance. Each department keeps track of its students and provides them with necessary support to benefit from this system to progress onwards in higher education and career building.

EVALUATION BY THE INSTITUTION:

- Class Tests, Mid-term exam is organised and the result is announced maintaining the academic calendar.
- Results are published on the college notice board
- After publication of results the assessed answer scripts are delivered to the students such that they can understand their deficiency.

EVALUATION BY INDIVIDUAL TEACHER:

- Class tests or periodical tests are the tools for individual teacher to assess the development of the students.
- Performance of these tests indicates the improvement and deficiencies of the individual student and thus teacher can take necessary actions to eliminate the learning barriers.

- Model answers are delivered to the students as per the guideline to evaluate the answer scripts during University examinations.
- Audio-visual aids and web information are used.
- E-books/Seminar books are distributed to equip individual student.

Few Examples:

During University examination evaluation of the answer scripts are done as per the Model Answer Script made by the Head Examiners after examiners' meeting. To guide our students, for the effective presentation of the answer during examination, the same Model Scripts are followed. During internal assessments the guidelines of University are strictly maintained.

After each college examination the evaluated answer scripts are shown to the students and the answers discussed, model answers provided so that the students can prepare accordingly.

CRITERION III: RESEARCH/CONSULTANCY/EXTENSION

3.1 PROMOTION OF RESEARCH

3.1.1 Does the Institution have recognized research center/s of the affiliating university or any other agency/organization?

- The college is primarily a center of Undergraduate studies affiliated to Calcutta University with facilities for Postgraduate studies including research in
 - Bengali
 - Computer Science
 - Environmental Science
 - Geography
 - Geology
 - Zoology
- The Department of Geography has applied to Calcutta University for permission to set up a Research Centre. Syndicate approval is awaited.
- Faculty members have been recognized by Calcutta University and other organizations like IGNOU and ICSSR as Research Guides/ Supervisors.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

There are the following Committees to monitor and address the issues of research.

1. **UGC COMMITTEE:** The committee looks after the problem faced by the researchers regarding implementation of the project and the proper communication to the UGC regarding Annual Report and Audit report of the projects.
2. **FINANCE COMMITTEE:** Looks after the sanction of funds and purchase for project related works.
3. **PROJECT IMPLEMENTATION COMMITTEE:** Looks after the e-tendering process and technical evaluation and purchase of instruments for the implementation of BOOST project sponsored by Department of Biotechnology, West Bengal.

4. **IQAC:** Also functions as a research monitoring cell. The College has six post-graduate departments. Most of the teachers of these departments and also some of the teachers of other departments regularly work on research projects funded by different agencies like UGC, DST, ISRO, etc. The IQAC has proposed setting up of research wings of the departments with postgraduate sections but establishment of such sections demands a prolonged effort including permission from the University.

TABLE 3.1.2 COMPOSITION OF COMMITTEES

COMMITTEE	MEMBERS
UGC COMMITTEE	Apurba Roy, Bursar Ena Chatterjee Keya Ghosh Dhiman Dutta Debasish Chakraborty
FINANCE COMMITTEE	Dipak Kumar Kar, Principal Kalyan Rudra, External GB Member Dipankar Sarkar, External GB Member Asok Kumar Roy Manas Dasgupta Apurba Roy, Bursar (Invitee) Chandranath Mukherjee (Invitee) Ena Chatterjee (Invitee)
IQAC	Dipak Kumar Kar, Principal <u>Joint Co-ordinators:</u> Ena Chatterjee Tathagata Ray Chaudhuri <u>Administrative Officer:</u> Apurba Roy, Bursar Debika Halder, Teachers' Council Secretary <u>Members of Management:</u> Asok Kumar Roy Chandranath Mukherjee Siddhartha Kar Tapti De Manas Dasgupta Partha Sarathi Pal Sayantan Ghoshal

	<u>Member of Teaching Staff:</u> Sajal Bhattacharya Manorama Chatterjee Bhaskar Mridha Keya Ghosh Sraboni Roy Sayani Mukhopadhyay
PROJECT IMPLEMENTATION COMMITTEE	Dipak Kumar Kar, Principal <u>Coordinator:</u> Tathagata Ray Chaudhuri <u>Members</u> Ena Chatterjee Soma Halder Sajal Bhattacharya Chandra Chaudhuri

RECOMMENDATIONS AND IMPACT:

1. During the process of purchase of instruments under the BOOST project, the members of the Project Implementation Committee held several meetings for finalizing the NIT for the e-tendering process. After receiving e-tenders for the above project several meetings were held to finalize the Technical Evaluation Report in consultation with several external experts.
2. The IQAC had recommended all the Departments to arrange lectures by eminent teachers and scientists as part of the Centenary Celebration of the College. A number of Departments have already initiated such Lecture Series while others are in the process of doing so.
3. As discussed in the IQAC meetings and sanctioned by the Finance Committee the purchase of laptops and printers for Departments in the Humanities Building has been sanctioned. Some of the Departments have already acquired these equipments.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

- **Autonomy of the Principal Investigator:** the Principal investigator is the key person in the planning of any project. The institute provides all necessary support without interference in the implementation of the same.
- **Timely availability and release of resources:** Smooth in-house grant processing, quick fund release and scheduled auditing are ensured by the administration. Constant liaison with funding authorities is maintained to ensure smooth and timely release of funds,
- **Adequate infrastructure and human resources:** In spite of space constraints the institute has always provided necessary infrastructure and human resource for the implementation of projects and Research activities.
 - The Centenary Building which houses the Postgraduate departments has separate research and laboratory space;
 - The BOOST laboratory has been set up with all necessary infrastructural support from the institute.
- **Time-off, reduced teaching load, special leave for research related field-work etc. to teachers:**
 - Departmental routines are adjusted to accommodate teachers involved in research work.
 - The institute sanctions leave to faculty under the Faculty Development Programme for completion of Ph.D. / research work.
 - Leave is granted for participation in seminar/ conference/ workshops.
- **Support in terms of technology and information needs, unlimited internet facility:**
 - Computers and laptops for every department
 - 24 hrs Internet facility
 - Rich collection of books and journals in every subject in the central and departmental libraries. The institute regularly sanctions funds for purchase of books and journals.
 - Faculty improvement programmes and seminars are organized regularly.
 - Each Science department has very good laboratory facilities mostly for doing project research work
 - A modern Biotechnology Laboratory with latest instruments has been established for carrying out research work.

- **Facilitate timely auditing and submission of utilization certificate to the funding authorities**

Internal audit is coordinated by the Bursar in consultation with the Accountant of the college. External audit is done by Government Auditors. Audit of other grants (UGC, DBT, DST) is done by reputed Chartered Accountants. The Utilization certificates are submitted timely to the funding authorities.

3.1.4 What are the efforts made by the institution to develop scientific temper and research culture and aptitude among students?

- The college encourages the active participation of students and staff in organizing seminars, workshops and training programmes. They are further encouraged to participate in such activities organized in other colleges or organizations of repute.
- Departments organize seminar lectures by eminent scientists and teachers from other institutions and organizations.
- Provisions for research facilities- laboratory equipments, research journals and other incentives- are made available to faculty undertaking and also applying for research projects.
- Collaboration with other research organizations/ industry is also arranged. Visit to research institute is organized for students.
- Students are required to submit individual project reports based on a topic in PG course of Environmental Science in which they are guided by the faculty members of different departments of the college and different Institutes outside.
- Researchers of eminence are invited periodically to share their experiences with students and staff.
- Faculty members are sanctioned leave besides FDP leave, for research work including post-doctoral work in premier institutes in India and abroad.
- The students of the PG departments carry out project works. At the end of the project work they give a seminar presentation of this M.Sc. dissertation, this project works also get published in scientific journals
- In department of Microbiology the UG students are also encouraged to get some experience by doing small project according to their interest under the guidance of faculty members of that department , also they sometimes go to other institutes to avail the research experience, faculty members help them and refer them as required.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/ collaborative research activity, etc.)

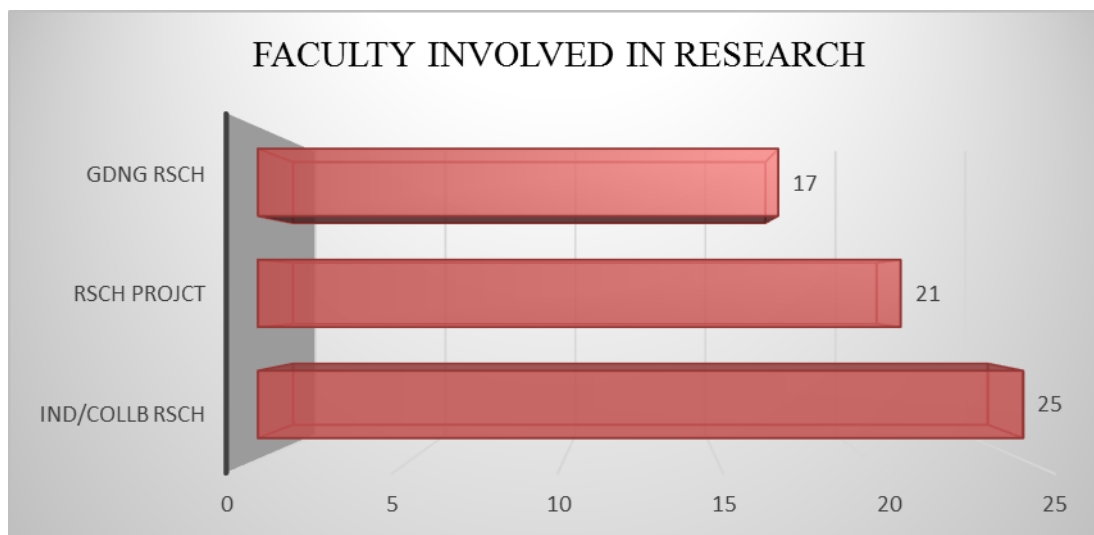
A good number of the academic staff is engaged in promoting research-oriented activities through supervision and guidance of doctoral/ post-doctoral/ M. Sc/ M. Phil/ Research project work in various universities and organizations.

A department-wise survey is given under the following Heads:

TABLE 3.1.5. FACULTY INVOLVED IN ACTIVE RESEARCH (LAST 4 YRS)

Department	No. of faculty members engaged in		
	Guiding Student Research	Research Projects	Individual or Collaborative Research
Bengali	2	3	1
Botany	4	5	-
ENVS	4	2	-
Geography	1	2	5
Chemistry	-	-	1
Economics	-	-	1
Physics	-	-	1
Geology	6	3	3
Journalism	-	-	1
Microbiology	-	2	1
Philosophy	-	-	2
Political Science	-	-	1
Psychology	-	3	1
Sociology	-	-	1
Statistics	-	-	3
Zoology	-	1	3

** Details will be available in ANNEXURE-I*



3.1.6 Give details of Workshops/ Training Programmes/ Sensitization Programme conducted/ organized by the institution with focus on capacity building in terms of research and imbining research culture among the staff and students.

The various departments of the college, both UG and PG, organize seminars and workshops periodically for students and staff where eminent scholars from other institutions are invited as resource persons. This helps to promote an atmosphere conducive to academic research and application.

A Department-wise survey of workshops and seminars held in the last 5 years is given below:

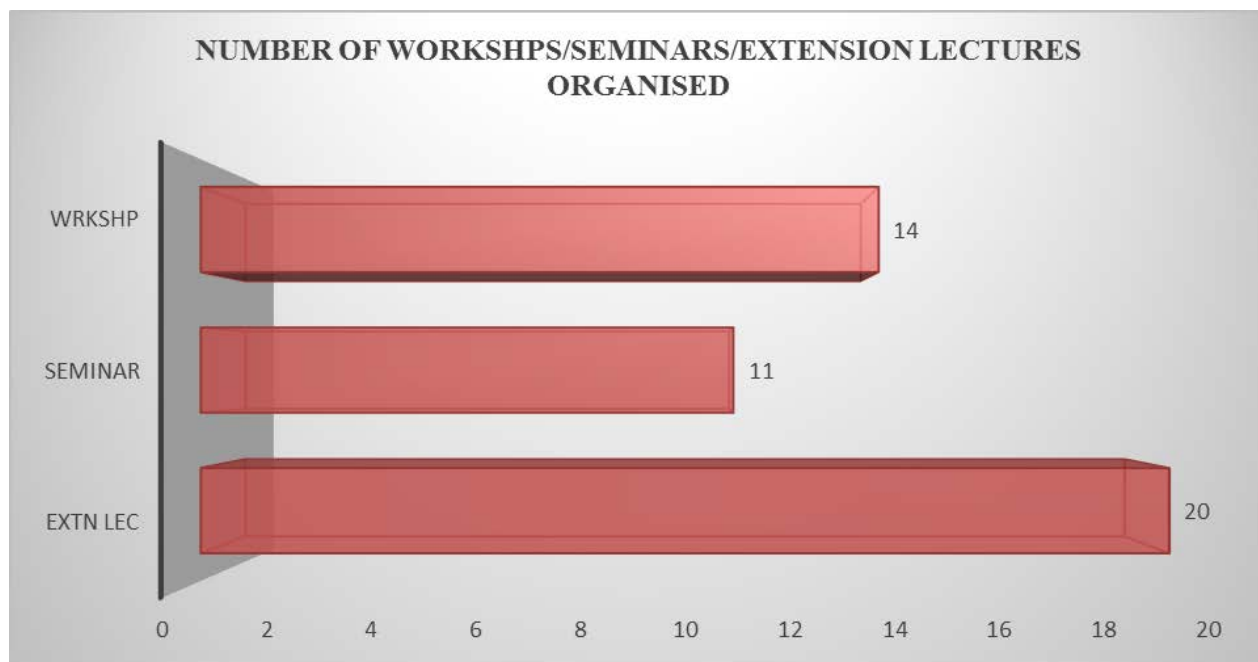
TABLE 3.1.6 WORKSHOPS/ TRAINING PROGRAMMES/ SENSITIZATION PROGRAMME CONDUCTED/ ORGANIZED BY THE INSTITUTION (LAST 4 YRS)

Department	Number of		
	Workshop	Seminar	Extension Lecture
Biochemistry	3	2	-
Communicative English	1	2	-
Economics	1	-	-
Electronics	1	-	1

ASUTOSH COLLEGE SSR 2015

English	-	-	3
Geography	-	1	-
Journalism	3	-	-
Mathematics	-	1	-
Philosophy	-	1	1
Physics	-	-	3
Psychology	2	-	-
Sociology	-	1	2
Statistics	1	1	2
Botany	-	1	8
Microbiology	2	1	-

** Details will be available in ANNEXURE-II*



3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

Department	Prioritized Research Area & Expertise
1. Bengali	<ul style="list-style-type: none"> • Tagore Literature • Mythology • Drama • Comparative Literature • Folklore • Modern Bengali Literature • Old & Medieval Bengali Literature • Prose Fiction`
2. Biochemistry	<ul style="list-style-type: none"> • Cancer Molecular Biology • Parasitology and Cancer Immunology • Reproductive Endocrinology • Clinical Biochemistry
3. Botany	<ul style="list-style-type: none"> • Tissue Culture and Plant Molecular biology • Plant Peptide Analysis • Environmental Biology • Protein purification and Analysis • Stress Physiology
4. Chemistry	<ul style="list-style-type: none"> • Catalysis • Fluorescence Spectroscopy • Bio-inorganic Chemistry • Bio-physical Chemistry • Stereo-selective Synthesis, • Ligand Metal Complex & study of their Bioactivity
5. Economics	<ul style="list-style-type: none"> • Fiscal Policy • Environmental Economics • Agricultural Economics
6. Electronics	<ul style="list-style-type: none"> • Non-linear Dynamics
7. English	<ul style="list-style-type: none"> • Rabindranath Tagore • Influence of Bengali on English as spoken in West Bengal • Romantic Poetry • African Drama
8. Environmental Science	<ul style="list-style-type: none"> • Soil Health Management • Environmental Microbiology • Environmental/Ecological Toxicology
9. Geography	<ul style="list-style-type: none"> • Cartography • Social Geography

	<ul style="list-style-type: none"> • Quantitative Techniques I Geography • Regional Planning • Economic Geography • Disaster Management • Gender Studies • Human Geography • Industrial Geography • Geomorphology • Social and Cultural Geography • Environmental Geography • Remote Sensing and GIS • Resource Studies
10. Geology	<ul style="list-style-type: none"> • Structure and Tectonics of different Martian Terrains • Structure of Fold and Thrust Belts • Sediment Deformation • Rock Magnetism and Paleomagnetic Studies • Structural Geology and Impact Dynamics Modelling • Coal Geology • Deformation Localization in Rocks and Finite Element Modelling
11. History	<ul style="list-style-type: none"> • Bengali Muslim Society (Kazi Abdul Wadud) • Late Medieval India with special reference to Bengal • Displacement and Gender • Life and Times of Sir Asutosh Mookerjee
12. Industrial Fish and Fisheries	<ul style="list-style-type: none"> • Marine Biology (Fishery)
13. Journalism and Mass Communication	<ul style="list-style-type: none"> • Press Law and Ethics
14. Physics	<ul style="list-style-type: none"> • Liquid Crystals-based Colloidal Systems • Polarizing Optical Microscopic Studies • GPS Systems • Low Band gap Semi-conductor • Impedence Spectroscopy • Electron and Positron Scattering • Effects of Drugs on Viscosity and Conductivity of Bio-membranes • Electronic transport in bulk and Quantum well Heterostructures of some Polar Semi-conductor
15. Philosophy	<ul style="list-style-type: none"> • Analytic and Linguistic Philosophy • Feminist Epistemology • Environmental Philosophy

	<ul style="list-style-type: none"> • Problems of Existence in Logic
16. Political Science	<ul style="list-style-type: none"> • Language of Communication • Theories Of International Relations • Globalization • International Political Economy
17. Psychology	<ul style="list-style-type: none"> • Human Resource and Organizational Behaviour • Environmental Psychology • Adolescent Health • Literature and Psychology • Drug Addiction and HIV Aids
18. Sanskrit	<ul style="list-style-type: none"> • Indian Philosophy • Sanskrit Dramaturgy • Vedanta Philosophy
19. Statistics	<ul style="list-style-type: none"> • Sequential Design • Time Series • Non-parametric Inference
20. Zoology	<ul style="list-style-type: none"> • Medical Entomology • Aquatic Bio-Resource • Environmental Parasitology • <i>Drosophila</i> Genetics • Entomology • Biotechnology
21. Microbiology	<ul style="list-style-type: none"> • Environmental Microbiology • Cancer biology and Immunology • R-DNA technology • Enzymology

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students.

- UGC and other sponsored seminars and workshops are organized by different departments through which researchers from various fields visit the campus and interact with students as well as teachers.
- Departments maintain contact with subject experts and eminent researchers in their respective fields and invite them to talk to the students. This is an effort the college faculty is exercising continuously for benefit of the students.

- The teachers are in regular interaction with university faculties and also have collaborative research projects with them.

3.1.9 What percentage of the faculty has utilized Sabbatical leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

- As per Calcutta University statute there is provision for Study Leave (8weeks), Special Study Leave (2 years) and FDP Leave (2+1=3years) in the service period of a teacher in a substantive post which allows him/her to pursue advanced level research work.
- The Rules of Service of the Government of West Bengal have provisions for Commuted Leave without Medical Certificate for a maximum period of 180 (one hundred and eighty) days.
- . There is also a provision for sanctioned leave for presenting in national and international seminar/conferences. The Principal is very prompt in granting duty leave as required for selected Resource Persons.
- The University Grants Commission provides extended leave for college and university teachers for doctoral research work including dissertation preparation and submission under the FDP (earlier FIP) scheme. Following is a list of teachers who have availed leave under this scheme for submission of Ph. D thesis:
 - Dr. Chandrima Bhar, Assistant Professor, of the Department of Philosophy, availed FDP leave for individual research work for Ph. D thesis, from 04 July, 2011 till 03 October, 2013. She has subsequently been awarded Ph. D degree by Jadavpur University.
 - Prof. Sanchita Sanyal, Assistant Professor, of the Department of Political Science, is currently on FDP leave (since 01 August, 2013) for individual research work related to doctoral dissertation.
 - Prof. Saswati De Mondal, Associate Professor, Department of Philosophy, is currently on leave (since 08. 09. 2015) for two years under UGC FDP scheme.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

- Teachers regularly communicate with postgraduate students on their research activities and findings.

- The College authority encourages and sanctions leave for presenting research papers in different international and national conferences by faculty members.
- Some departments arrange the field visits to feel the real experience of the study material
- From many departments students are taken to research institute as well as industries to get the real experience and idea of research

THE FOLLOWING INDUSTRY, RESEARCH INSTITUTES HAVE BEEN ORGANISED BY THE DEPARTMENTS DURING THE LAST 4 YEARS

DEPARTMENT	INDUSTRY/ RESEARCH INSTITUTE VISIT
BOTANY	TEMI TEA ESTATE DUNCAN TEA ESTATE BOSE INSTITUTE FARM HOUSE BOTANICAL SURVEY OF INDIA, KOLKATA & GANGTOK
MICROBIOLOGY	MOTHER DAIRY IFB AGRO INDUSTRIES NITROFIX
INDUSTRIAL FISH AND FISHERIES	MARINE CAPTURE FISHERY , DIGHA KVK,NIMPITH NATIONAL INSTITUTE OF FISHERIES POST HARVEST TECHNOLOGY AND TRAINING, COCHIN& VIZAG
GEOLOGY	TATA IRON &STEEL CO. STEEL AUTHORITY OF INDIA GEOLOGICAL SURVEY OF INDIA
B.VOC.	MAPLE TECHNOLOGIES SUPERTRON INFOTECH PVT. LTD. APEX BODY : MCC
COMMUNITY COLLEGE	SAMSUNG INDIA PVT.LTD. GEE-PEE MOBILE PVT.LTD. MAPLE TECHNOLOGIES SUPERTRON INFOTECH PVT. LTD. APEX BODY : MCC
ENVIRONMENTAL SCIENCE	MOTHER DAIRY BANTALA LEATHER COMPLEX ASG BIOCHEM PVT. LTD. HINDUSTAN UNILEVER LTD.

B.B.A.	DEY'S MEDICAL TIDE WATER HINDUSTAN PAPER CORPORATION LTD NATIONAL INSURANCE COMPANY LTD POWER GRID CORPORATION OF INDIA LTD AMBUJA CEMENT LTD COAL INDIA LIMITED CESC LIMITED BANK OF BORADA ICICI BANK SBI UCO BANK HONDA BENGAL HARLEY DEVIDSON TIME BUSINESS SOLOUTIONS ESAB INDOFIL LTD ADITYA BIRLA JAYASHREE TEXTILE BARGER PAINTS PIZZA HUT COCA-COLA DIAMOND BEVERAGE LTD PRIYA FOOD LTD AIRPORT AUTHORITY OF INDIA INDIAN OIL CORPORATION LTD BM BIRLA HEART RESEARCH LTD CALCUTTA MEDICAL RESEARCH INSTITUTE ZINDAL LTD VISA POWER LTD SUZUKI STAR-BRUST MOTOR PVT. LTD BISK FIRM TAZZA TV ASIAN PAINT VODAPHONE AIRTEL INFINITY INFOTECH PARKS LTD EAST INDIA PHARMACEUTICAL WORKS LTD ROYAL ENFIELD AUSTRIN LTD PRINTOFIX, VIP LUGGAGE ITC SONAR BANGLA
GEOGRAPHY	

3.2 RESOURCE MOBILIZATION FOR RESEARCH

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

- The Institute is not empowered to allot funds for research. Other sponsoring agencies are approached such as the UGC, DBT, DST, CSIR and others to fund Minor and Major Research Projects.
- However, the College allots funds for purchase and maintenance of equipment/ materials, maintaining generated data, and expenses incurred during fieldwork.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years.

- The Institution is mainly involved in UG & PG teaching and research as main outlay does not come under the purview except in case of personal involvement on behalf of faculty members.
- The college is not financially autonomous and does not have the liberty to generate funds or provide seed money to faculty for research.
- Recently the College has applied for and received a grant of 45 lakhs (35 lakhs for purchase of Instruments and 10 lakhs for purchase of consumables) from the Department of Biotechnology, West Bengal under the BOOST scheme. Incidentally this is the highest amount of money allotted to any college in West Bengal. Purchase of modern instruments will benefit teaching and research activities, especially in the area of Biotechnology.

3.2.3 What are the financial provisions made available to support research projects by students?

- Post-Graduate level project work engages students and the funding are provided by the college which includes partial UGC funding for all the PG departments.
- Expenditure incurred by the faculty members in the M.Sc. Thesis Field work is provided by the College.

3.2.4 How does the various departments/units/ staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faced in organizing inter-disciplinary research.

The various departments/units/staff of the institute carry out interdisciplinary research. Many PG students carry out project work under the supervision of teachers of other related departments.

- ‘*Udvid Prani o Jibananada Das- er Kabita: Sandhan, Niriksha o ekti Notun Path*’ – Interdisciplinary Minor Research Project UGC minor : Principal Investigator : Dr Manas Kabi (Dept of Bengali) Co-Investigators : Dr Jyotirmoy Ghosh (Department of Botany) Dr Binayak Mishra (Department of Zoology).
- M.Sc. dissertation of students of Environmental Sciences is guided by faculty members of Botany (Dr. Amitava Ghosh, Dr. Soma Halder), Zoology, Chemistry (Dr. Keya Ghosh) , Geology (DR. Avik Kundu) and Biochemistry and others.
- The different postgraduate departments in science extend their laboratory facilities and technical expertise to students and staff of other departments if they so require.
- Departments of Botany, Microbiology, Biochemistry, Environmental Science and Zoology were sanctioned BOOST project by DBT West Bengal for setting up of Biotechnology Laboratory which will enhance interdisciplinary research in the College.
- The College is in the process of forming the following inter disciplinary schools in the second campus to facilitate inter disciplinary research:
 - (i) School of Physical Sciences (Physics, Chemistry, Electronics,)
 - (ii) School of Social Sciences (Sociology, Economics, Political Science, History)
 - (iii) School of Earth Sciences(Geography, Geology, Environmental Science)
 - (iv) School of Life Sciences (Botany, Zoology, Microbiology, Biochemistry, Industrial Fish and Fisheries)
 - (v) School of Language and Literature (Bengali, English, Sanskrit, Communicative English, Journalism and Mass Communication)
 - (vi) School of Cognitive Science (Philosophy, Psychology)
 - (vii) School of Computation (Mathematics, Statistics, Computer Science)

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- Heads of respective Departments ensure optimal use of the equipment and facilities. When not in use the instruments are made available for use by other Departments having a common curriculum. For example DNA gel apparatus, UV trans-illuminator are used by Departments of Botany, Microbiology, Environmental Science and Biochemistry as and when needed.
- For high end instruments faculty having experience in operating such instruments is given charge, along with a full-time lab assistant to keep vigil over the proper use of the facilities and equipments by students/scholars
- Service and operating manuals and log book for checking equipment/facility usage are maintained religiously.
- Necessary and adequate provisions have been made for continuous supply of electricity with stable voltage and adequate load capacity, desired level of illumination, proper electrical fittings, etc. for proper maintenance and optimum use of research instruments and facilities.
- High end instruments and computers are under Annual Maintenance Contracts .
- For training and teaching of operation of sophisticated instruments thorough theoretical class for students is conducted. This is followed by making small groups for demonstration of operation of instruments.
- UG Students, Research Scholars and Postgraduate students are all encouraged to use all instruments but at the same time given necessary training for operating the same.

TABLE 3.2.5: TECHNOLOGIES AND FACILITIES AVAILABLE AND USED BY THE FACULTIES FOR EFFECTIVE TEACHING

SUBJECT	LIBRARY				Internet Facilities		ICT facilities	Laboratory
	Central	Seminar	Reading	Journal	Desktop	Laptop		
BENGALI	2927	886(UG)+ 596(PG)	193		1	2	One LCD projector	NA
COMMUNICATIVE ENGLISH	134	133				1 + 20 (Lang Lab)	One LCD projector	Modern Language Laboratory with 18 Laptops and one PC
ENGLISH	1907	657	77			1		NA

ASUTOSH COLLEGE SSR 2015

HISTORY	1692	606	106	2		1		NA
JOURNALISM	414	152	46	2		1	One LCD projector	Well equipped Laboratory with Movie –CDs, Documentary CDs, Laptop,5-Handy Cam, LCD TV, LED monitor
PHILOSOPHY	1117	443	81			1		NA
POLITICAL SCIENCE	1057	520	101			1		NA
SANSKRIT	765	323	04			1		NA
SOCIOLOGY	750	301	54			1		NA
BIOCHEMISTRY	382	316	12		1	2		Well equipped One Hons. Laboratory, another shared with Chemistry Dept. Laboratory
BOTANY	837	447			1	2	One LCD projector	Well equipped Four Laboratories , Two for Hons/Gen other two only for Hons
CHEMISTRY	1649	799	186			3	One LCD projector	Well equipped Three Laboratories, Inorganic, Organic, Physical (instrumental)
COMPUTER SCIENCE	1135	716(UG)+ 278(PG)	75		46	1	2	Three
ECONOMICS	1014	346	76			1		NA
ELECTRONICS	625	287	14		2	1		Two well equipped with Modern instruments
ENVIRONMENTAL SCIENCE	180	103(UG)+ 451(PG)	05		2	1	2	Well equipped Four Laboratories(one shared with IFF)
GEOGRAPHY	1102	848(UG)+	66	5	30	4	2	Well equipped Two Laboratories, Social-Science Lab, GIS -

ASUTOSH COLLEGE SSR 2015

		381(PG)						Remotesensing Lab.
GEOLOGY	749	285(UG)+ 65(PG)	80		7	5	4 LCD Projector	Three Laboratories –Petrology, Minerology Palaentology
IFF	173	172				1		Two Laboratories, one shared with Env. Sc.
MATHEMATICS	1483	680	134			2		Well equipped with 11 desktops 2 laptops and 5 printers
MICROBIOLOGY	428	313	29		1	1	1	One well equipped Laboratory
PHYSICS	1388	801	170		10	16		Well equippedFour Laboratories for Hons/Gen
PSYCHOLOGY	406	280	25			1		One laboratory with many modern instruments
STATISTICS	1373	1044	53		2	1		One laboratory with 30 desktops, for students, one for teacher
ZOOLOGY	32	442(UG)+ 161(PG)	46		2	1	2	Well equipped Three Laboratories for Hons/Gen, One for PG only
COMMUNITY COLLEGE	193	193			20	1	1	

* The Departments of Humanities Section share the ICT classroom with LCD projector centrally. Each department has their own PC or laptop

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'Yes' give details.

Research grants are available for research projects from beneficiary agencies like UGC, ISRO, DST, DBT, ICSSR and others for purchase of instruments/ apparatus/ chemicals /other consumables for developing research facilities in various departments.

The College has received a grant of 45 lakhs from DBT West Bengal under the BOOST scheme for setting up a biotechnology laboratory for teaching and research, to be used by faculty, research scholars and students of departments of Botany, Zoology, Biochemistry, Environmental Sciences and Microbiology.

Except these, the college has received special grants for purchasing instruments from UGC. In some of the departments like Geology and Geography have collaborative projects with ISRO and ICSSR. Many of the research facilities are available from their part.

Research grants are available for research projects from beneficiary agencies like UGC, ISRO, DST, DBT, ICSSR and others for purchase of instruments, apparatus and chemicals and consumables for developing research facilities.

For further details vide Article No. 3.3.3

3.2.7. Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

TABLE 3.2.7. LIST OF ONGOING AND COMPLETED PROJECTS/GRANTS

Nature of the Project and Funding Agency	Year	Title of the Project	Grant Sanctioned/Received
UGC-Minor Research Project (Bengali)	2014-16	Swadhinata Purba Bangla sahityer Itihase Mahila Sahityikder Parichay, SahityaShristi o Abodan: Sandhan o Samikshabhittik Alochona- Minor RP- UGC	Received: 7,77,400/-
	2011-13	Udvid Prani o Jibananada Das- er Kabita: Sandhan, Niriksha o ekti Notun Path – Interdisciplinary Minor Research Project	
UGC-Minor Research Project (Botany)	2011-13	Study of Potential Microalgal source from waste-water bodies of Kolkata and adjacent areas for biomass production using waste water	Received 3,48,750/-
	2014-	Study of Toxicity and Heavy Metal removal potential of some microalgal species isolated from waste water and heavy metal removal from Tannery Effluents of Kolkata	
	2010-11	Study of Phytotoxicity and accumulation pattern of irrigation contaminated heavy metals in some selected crops and vegetables in Malda district, UGC-Minor RP	
UGC-Major	2011-	Profile Study of Peptides and Antioxidants of	Received: 7,22,930/-

Research Project (Botany)	14	Mulberry leaves in relation to their Potential in Artificial diet-rearing System of Silkworm, UGC-Major RP	
UGC-Minor Research Project (ENVSc)	2013-15 2014-16	Isolation and Characterization of Slurry Microbes in Relation to Pollutants from City Drains of Different Zones of Kolkata & its Adjoining Areas & Study of their Effect on Animals and Plants- Minor RP-UGC. An Extensive Analysis of the Pesticide's and Herbicides' Effect on Common Weeds Available in the Agricultural Fields of North 24Parganas, WB, in Support of Antioxidative & Molecular Biological Parameters.	Sanctioned: 9,95,000/-
UGC-Minor Research Project (Geography)		An Analysis of Gender Disparity in Literacy and its Reflection on Social Stratification: A Comparative Study haora Sadar Subdivision, Haora District and Barasat Sadar Subdivision, North 24Pgs, West Bengal, UGC-MRP Study of Socio-economic Conditions and Healthcare Facilities of Ageing Population in West Bengal- UGC-Minor RP	Received: 4,72,000/-
ICSSR-Major Project (Geography)		Strategies for Conservation of Natural Resources in Kurseong Subdivision in Darjeeling district of West Bengal, ICSSR-MAJOR. (<i>Jointly with Prof. M. M. Jana, Visiting Professor</i>)	Received: 6,20,275/-
UGC-Minor Research Project (Geology)	2010-12	Study of depositional setup, and provenance analysis of the Middle Siwalik sequence at the Lish River Section, around Bagrakot, West Bengal, India. UGC-MRP	Received: 1,47,000/-
	2011-13	Application of green technology for the sustainable development of abandoned mine sites	Received: 1,66,000/-

ASUTOSH COLLEGE SSR 2015

ISRO Major Project (Geology)	2014-16	Structural patterns within the Noachis Terra: Implication on Martian tectonics. <ul style="list-style-type: none"> • Collaborator: Dr. Prakash Chauhan, Scientist - SG & Head, PMD, MPSG/EPSC, Space Applications Centre (ISRO), Ahmedabad • Co-investigator: Dr. Nilanjan Dasgupta, Associate Professor, Department of Geology, Presidency University. One Junior research fellow is working] 	Received: 10,50,000/-
UGC-Minor Research Project (Microbiology)	2014-16	Evaluation of Biocontrol Activity and Molecular Mechanism of Antagonistic Bacteria against Fungal Diseases, GC-Minor RP.	Sanctioned: 4,90,000/-
UGC-Minor Research Project (Psychology)	2014-16	Evaluation of Organizational Factors Affecting Behavioural and Personality Patterns of Professionals belonging to different Sectors: A Comparative Analysis of Academic, Banking & IT Professionals of Kolkata Metropolis, UGC-Minor RP Tagore's Geetanjali: The Prophet's Worship, UGC-Minor RP Cognitive Evaluation of Dwelling Environment: Perception, Attachment, Preference & Satisfaction: A Comparative Analysis of Town & Village Community of West Bengal, UGC-Minor RP.	Received: 6,12,500/-
UGC-Minor Research Project (Zoology)	2013-15	Cellular, Histopathological and Biochemical Response in some organs of a major Carp, <i>Labeo rohita</i> (PSW-038/13-14 ERO).	Received: 2,57,500
UGC-Minor Research Project (Mathematics)	2014-16 2011-13	A Brief history and development of abstract algebra: A case study on applications in different fields Mathematical approaches to study some challenging problems of environmental sciences	Sanctioned: 4,45,500/-

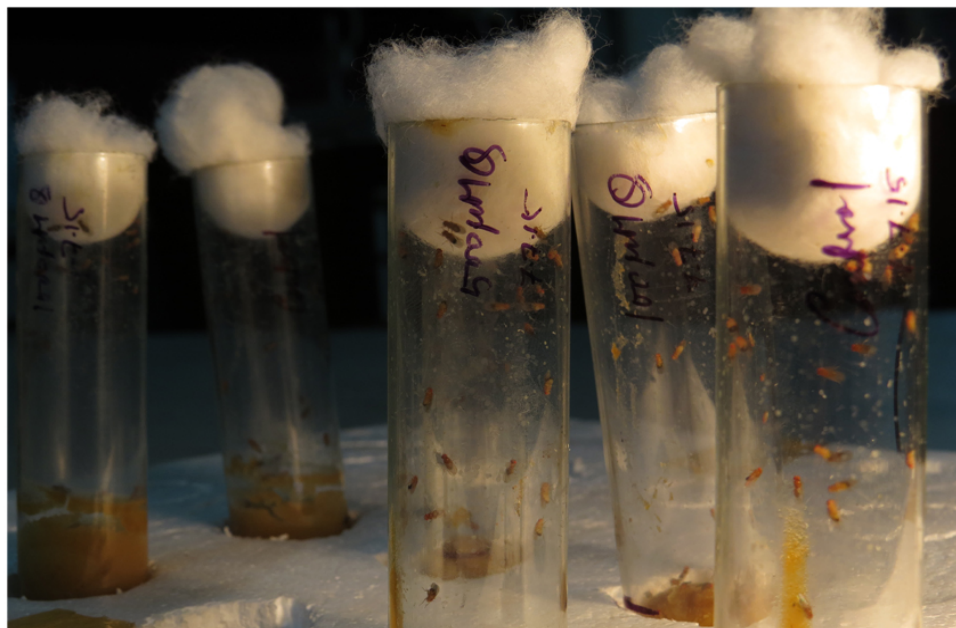


The waterbody in the Bhasa Campus utilised for aquaculture & research

3.3 RESEARCH FACILITIES

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The following research facilities are available for active research work within the college campus:



Drosophila Culture & Samples in the Zoology Lab

- The main campus is a fully Wi-Fi zone with 24hrs Internet facilities.
- Well-equipped laboratories in Physics, Chemistry, Geology. Geography, Statistics, Electronics, Botany. Zoology, Microbiology, Biochemistry, Environmental Sciences, Industrial Fish and Fisheries, Computer Science, Psychology etc.
- Soil and water Chemistry, Molecular Biology and Bacteriometry laboratory, in the Department of Environmental Sciences
- GIS and Remote Sensing Laboratory in Department of Geography
- Rock microscopy, Ore microscopy, Palaeontology, Coal Geology Laboratory, Rock Thin section preparation laboratory in Department of Geology.
- *Drosophila* culture maintenance, Cytogenetics and Molecular Biology laboratory in the department of Zoology.
- Algal Culture, Tissue culture, Cytology and Biotechnology Laboratory in Botany Department.
- Microbial Growth and Culture maintenance facility and Microbial Biotechnology laboratory in Microbiology Department.
- Biotechnology Laboratory under the BOOST scheme with latest instruments related to Biotechnology related research work.
- Rich collection of books and journals in the central and departmental libraries,
- Well-equipped Computer Laboratories with Printer and Photocopier facility.
- Regular visits and interaction with other research facilities, industrial institutions, excursions and field work.
- Videography by Department of Journalism and Mass Communication.

3.3.2 What are the institutional strategies for planning, upgrading, and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

To meet the needs of a fast developing centre of research activities, the college has undertaken a programme that includes the following:

- Campus extension : the newly-built Centenary Building is equipped with state-of-the-art infrastructure, including e-library, e-conferencing facility, laboratories
- Ensuring uninterrupted power supply through generator, power-backup systems and solar power units;
- Upgrading, renovation and expansion of laboratories.
- Establishment of BOOST laboratory for Biotechnology training and research.
- Applying for research grants from research organizations and industry.

- Keeping track of the various research projects funded by UGC, ISRO, DST, DBT, etc, and ensuring timely submission of relevant reports.
- Second campus for different Schools of interdisciplinary research, to be established in the Bhasa campus.



Smart Classroom & Instruments in the Physics Lab

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes' what are the instruments/ facilities created during the last four years?

Yes. Recently the College has applied for and received a grant of 45 lakhs (35 lakhs for purchase of Instruments and 10 lakhs for purchase of consumables) from the Department of Biotechnology, West Bengal under the BOOST scheme for setting up a biotechnology laboratory for to be used by faculty, research scholars and students of departments of Botany, Zoology, Biochemistry, Environmental Sciences and Microbiology, teaching and research.

Incidentally this is the highest amount of money allotted to any College in West Bengal. Purchase of modern instruments will benefit teaching and research activities, especially in the area of Biotechnology.

The fund is being utilized to purchase high end instruments like Thermal cycler, UV spectrophotometer, Western Blotting apparatus, DNA and protein Gel apparatus, Refrigerated Centrifuge, Millipore water purification system and other instruments for Biotechnology related work.

Table 3.3.3 INSTRUMENTS PURCHASED UNDER BOOST PROGRAMME

	INSTRUMENT	L1 BIDDER	MODEL/MAKE	UNITS	UNIT PRC
1	Refrigerated Centrifuge	LABCHEM AND LABORTENIK	HERMLE :2326K	1	429492.00
2	Table top centrifuge (Refrigerated)	LABCHEM AND LABORTENIK	HERMLE : Z 216M K.	1	238722.00
3	Laminar Air Flow Hood	INSTRUMENTATION INDIA	MICROFLOW	1	144900.00
4	Spectrophotometer	INDIAN INSTRUMENTS MFG CO	LABINDIA 3000+	1	480656.00
5	Water purification unit	INDO SCIENTIFIC AND SURGICALS PVT. LTD.	MILLIPORE	1	368000.00
6	Thermocycler	PATEL CHEM DE DRUGS	APPLIED BIOSYSTEM	1	292000.00
7	UV transilluminator	MEDILAB AND CO.	VILBER LOUMART	1	131250.00
8	Incubator shaker	MEDILAB AND CO.	EPPENDORF	1	199500.00
9	Protein gel transfer apparatus- 2 gels +power pack	NO 3 VALID TENDERS: TO REBID			
10	Pipettelman	MIRIFIC CHEMICALS	RIVIERA	8	3502.00
11	Pipette Aids	MIRIFIC CHEMICALS	RIVIERA	2	9398.00
12	DNA gel apparatus	INDIAN INSTRUMENTS MFG CO		2	62975.00
13	Powerpack	Wipro GE Healthcare		1	57480.00

		Pvt. Ltd			
14	Magnetic stirrer	DIGITECH SYSTEMS	TARSONS	2	28482.00
15	pH meter	MIRIFIC CHEMICALS	CyberScan pH Tutor meter	1	24948.00
16	Vortex	MIRIFIC CHEMICALS	REMI	2	5380.00
17	Semi microbalance	MIRIFIC CHEMICALS	WENZER	1	32292.00
18	Microwave	NO BIDDING : TO RETENDER			
19	Table top gel rocker	DIGITECH SYSTEMS	TARSONS	1	37635.00
20	Water bath	INSTRUMENTATION INDIA		1	13225.00
21	Heating Plate	NO BIDDING : TO RETENDER			
22	Refrigerator 350 lits	NO BIDDING : TO RETENDER			
23	-20°C freezer	INDO SCIENTIFIC AND SURGICALS PVT. LTD.	CELFROST	1	52505.00
24	Autoclave	INSTRUMENTATION INDIA		2	46725.00
25	Microscope	INSTRUMENTATION INDIA	DEWINTER EXCEL	1	108675.00

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/ other research laboratories?

The college has all necessary laboratory and research facilities needed for the smooth implementation of the curriculum. Faculty members and Research scholars get most of their required support from the infrastructure of the institution. However, in cases where precision instruments are needed off-campus infrastructural facilities of institutes and universities are utilized.

- Dr. Amitava Ghosh (Dept. of Botany) availed of the facilities of Bose Institute and the Institute of Chemical Biology Instrumentation Centre to procure SEM, HPLC, Mass Spectrometry for carrying out the UGC-sponsored Major and Minor research projects.

- The Geological Survey of India, Petrology Division (Kolkata), extended basic training on precision analytical instruments like Raman Spectroscope and Electron Probe Micro-analyser to the second year students of M. Sc. Applied Geology.
- Ms. Keyur De, JRF in the Department of Geology took training on planetary GIS platforms in the Laboratory of Space Applications Centre, ISRO, Ahmedabad.
- The Department of Zoology arranges for periodical visits to research institutes like NICED, CRNN, to learn instrumentation related to research, like Flow Cytometry, SEM, TEM.
- Research facilities of the Centre for Research in Nanoscience and Nanotechnology, Department of Zoology, Calcutta University, and the Department of Biotechnology, WBUT, are also availed of.
- The Department of Microbiology collaborates with Chittaranjan National Cancer Institute; Departments of Microbiology, Biochemistry, Botany, Bose Institute.

3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers.

- Each Postgraduate department maintains two different library segments, one of which is meant specifically for Postgraduate and research-level students.
- Fully computerized main library, seminar library, journals, INTERNET, INFLIBNET.
- Computer, Internet, Printing and Photocopying facility available even after college hours.
- Centenary building has got a e-library section
- The Postgraduate department of Geography has placed a proposal with the Syndicate body of Calcutta University for setting up a Research Centre for Ph. D. students.

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college – for e.g., laboratories, library, instruments, computers, new technology, etc.?

- Library facility, laboratories (including computer laboratories) and smart classrooms are available.
- The different postgraduate departments in science extend their laboratory facilities and technical expertise to students and staff of other departments if they require.
- A biotechnology laboratory under the DBT sponsored BOOST scheme is being set up to be used by faculty, research scholars and students of departments of Botany, Zoology, Biochemistry, Environmental Sciences and Microbiology.
- Collaborative research projects are being encouraged and carried out.

- Faculty Members are attached with collaborative research works with various other universities and institutes for example CU, Uttarbanga University, Jadavpur University, ISRO, Bose Institute, CNCI etc.
- Seminar hall (ICT enabled) has been established to held seminar/ symposium by all departments.

3.4 RESEARCH PUBLICATIONS AND AWARDS

3.4.1 Highlight the major research achievements of the staff and students in terms of

➤ **Patents obtained and filed (process and product): 2**

Dr. Keya Ghosh (Dept. of Chemistry): 1

Title: Method for producing ketones from carboxylic acid anhydrites.

Inventors: Likas Goossen, Keya Ghosh.

Application File Number: US 10/477,653; Publication Date: 23 Sep. 2004

Mr. Sandip Pal (Dept. of Zoology): 1

Title: Method for manufacture of antioxidant and radioprotective fermented tea product.

Inventors: Subrata Kumar Dey, Tanmoy Mondal, Gour Kanti Chandra, Sandip Pal.

Application File Number: 732/KOL/2014; Publication Date: 08 Jan. 2016

➤ **Original research contributing to product improvement**

- Major research project on Mulberry Leaf Peptide regarding improvement of artificial diet of silkworms leading to improvement in silk quality

➤ **Research studies or surveys benefiting the community or improving the services**

- **ECO CLUB:** Established in the year 2012, all the students of Department of Environmental Science (UG & PG), Faculty Members, Staffs and Co-ordinator are members of the Eco Club.
- Published articles based on surveys and research projects have helped to increase the scientific knowledge base of the community and enhance public awareness regarding various issues: social, environmental, economic, health (mental as well as physical) and disease related.

➤ **Research inputs contributing to new initiatives and social development**

- The research inputs by the various departments contribute to a better understanding of social and environmental issues leading to community development.

3.4.2 Does the Institute publish or partner in publication of research journal/s? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database.

The college is about to publish its Centenary Journal to publish research findings by the faculty members.

EDITORIAL BOARD: The Editorial board comprises faculty members and experts from different fields.

PUBLICATION POLICY: Exhaustive two-tier reviews are done and only the final approval of the Peer-Review Team is the recommending verdict.

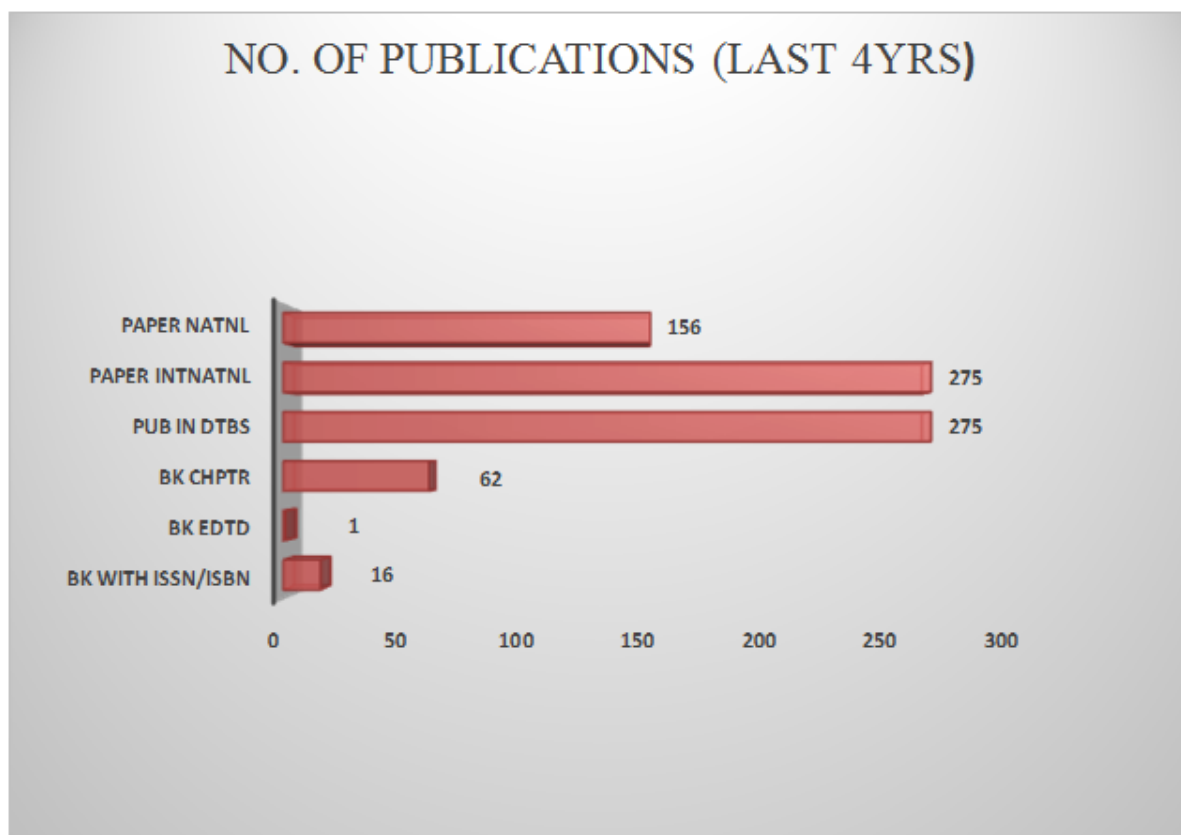
LISTING IN INTERNATIONAL DATABASE: Yes. It has been assigned ISSN number.

JOURNAL NAME	PUBLISHED BY	EDITORIAL BOARD
<i>Vista</i>	Teachers' Council, Asutosh College	Debika Halder Raikamal Dasgupta Sajal Bhattacharya Chandramalli Sengupta Sraboni Ray Bhaskar Mridha

3.4.3 Give details of publications by the faculty and students.

No. of Papers	National	156
	International	275
No. of Publication Listed in Database		275
Monographs		-
Chapter in Books		62
Books Edited		1
Books with ISSN/ISBN		16
No. of papers without ISSN/ ISBN		-
No. of Books/Chapters without ISSN/ISBN		-

**For details of publication by the faculty and the students please refer to Departmental Inputs*



3.4.4 Provide details (if any) of

*RESEARCH AWARDS RECEIVED BY FACULTY (LAST 5 YEARS):

TABLE 3.4.4. RESEARCH AWARDS RECEIVED BY FACULTY (LAST 5 YRS)

Department	Name of Faculty	Ph. D./ M. Phil	Year
Bengali	Dr. Manas Kabi	Ph. D. Kalyani University	2010
Economics	Dr. Maniparna Shyam Roy	Ph. D. Jadavpur University	2011

Electronics	Dr. Sourav Kumar Bhowmick	Ph. D. Jadavpur University	2014
Geography	Dr. Sayani Mukhopadhyay	Ph.D. Calcutta University	2013
History	Smt. Sebanti Bandyopadhyay	M.Phil. Calcutta University	2013
Philosophy	Dr. Chandrima Bhar	Ph. D. Jadavpur University	2014
Sanskrit	Dr. Arnab Patra	Ph. D. Jadavpur University	2011
	Dr. Deepa Bandyopadhyay	Ph. D. Jadavpur University	2010
	Sri Bhutnath Jana	M.Phil., Jadavpur University	2015

***RECOGNITION RECEIVED BY THE FACULTY FROM REPUTED PROFESSIONAL BODIES AND AGENCIES, NATIONALLY AND INTERNATIONALLY:**

- **Dr. Supatra Sen** of the Department of **Botany** is the recipient of the *Environmentalist of the Year* Award (2015) given by the Scientific and Environmental Research Institute and Confederation of Indian Universities, New Delhi.
- **Dr. Sruti Karmakar** of the Department of **Environmental Science**, won the *Dr. H. Sen Best Poster Presentation* Award instituted by the Indian Society of Coastal Agricultural Research.
- **Dr. Surjya Sarathi Bhattacharyya** of the Department of **Physics** was elected World Class University (WCU) Fellow by the Information and Display Laboratory, Dept. of Polymer and Nano Engg., Chonbuk National University, South Korea, from 2009-2011.
- **Dr. Surjya Sarathi Bhattacharyya** was also declared CNRS Scientist by the Institut de physique et Chimie des Materiaux de Strasbourg, Cedex, France.
- **Dr. Tinni Dutta** of the Department of **Psychology** received
 - Sahitya Pantha Purashkar* for her book *Rabindra Gaane Prakriti* (2015);
 - Rashtriya Gaurav* Award from India International Friendship Society (2014);
 - Annadashankar Roy Smriti Samman* for her book *Rabindra Bhavnaye Prem* (2013);
 - Ardhendu Kumar Chaudhry Smriti Puraskar* for analytical writings on Tagore (2012);
 - Sahitya Jagat Puraskar* for the book *Antarbritter Aloy* (2012).
 - International Gold Star Awaed Certificate of Excellence for meritorious service, outstanding performance and remarkable role from India.*

- **Dr. Sajal Bhattacharya** of the Department of **Zoology** received the *Mother Teresa International Award*(2014) for his contribution in the field of education.
- **Dr. Sajal Bhattacharya** has also been honoured with a biographical sketch entitled *Dr. Sajal Bhattacharya: An Outstanding Medico-entomologist* published by the Centre for Research in Medical Entomology (2015).

***INCENTIVES GIVEN TO FACULTY FOR RECEIVING STATE/ NATIONAL/ INTERNATIONAL RECOGNITIONS FOR RESEARCH CONTRIBUTIONS:**

- Appreciation and encouragement from Authority are expressed. Discussed as an agenda in the Governing Body,
- Award Certificate put up in Teachers Notice Board and uploaded in the website for public information.
- Mentioning in Prospectus and Annual Report.
- Sanction of Leave without hampering classes for carrying out Research work and Duty Leave to faculty for receiving state, national and international recognitions for research contributions.

3.5 CONSULTANCY

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The industry-institute interface is effected chiefly through

- **THE ACTIVITIES OF THE PLACEMENT CELL** which seeks to provide employment opportunities to students on completion of their academic curriculum by arranging Campus Recruitment drives by reputed Indian and multinational companies, like Cognizant, TCS, IBM, Wipro, ACC, Ranbaxy, ICICI Prudential, Pantaloons Retail, etc. Regular Job-fair is being organised.
- **THE UGC-APPROVED ADD-ON COURSES ON**
 - (i) Travel and Tourism
 - (ii) Hospital Waste Disposal Management
 - (iii) Industrial Chemistry

The Add-on courses equip students with the necessary professional skills required for jobs in the rapidly growing new sectors of industry.

➤ **THE B.VOC. AND COMMUNITY COLLEGE SCHEME:**

From 2014 the college has initiated

Diploma and Advanced Diploma courses under UGC approved Community College Scheme in

1. Mobile Communication
2. Software Development

UGC approved B.Voc. Courses in

1. Software Development
2. Industrial Aquaculture and Fisheries.

Both these courses are sponsored by UGC where the curriculum is designed in consultation with the Industry. The teaching learning, workshop facilities, employment consultancy are being provided by the industries.

TABLE 3.5.1. INDUSTRY INVOLVED IN BVOC AND COMMUNITY COLLEGE SCHEMES

B.VOC.	MAPLE TECHNOLOGIES SUPERTRON INFOTECH PVT. LTD. APEX BODY : MCC
COMMUNITY COLLEGE	SAMSUNG INDIA PVT.LTD. GEE-PEE MOBILE PVT.LTD. MAPLE TECHNOLOGIES SUPERTRON INFOTECH PVT. LTD. APEX BODY : MCC
B.B.A.	DEY'S MEDICAL TIDE WATER HINDUSTAN PAPER CORPORATION LTD NATIONAL INSURANCE COMPANY LTD POWER GRID CORPORATION OF INDIA LTD AMBUJA CEMENT LTD COAL INDIA LIMITED CESC LIMITED BANK OF BORADA ICICI BANK SBI UCO BANK HONDA BENGAL HARLEY DEVIDSON TIME BUSINESS SOLOUTIONS ESAB INDOFIL LTD

	ADITYA BIRLA JAYASHREE TEXTILE BARGER PAINTS PIZZA HUT COCA-COLA DIAMOND BEVERAGE LTD PRIYA FOOD LTD AIRPORT AUTHORITY OF INDIA INDIAN OIL CORPORATION LTD BM BIRLA HEART RESEARCH LTD CALCUTTA MEDICAL RESEARCH INSTITUTE ZINDAL LTD VISA POWER LTD SUZUKI STAR-BRUST MOTOR PVT. LTD BISK FIRM TAZZA TV ASIAN PAINT VODAPHONE AIRTEL INFINITY INFOTECH PARKS LTD EAST INDIA PHARMACEUTICAL WORKS LTD ROYAL ENFIELD AUSTRIAN LTD PRINTOFIX, VIP LUGGAGE ITC SONAR BANGLA
--	---

3.5.2. What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicised?

- Departments are given freedom to execute consultancy services so as to impart the knowledge and expertise of the faculty to the community/society if and when required.
- The College publicizes the expertise available for consultancy services through:
Inclusion in website, Publication, Seminar Presentation, Interactions with Concerned departments in Other Colleges & Universities.
- The college encourages its students and faculty to look beyond the syllabus and engage in innovative thinking and practice.
- For research-oriented activities the concerned departments are encouraged to organize and participate in seminars and interactive workshops (in the college and elsewhere), and to publish papers in academic journals.

- Promotion of consultancy services for society and the industry using the infrastructural facilities and human resources of the institution is encouraged.

3.5.3. How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- Members of the teaching staff selected as Resource Persons by other institutions/ organizations are sanctioned appropriate leave for such assignments.
- Departmental routine is adjusted to release the teacher for the specific duration of the consultancy service.
- The college encourages organisation and participation in various seminars, workshops, training programmes, counselling sessions, field visits, lectures on Radio and Television channels etc. from which the students as well as different communities of the society are highly benefitted.

3.5.4. List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The institution provides consultancy services through its faculty free of charge. However, the Resource Persons are given an *honorarium* (as per norms) by the consulting agency/ organization/ institution.

- Prof. Gautam Mahapatra, Guest Professor, member of the foundation committee of the Department of Computer Science, R.K. Mission Residential College, Narendrapur
- Prof. Gautam Mahapatra was appointed as the Subject Expert and committee member of several state run and affiliated schools like Mitra Institution, Tollygunge School, etc to start the Computer Science Course in HS Level (10+2).
- Prof. Gautam Mahapatra was appointed as the Subject Expert of the Interview Board for the selection of Assistant Teacher in Computer Science for the Higher Secondary Classes, Ramakrishna-Sarada Mission Girls School, Baranagar (2012).
- Prof. Gautam Mahapatra was appointed as the Subject Expert of the Interview Board for the selection of Contractual Whole Time Teacher (CWTT) in Computer Science for the Higher Secondary Classes under Govt. HS School, conducted by the West Bengal Public Service Commission (2010 and 2011).
- Dr. Paromita Chaudhuri and Dr. Sraboni Roy (Dept of English)

Participant-contributors in Question Bank Project on English Language and Comprehension conducted by the Staff Selection Commission (Eastern Region) in June and August, 2012

- Dr. Sraboni Roy (Dept of English)
Resource Person at the workshops organized for Graduate Trained Teachers of English in Kendriya Vidyalayas, in June and December, 2014.
- Sri Saurav Das (Dept of Geography)
Subject Expert in the panel of interviewers for selection of CWTT in Geography at Serampur College, Srirampur, Hooghly, in 2015.

3.5.5. What is the policy of the institution in sharing the income generated through consultancy (staff involved; Institution) and its use for institutional development?

The institution provides free consultancy services as and when approached.

3.6. EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

3.6.1 How does the institution promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

- The college advocates a holistic approach towards knowledge and in a system of education that is inclusive in nature. Our motto in the centenary year - *Inclusive Education*.
- Students and staff (both teaching and non-teaching), take part in various co-curricular activities.
- *Bhasa Shahid Dibas*, World Environment Day, Earth Day, are observed/ celebrated in the college.
- In order to integrate academics with social responsibility the college encourages the active participation of students in the activities through its NSS (Swachha Campus Avizan) and NCC units (Tree Plantation).
- The College has Village adoption program as part of Campus Diversity Initiation.
- The College organizes Blood Donation Camp, different Health Awareness Programme (Thalasaemia, Diabetes, Polio awareness Programme).

➤ NSS Unit

The NSS Unit of the college, under the supervision of Dr. Asish Das of the department of Geology, is involved in a host of activities aimed at benefiting the community, while proving to be character-building for the members involved, students and supervising staff. In the last few years, the unit has:

- Initiated **Cleaning and Beautification** drives in the Bhasa campus;
- Organized **Special camps** at the Bhasa campus to spread awareness regarding environmental pollution and concomitant health hazards;
- Conducted **surveys on health, hygiene, and income** of the residents in the neighbourhood of the Bhasa campus;
- Organized Thalassaemia Awareness camp in the college.
- Organized Diabetes Awareness Programme in collaboration with Peerless Hospital, Kolkata on 17th April, 2014
- Organized Polio Awareness Camp in Sonarpur, 24 Parganas(S) on 18th January, 2015.
- Organized Health Awareness campaign the slum areas behind AMRI Hospital, Dhakuria between 2nd November to 4th November, 2014.
- Organized seminars on Gender, Spirituality, and Increased Mental Pressure on Students and ways of tackling the same on 15th July, 2011.
- Participated in all NSS-related programmes of Calcutta University.
- It is through NSS initiative that the college has been declared a '**No Smoking**' zone.
- In **September, 2015**, the NSS Unit organized a musical show for the entertainment of the inmates of an old age home in Bansdroni, Kolkata (South).
- On **26 September, 2015**, a theatre performance by physically challenged children was also organized by the unit.

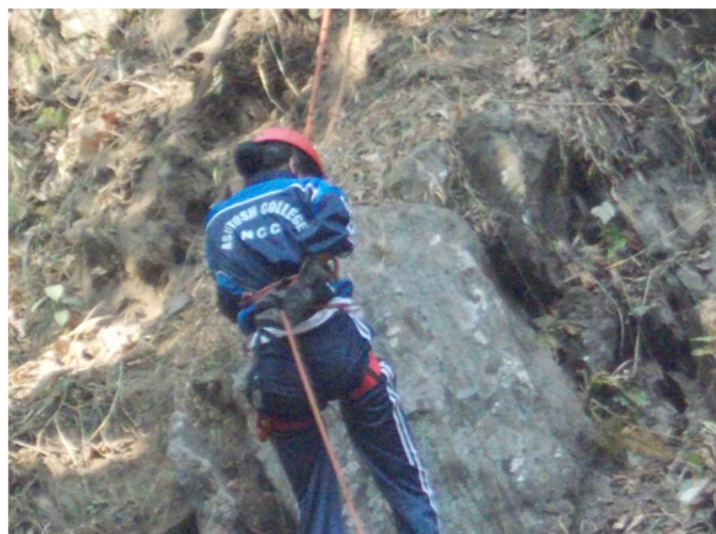
➤ NCC Unit

The NCC Unit of the college is affiliated to the 20 Bengal Battalion of the Indian Army. The process of recruitment of cadets- boys and girls- begins after the commencement of a new academic session.

In the last few years- 2011 onwards-, the NCC unit has organized

- A **tree planting programme** at the Bhasa campus;
- A **Walk**, jointly with the NSS unit, to mark National Unity Day (Birth Anniversary of Sardar Patel) on 31 October, 2014;

- The cadets also participate in all activities including camps organized by the Army's NCC wing, and with distinction.
- They also participate in different camps organised at National level, refer the table3.6.4B



College NCC Cadets attending camp in Rajasthan; a girl cadet participating in a Rock Climbing course

Faculty members of the college are involved in different extension activities and institutional social responsibility. Some of them are mentioned here in last four years:

➤ **DR. DIPAK KUMAR KAR (PRINCIPAL):**

Member of Senate/Syndicate/Committees of all Universities of West Bengal, Chairman of West Bengal College Service Commission, Resource person: WB Council of Higher Education, Academic Staff College of CU; General Secretary of All Bengal Principals' Council; Member of IQAC, JDC College.

➤ **DR. CHANDRAMALLI SENGUPTA (DEPT OF BENGALI)**

Resource Person/ Trainer at the Sensitisation, Awareness, and Motivational (SAM) Workshop conducted as part of the CBWMHE Project of the UGC.

➤ **SMT. RAIKAMAL DASGUPTA (DEPT OF ENGLISH)**

Resource Person at the Special Summer School organized by the UGC- Academic Staff College, Calcutta University, on 'Art and Aesthetics in Indian Culture and Literature' for college and university teachers, in July, 2012.

➤ **DR. PAROMITA CHAUDHURI & DR. SRABONI ROY (DEPT OF ENGLISH)**

Conducted two workshops on Philology for the English (Hons.) students of Vivekananda College for Women, Barisha, Kolkata, in 2010 and 2014.

➤ **SMT. RAIKAMAL DASGUPTA AND DR. SRABONI ROY (DEPT OF ENGLISH)**

Also involved in the activities of two NGOs committed to social upliftment, the Nivedita Vrati Sangha and the Centre for Sustained Support.

➤ **SRI RISHIRAJ PAL, GUEST TEACHER (DEPARTMENT OF ENGLISH)**

Invited as panel expert in a phone-in programme on career counselling on Kolkata TV, to speak on the scope of English Literature studies (programme telecast on 10th June, 2015).

➤ **DR. AVIPSHU HALDER (DEPT OF POLITICAL SCIENCE)**

Guest Reviewer for *Sport in Society*, published by Taylor and Francis, Routledge.

➤ **DR. PAROMITA CHAUDHURI (DEPT OF ENGLISH)**

Associated with the Braille Press Unit (Baruipur) of the Blind Persons' Association, Selimpur-Dhakuria, where she volunteers her services as a proof-reader for the final proofreading of Braille texts pertaining to Humanities prior to publication.

3.6.2. What is the institutional mechanism to track students' involvement in various social movements/ activities which promote citizenship roles?

- All activities related to the NCC and NSS are supervised by members of the teaching staff (Dr. Paromita Roycaudhuri of Dept. of English and Dr. Asish Das of Geology Dept).
- All the cultural programmes in which the students of our college are involved are supervised by the teachers (Prof. Raikamal Das Gupta of Dept. of English) and the committees formed by the teachers (Prof. Krishna Basu, Dr. Chandramalli SenGupta of Dept. of Bengali).
- The information brochure or the poster for notification of the events which comes to the principal is displayed properly in the notice board and Website

- Sometimes the notifications are made available to the students through internet facilities and SMS. The faculty always keep close contact with the students union to involve the students in various social activities.

3.6.3. How does the Institution solicit stakeholder perception on the overall performance and quality of the Institution?

The institution is constantly striving towards improving in every aspect- academic as well as socio-cultural- by providing students with all modern advantages of education, including opportunities for co-curricular activities and the scope for involvement in community-related work, and the staff with a healthy working atmosphere conducive to research. As an institution we continually strive towards providing better service to our stakeholders.

- The College Governing Body meets regularly to discuss administrative issues, formulate policies for better quality of education and resolve problems that have the potential to threaten the academic atmosphere.
- Information regarding the college including its history is provided to students through the Prospectus and also orientation programme organised at the beginning of academic session.
- The democratically elected Students' Union has the charge of publishing the Annual College Magazine, organizing students' events and the College Fest. Critical inputs are solicited from the Students' Union so that healthy students-staff-administration relationship is maintained.
- Free Remedial Coaching classes are arranged for SC/ ST/ OBC/ Minority/ weaker students.
- Regular feedback from students and their guardians are also welcomed.
- Parent/ Guardian- Teacher meetings are held regularly in the departments.
- There is a Grievance Redressal Cell which tackles discipline and harassment-related issues.
- We have recently introduced a method of taking students feedback regarding academics, the library and general environment of the college. This feedback enables us to keep up our standards in every aspect.
- The Asutosh College Training Centre (ACTC) established in the Platinum Jubilee Year of the college offers training for various entrance examinations like WBCS, NET, SET, SSC, Certificate Course in Export-Import, Advanced Diploma course in Safety Engineering, and classes in soft skills development.

- The students are always encouraged in participation of all kinds of Sports and Games arranged by other colleges or universities, district level or state level. They are allowed with leave, as these activities are also part of their career.
- Our students are also very rich in their cultural activities, they are always allowed to participate in various competitions arranged by others, and their success is being appreciated by all of us. This kind of interaction with the society makes them complete human being.
- The NCC and NSS unit of the college take part in various kind of works of Social responsibility.
- Through Career Counselling Programme arranged by different departments with the help of Industrial person help to build the Entrepreneurship aptitude. Recently in such a programme the director from a Biofertiliser production company encouraged the students of Microbiology to go for entrepreneurship rather searching for a job.

3.6.4. How does the institution plan and organize its extension and outreach programmes? Providing budgetary details for the last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- The main objective of the activities of both the NCC and the NSS is geared towards character-building of the country's youth by instilling in them the values of discipline and hard work, and reinforcing the sense of community— crucial to the task of nation-building.
- Students and staff are encouraged to involve themselves in the activities and programmes of the two units.
- The members of the staff who are in charge of the two units also have the responsibility of managing the expenses involved in the running of the same. The expenses are reimbursed by the college for the NCC (running expenses and the cost of uniforms and ancillary gear), and for the NSS, by Calcutta University.
- The TAWA (Travelling and Washing Allowances) bills of the NCC Cadets are presented to the affiliating unit, 20Bengal Battalion, which disburses the amount to the CTO/ANO, who in turn, disburses the same among the cadets individually.

TABLE3.6.4A: EVENTS ORGANISED BY THE NSS UNIT ASUTOSH COLLEGE

DATE	EVENT
12 TH JANUARY, 2011	National Youth day observed by NSS unit
15 TH TO 21 ST FEB 2011	Special Camp at BHASA South 24 Parganas on “Women and Child health care Awareness” where more than 50 families participated and were benefitted.
	Cleaning and beautification programme at Asutosh College second campus in Bhasa
5 TH JUNE 2011	Walk for the Environment Programme
15 TH JULY 2011	Seminar on Gender and Spirituality
26 TH AUG 2011	Blood donation camp in the College in collaboration with Students Union
9 TH JAN 2012	Participated in workshop on “Youth for Social Change”
12 TH JAN 2012	Observed National Youth Day to commemorate the Birthday of Swami Vivekananda
	Seminar on “Increased Mental Pressure and Tension in students life and how to tackle it”
16 TH TO 22 ND FEB 2014	Special camp in the Slum Area near Dhakuria on Women and Child Health Care Awareness” where a large number of families participated and were benefitted.
	Programme on “DIABETES and its harmful effects” followed by free check-up. Doctors of Peerless Hospital and NRS hospitals were participants.
	Polio awareness programme for people of slum areas of Sonarpur.
	A two day programme of cleaning the college and its surroundings as part of the SWACH BHARAT AVIJAN
	A procession to celebrate COMMUNAL HARMONY DAY to commemorate the Birth Anniversary of Sardar Ballavbhai Patel
	NATIONAL NSS DAY celebrated. Theatrical show was staged.
	Attended and Participated in NSS meet in Ramakrishna Mission

TABLE3.6.4B: EVENTS BY THE NCC UNIT ASUTOSH COLLEGE

YEAR	REGULAR ACTIVITIES	SPECIAL ACTIVITIES
2012	Participated in Republic Day Camp (Delhi)	College NCC unit upgraded to platoon
	Participated in SNIC Rajasthan	
	Participated in Mahashtra trekking camp	
	Interactive session with NCC officer, 20 Bengal Battalion for recruitment of cadets	
2013	Participated in NIC camp Gujrat	Unit organised a Tree plantation Programme at Bhasa Second campus
	Participated in CATC VI Raypur	
	Participated in CATC Madhayamgram	

	Participated in ALC Fort William , Kolkata	
	Participated in SNIC Lakshadweep	
	Participated in Water Rafting Camp, Tiveni	
	Participated in IMA camp Dehradum	
	Participated in OTA Camp, Kamptee	
	Participated in CATC Camp Raypur	
	Participated in CATC Camp Diamond Harbour	
2015	Participated in SNIC Camp Ladakh	Participated in First Inter-college sports Tournament of 20 Bengal battalion.
	Participated in Army attachment camp	

3.6.5. How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other national and international agencies?

The institution encourages the active involvement of students and staff in activities which promote the well-being of society, including participation in the NCC and NSS activities.

- Dr. Asish Das of the Department of Geology is currently in charge of the NSS Unit of the college. In the recent past, Sri Siddhartha Kar (Dept. of Sociology), Dr. Manas Kabi (Dept. of Bengali), and Dr. Chandrima Bhar (Dept. of Philosophy) have steered the activities of the NSS Unit.
- The NCC unit of the college was revived in 2011 after a decade-long gap. Dr. Paromita Chaudhuri (Dept. of English) was the first CTO of the re-launched unit (2011-'12), followed by Sri Ashis Sahu (Dept. of English) from 2012-'14, Sri Ramkrishna Das (Dept. of Industrial Fish and Fisheries) from 2014-'15. [Other members of the college staff are also actively involved in running the two units and regularly help out with organizing various programmes of the two units.]
- Smt Raikamal Dasgupta of the Department of English, is actively involved in the activities of two NGOs committed to social upliftment, the *Nivedita Vrati Sangha* and the *Centre for Sustained Support*.
- Dr. Paromita Chaudhuri of the Department of English is associated with the Braille Press Unit (Baruipur) of the *Blind Persons' Association*, Selimpur-Dhakuria, where she volunteers her

services as a proof-reader for the final proofreading of Braille texts pertaining to Humanities prior to publication.

- Dr. Chandrima Bhar of the department of Philosophy is currently engaged in collaborating on articles related with 'e-pathsala', a UGC-funded project.

3.6.6. Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from underprivileged and vulnerable sections of society.

In keeping with its centenary motto- *Gyan jetha mukto* (Where Knowledge is Free) the college has the responsibility of honouring its pledge of disseminating knowledge to all irrespective of the barriers of caste, creed, economic status, or physical health.

The institution focuses not merely on mainstream academic programmes, but also on courses and programmes designed especially for students (a) with weak academic abilities; (b) belonging to economically backward families with the urgent need of a job; (c) whose age/circumstances prevent them from attending regular courses. These include the following:

- System of **remedial classes** (UGC-funded) for students belonging to SC/ ST/ OBC/ Minority categories who are slow learners and require additional teaching hours;
- UGC-approved **Add-on courses** on Travel and Tourism, Industrial Chemistry, Hospital Waste Disposal management;
- Postgraduate courses in English, History, Political Science, and Environmental Science through **Distance mode** under Vidyasagar University;
- Diploma and Advanced Diploma courses in Mobile Communication and Software Development under UGC-approved **Community College scheme**;
- **B. Voc.** courses (UGC-approved) in Software Development, Industrial Aquaculture and Fisheries.
- The N.S.S. Unit of the college conducts awareness camps during which students spread awareness of diseases like thalassemia, polio and other social problems in neighbouring economically backward areas.
- The NSS unit conducted surveys on health, hygiene, and income of the residents in the neighbourhood of the Bhasa campus.

3.6.7. Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The major extension activities, in which students of the institution participate, fall under the purview of the NCC and NSS. These activities enable them to become responsible citizens of the nation by

- Making them understand the community, its needs, problems and issues;
- Instilling in them the need for cooperation and teamwork in community
- Developing in them leadership qualities without the aggressiveness;
- Developing in them the ability to cope in situations of crisis;
- Developing their survival skills;
- Boosting their levels of confidence and self-esteem;
- Making them more sensitive to the needs of others less privileged- economically, socially, academically;
- Nurturing the spirit of national integration.

3.6.8. How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail the initiatives of the institution that encourage community participation in its activities.

The college prides itself in being a centre to which the neighbouring community can turn to, not only for high quality education, but also for other social services.

- The college initiated **Cleaning and Beautification** drives in the Main Campus and the Bhasa campus, where not only the campus but also the surrounding areas are cleaned.
- The College has established Community College under UGC approved Community College Scheme.
- The College has established Community College.
- The NSS unit of the college organized **Special camps** to spread awareness regarding environmental pollution and concomitant health hazards to the general public.

- The NSS unit of college organizes Thalassemia Awareness camp, Diabetes Awareness Programme in collaboration with Peerless Hospital, Kolkata Organized Polio Awareness Camp in Sonarpur, 24 Parganas(S).
- Organized Health Awareness campaign the slum areas behind AMRI Hospital, Dhakuria
- The NSS Unit organized a musical show for the entertainment of the inmates of an old age home in Bansdroni, Kolkata (South).

3.6.9. Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

In the last few years the college has developed constructive relations with many local institutions enabling the smooth conduct of outreach and extension activities. The main campus is being shared by other two colleges, one at morning (Jogomaya Devi College) and other at evening (Syamaprasad College) – A reflection of optimum utilisation of infrastructure.

The following table gives details of the same.

TABLE 3.6.9 COLLABORATION WITH INSTITUTIONS/ORGANISATIONS

NAME OF DEPARTMENT	COLLABORATION WITH INSTITUTION/ORGANISATION
BIOCHEMISTRY	<ul style="list-style-type: none"> ➤ Thalassemia Awareness Programme (In association with Suchetana NGO' & National Medical College) ➤ Cancer Awareness Programme among College students Indian Cancer Society (Kolkata Branch) ➤ Biochemical Diversity Encompassing Advanced Sustainable Development (In association with Vivekananda College) ➤ Thalassemia Awareness Programme (In association with Suchetana NGO' & School of Tropical Medicine)

MATHEMATICS	➤ National Seminar on “Tribute To Sir Asutosh Mookerjee on 150 th Birth Anniversary” organized by Asutosh Mookerjee Memorial Institute In collaboration with Asutosh College, Kolkata
BOTANY &MICROBIOLOGY	➤ Seminar on present scenario and future prospects of Microbiology and Plant Biotechnology In collaboration with Bose Institute
GEOGRAPHY	➤ UGC sponsored National Conference on Recent Researches in Earth System Science, Asutosh College, Kolkata., In collaboration with Geological, Mining and Mineralogical Society of India, and Geographical Society of India, Calcutta University, Kolkata
STATISTICS	➤ National seminar on Advances in Statistics: Techniques and Applications In collaboration with Calcutta Statistical Association

Apart from the above our Institution is involved in interactive sessions and other out-reach activities with several Industries in and around Kolkata. Students visit several production units of Companies like Tea Estate, Mother Dairy, IFB Agro Ltd, Mushroom Culture unit, Sericulture unit Apiculture unit of Bose Institute in Falta etc. On these visits, the students observe the actual production procedure of various industrial products and interact with the production engineers and executives. The students are highly enlightened and hugely benefited from the sessions.

3.6.10. Give details of awards received by the institution for extension activities and contributions to the social/ community development during the last four years.

AWARD RECEIVED BY COLLEGE:

- The college has been awarded **MOTHER TERESA INTERNATIONAL AWARD** for Best College in the year 2012
- The India Today-Nielson Survey as the **2nd best college in Kolkata** in Science Teaching and in All-India basis the college has been placed in **38th position in Science Education** in 2015.



Principal receiving the Mother Teresa International Award for the best College of the year 2012

AWARD RECEIVED BY STUDENTS:

Apart from the college, the students also have received many awards on behalf of college for their various extension activities.

- A team of 2nd year (Honours) students (Debaditya Mukhopadhyay, Manali Sarkar, Samhati, ArunavaNaskar, Debarghya Das) got 2nd prize in a dynamic model presentation competition in the IIT Kharagpur in the year 2013.

ASUTOSH COLLEGE SSR 2015

- College and secured 1st position in poster presentation. A team of B.Sc. 2nd Year (Honours) students (Soumyadip Banerjee, Debasmita Ray, Debayan Pal) participated in ISM Dhanbad- Geo Confluence 2014 and stood 2nd in Geo- Modelling and 1st in Photography
- A team of Microbiology honours students attended 19th Dipta memorial Symposium (Science quiz competition), Bose Institute and secured First position in 2011
- A team of Microbiology honours students attended 20th Dipta memorial Symposium (Science quiz competition), Bose Institute and secured Second position in 2012
- Two teams of Microbiology honours students attended National seminars on Modern Trends in Microbiology Chapter IX: St. Xavier's College and secured 1st and 2nd position in poster presentation in 2012.
- A team of Microbiology honours students attended National seminars on Modern Trends in Microbiology Chapter IX: St. Xavier's on in 2013.
- Team from Asutosh College: Winner of Kolkata District Youth Parliament Quiz Competition 2015-16 arranged by Govt. of W.B.
- Team from Asutosh College: Won the First Prize in Mock Parliament Competition 2015-16 arranged by Govt. of W.B.
- Anirban Mitra & Anushua Banerjee: 1st place in Paper Trail at Young Economists Students' Meet, 2016 organized by Department of Economics, Jadavpur University, 2015



AWARD RECEIVED BY NSS

- Runners Up in Football in the First Inter College Sports tournament of 20th Bengal Battalion in 2015.
- Third in 4 × 100 mt Relay Race in the First Inter College Sports tournament of 20th Bengal Battalion in 2015.

3.7. COLLABORATION

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities? Cite examples and benefits accrued of the initiatives- collaborative research, staff exchange, sharing facilities and equipment, research scholarship, etc.

Members of the faculty are involved in collaborative research with scholars and scientists from other institutions/ universities/ organizations

- **COLLABORATIVE RESEARCH:** Collaborative research has resulted in use of latest instruments and technology for research activity and the generation of new idea in research.
- **STAFF EXCHANGE:** Research work in the institution is largely interactive. Exchange of staff is not possible within the existent rules of the institute but informal exchange is in practice.
- **SHARING FACILITIES & EQUIPMENT:** Laboratory and Equipment are shared by the collaborating individuals and participating collaborators if and when needed.
- **RESEARCH SCHOLARSHIPS:** Collaborative schemes allowed induction of research scholar if and when needed.

For example Dr Avik Kundu has a research scholar working on a collaborative project with Dr. Prakash Chauhan, Scientist - SG & Head, PMD, MPSG/EPISA, Space Applications Centre (ISRO), Ahmadabad and Dr. Nilanjan Dasgupta, Associate Professor, Department of Geology, Presidency University on : “Structural patterns within the Noachis Terra: Implication on Martian tectonics.”

TABLE 3.7.1 LIST OF COLLABORATIVE RESEARCH

Name of the Faculty	Department	Collaborative Research
DR. SOURAV KUMAR BHOWMICK	ELECTRONICS	With Dr. Syamal K. Dana, Emeritus Scientist, CSIR-Indian Institute of Chemical Biology, and Dr. Prodyot Kr Roy, Emeritus Prof., Presidency University, ON Chaos Synchronization. With Dr. Dibakar Ghosh, Assistant Prof., Physics & Applied Mathematics, ISI, and Dr. Pinaki Pal, Assistant Prof., Mathematics, NIT, Durgapur on Chaos Control and Synchronization.

DR AMITAVA GHOSH	BOTANY	Co-investigator in a research programme on Waste water and the Water of the Ganges, conducted by the Civil Engg. Dept of Jadavpur University.
DR. ABHIK KUNDU	GEOLOGY	With Dr. Prakash Chauhan, Scientist - SG & Head, PMD, MPSG/EPSC, Space Applications Centre (ISRO), Ahmedabad and Dr. Nilanjan Dasgupta, Associate Professor, Department of Geology, Presidency University. on : “Structural patterns within the Noachis Terra: Implication on Martian tectonics.”
DR. SURJYA SARATHI BHATTACHARYA	PHYSICS	With Prof. Seung Hee Lee of Chonbuk National University, South Korea on Electromechanical properties of Carbon nanotube Liquid Crystal System.
DR. AVIPSHU HALDER	POLITICAL SCIENCE	With Dr. Kaushik Bandyopadhyay, Associate Prof. of History, WB State University.
DR. TINNI DUTTA	PSYCHOLOGY	Collaborative Research (Indian Institute of Psychometry) on (a) Distraction Analysis & (b) Value Preferences/ Personality Pattern.
DR. SHIRSENDU MUKHERJEE	STATISTICS	Collaborative Research work with Dr. Uttam Bandyopadhyay, Dept. of Statistics, CU, in (a) Adaptive Crossover Design; (b) Inverse Sampling Design.
DR. SANKHA BHATTACHARYA	STATISTICS	Collaborative Research work with Dr. Uttam Bandyopadhyay, Dept. of Statistics, CU, in Time Series.
DR. DHIMAN DUTTA	STATISTICS	Collaborative Research work with Dr. Uttam Bandyopadhyay, Dept. of Statistics, CU, in (a) Non-parametric Inference; (b) Inverse Sampling Design.
DR. TATHAGATA RAY CHAUDHURI	BOTANY	Collaborative Research with Prof. Tapas Dasgupta, Department of Agricultural Science, CU. Collaborative Research with DR. Surekha Kundu, Department of Botany, CU.

ASUTOSH COLLEGE SSR 2015

3.7.2. Provide details on the MoUs/ collaborative arrangements (if any) with institutions of national importance/ other universities/ industries/ Corporate entities, etc., and how they have contributed to the development of the institution.

- MoU was signed with Department of Biotechnology, West Bengal regarding funding for developing a Biotechnology Laboratory at Asutosh College.
- The collaborative arrangement has resulted in a sanction of 45 lakhs for purchase of Instruments for the Biotechnology Laboratory of Asutosh College.
- Certificate course of Export-Import is also carried out according to MOU with EBD and CI
- Courses of management is conducted according to the MOU signed with PEERLESS Co.
- Computer technology and application course is running according to the MOU signed with Institute of Computer Engineers
- The ADD-ON courses of Travel and Tourism, and Disaster Management are going to sign MOU in near future
- College is interested to sign the MOU with NSOU for different other courses.
- B.Voc. and Community College have signed MoU with the following industrial partners:

TABLE 3.7.2 LIST OF INDUSTRIAL PARTNERS

Name of the Course	Industrial Partners
Software Development	Supertron Infotech Maple Technologies
Mobile Communication	Gee Pee Infotech Pvt Ltd Divine Electro Solution
Industrial Aquaculture and Fisheries	IFB Agro Industry Ltd The Seafood Exporters Association of India
DOEACC	Indian Institute of Computer Engineering
Safety Engineering and Management	Verde Ventures Pvt Ltd PABSTA Engineers India Ltd

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/ creation/ upgradation of academic facilities, student and staff support, infrastructure facilities of the institution viz., laboratories/ library/ new technology/ placement services, etc.

The institution is part of the community and for it to be truly enriched, there must be a mutual give-and-take relationship between the two, just as there must be an interface between institution and industry, for academic and infrastructural uplift.

- B.VOC./ COMMUNITY COLLEGE has been established following the guidance from their Industrial partner for each course
- The laboratories of these courses has been build up according to the suggestions made by them
- The renovation of the Zoology laboratory has been partially funded by the UGC.
- BOOST laboratory was established by support from DBT West Bengal
- The Placement Cell acts as the link between the college and industry- it arranges campus recruitment drives by companies, both Indian and multinational.
- Workshops and seminars also provide opportunities for a productive interaction between institution-industry-community.
- BBA course is conducted keeping direct attachment with various industries as listed earlier.

3.7.4. Highlighting the names of eminent scientists/ participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

TABLE 3.7.4A. LIST OF CONFERENCES / SEMINARS BY EMINENT SCIENTISTS/PARTICIPANTS

Year	Conference / Seminar	Department	Speakers
19/01/11	Songs of Innocence - Adult concern to children literature	English	Binayak Bandyopadhyay-author Alumnees Dr.Chandreyee Neogi-Asso. Prof. English J.U. Dr. Shabina Nishat Omar Milli Amin College Dept. Eng. Dr.Niladri R. Chatterjee Asso Prof. English .K.U. Dr. Jaya Mitra Noted Literarey Personality. Dr.Sobha Chattopadhyay.Retd.prof. Dept. of Eng. J.U. Prof Ramakrishna Bhattacharya Retd. Asso. Prof Anandamohan.
9-10/03/11	Present Scenario and Future prospects of Microbiology and Biotechnology.	Botany Microbiology	Prof.Dhrubajyoti Chattopadhyay,Prof. K.R. Samaddar,Dr. Pratima Sinha(Bose Inst.), Dr. Ruma Pal(C.U. Botany), Dr. Debabrata Basu (Bose Institute), Dr. maître Bhattacharya (C.U. Biochemistry), Dr. sagarmoy Ghosh (C.U. Microbiology), Dr. Surekha Kundu (C.U. Botany), Dr. A.K. Mukherjee (Univ. of Burdwan), Dr. A. Sur (Metro Dairy Ltd.)
30/7/11	Thoughts of Rabindranath - 150th of Birth Anniversary.	Physics	Dr. Subhankar Chakraborty/ Dr.Angsheetosh Khan Paschimbanga Vigyan Mancha.
6-7/9/11	Ami Bichitrer Doot:Rabindrajiban Dristi	Bengali	Dr.Suranjan Das(V.C.)C.U. Smt. Bani Basu, Eminent Author

	Bhabanar Barnali		Prof. Pabitra Sarkar, Ex VC, RBU Prof. Pallab Sengupta (Retd.), RBU Prof. Susanto Das, RBU Dr. Chandramalli Sengupta, Asutosh College Sri Abdul Kafi, JU Sri Subhamoy Mondal, Eminent Author
13/9/11	DOEACC Computer course	ACTC	Members of IT section
23/11/11	Study of Environmental Science: Its Aspects and Future	ENVS	Dr. Chittotosh Mukherjee (Ex-chief Justice) Prof. Alope Mookerjee, Flakt India Dr. Ashish Ghosh, ZSI Dr. Anjali Pal, IIT, KGP Dr. Debdas Ray, Geology, Asutosh College Mr. Jayanta Basu, The Telegraph Dr. Tapas Gupta, WBPCB Mr. Tapas Saha, IESWM Dr. P.K. Sikdar, IISWBM Dr. Udayan Bhattacharya, Env. Sc., Asutosh College Dr. Aniruddha Mukhopadhyay, Env. Sc., C.U.
10-11/02/12	Recent Researches in Earth System Sciences	Geography & Geology	Prof. D. Mukhopadhyay, IIT Roorkee Prof. D. Mukhopadhyay, C.U. Prof. H. Betal, C.U. Prof. M. Mukhopadhyay, V.U.
5/03/12	Design yourself	Electronics	Faculties of Dept. of Electronics
5/06/12	World Environment Day	ENVS	Prof. Sujoy Basu-Ex Dir. School of Energy Studies, J.U. Dr. Abhishek Roy-Research Scientist DAO Chemicals USA Prof. S.C. Santra, Env.Sc., K.U. Dr. A.K. Ghosh, Centre for Env. And Development Dr. Anjali Pal, Dept. of Civil Engg., IIT, KGP Dr. Anita Chattopadhyay Gupta, Economics, Muralidhar Girls College Dr. Debdas Ray, Geology, Asutosh College Dr. Dibyendu Sarkar, Env. Management, Montclair State Univ.
13/05/13	Perspectives of Medically Important Arthropods	Zoology	Speakers: Prof. Gautam Saha, Zoology, C.U. Prof. A.K. Hati, Ex-Director, Calcutta School of Tropical Medicine
20/3/15	Gender and Identity :Some Philosophical Reflections	Philosophy	Dr. Rajashree Basu Dept. of Pol Sc. RBU Dr. Proyash Sarkar & Dr Atashi Sinha Dept of Philosophy, J.U.
8-9/11/13	Mathematical Contribution of Sir Asutosh Mukherjee and Current Trends in Teaching and Research	Mathematics	Prof. Jyoti Das, Retd. Professor, University of Calcutta. Prof. A. B. Roy, Retd. Professor, Jadavpur University. Prof. Chittabrata Palit, Retd. Professor, University of Calcutta. Prof. Mantosh Dasgupta, Retd. Professor, University of Calcutta. Prof. Shyamal Chakraborty, Professor, University of Calcutta. Ms. Debdatta Chakraborty, Guest Lecturer, Asutosh College. Prof. Sanjay Sen, Retd. Professor, University of Calcutta. Prof. Rathin Mukherjee, Retd. Professor, University of Burdwan. Prof. Mridul Kr. Sen, Retd. Professor, University of Calcutta.

			<p>Dr. Indranil Mukherjee, Professor, University of Calcutta.</p> <p>Dr. Rajkumar Roychowdhury, Retd. Professor, ISI Calcutta. Prof. Rabin Sen, Professor, University of Calcutta.</p> <p>Prof. Shamik Ghosh, Professor, Jadavpur University.</p> <p>Dr. Asok Das, Professor, University of Calcutta.</p> <p>Prof. Joydeb Chattopadhyay, Professor, ISI, Calcutta.</p> <p>Prof. Dilip Ganguly, Retd. Professor, University of Calcutta.</p>
14-15/12/13	UGC Sponsored Seminar Biochemical diversity Encompassing Advanced Sustainable Development	Chemistry/ Biochemistry	<p>Dr. Dhrubajyoti Chattopadhyay, Pro V.C. C.U.</p> <p>Dr. Aditi Nag Choudhury, Lady Brabourne College</p> <p>Dr. Krishna Chakraborty, Biochemistry, C.U.</p> <p>Dr. Santasree Majumdar, Vivekananda College</p>
16/12/13	Lecture series in Dept of Zoology on completion of 40 yrs of Hons.		<p>Dr. Sandeep Poddar Dir. Operation & Research, Lincoln College, Malaysia</p> <p>Dr. Anup Palit Senior Sc. NICED, KOLKATA</p>
19-20/12/13	National Seminar on <i>Advances in Statistics: Techniques and Applications</i>	Statistics	<p>Prof. Bimal Kumar Roy, Director, Indian Statistical Institute, Kolkata</p> <p>Mr. Swaraj Nath, Ex-DG, Central Statistical Office</p> <p>Mr. Atanu Shasan Basu, DDG, Central Statistical Office</p> <p>Prof. Tathagata Bandyopadhyay, IIM, Ahmedabad</p> <p>Prof. Sugata Sen Roy, Department of Statistics, University of Calcutta</p> <p>Dr. Gourangadeb Chattopadhyay, Department of Statistics, University of Calcutta</p> <p>Prof. Alok Goswami, Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata</p> <p>Prof. Probal Chaudhuri, Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata</p> <p>Prof. Indranil Mukhopadhyay, Human Genetics Unit, Indian Statistical Institute, Kolkata</p> <p>Prof. Arnab Chakraborty, Applied Statistics Unit, Indian Statistical Institute, Kolkata</p> <p>Mr. Raj Goutam Mitra, Chief of Demographic and Social Statistics Section, African Centre for Statistics</p> <p>Dr. Rajib Acharya, Population Council, New Delhi</p> <p>Mr. Onkar Prasad Ghosh, DDG, NSSO</p> <p>Dr. Rahul Bhattacharyya, Department of Statistics, University of Calcutta</p> <p>Dr. Shovan Chowdhury, IIM, Kozhikode</p> <p>Mr. Satyaki Bhattacharyya, IBM</p>
8/2/14	Awareness Programme on opportunities and prospects at the National Sample Survey office	Statistics	<p>Mr. V.K. Dubey, Deputy Director, Field Operations Division, NSSO</p> <p>Mr. Onkar Prasad Ghosh, DDG, NSSO</p>
10/9/14	Emerging Paradigms in English Language	Communicati ve English	<p>Mr. PK. Chatterjee, Asst. Dire. AIR Kolkata</p> <p>Mr. M.K. Pradhan Reg. Dir. TOI</p> <p>Prof. A. Saha Asst. Prof. School of Language & Linguistic, JU</p>
26/9/14	Pharmacovigilance and Drug	Biochemistry	<p>Suranjoy Roy, Khushbu Roy, Novartis</p>

	Effects		
8/02/15	Improvement in Mathematics Teaching	Mathematics	Prof. Saugata Roy, Ex. Prof of Asutosh/GB members Dr. P.Y Rajendra Kumar Dir National Library Prof. Ranjan Bhattacharya, V.C. Rabindra Bharati
2015	UGC- sponsored Seminar- <i>Relevance of Career-Oriented Add-on Courses in the Present day Context</i>	Add-on Courses	



Seminar of Botany 2011

TABLE3.7.4 B. LIST OF SPECIAL LECTURES

Date	Special Lecture	Department	Speaker
4/03/11	Acharya Ray –his life and works	Chemistry Biochemistry	Prof.Dhrubajyoti Chattopadhyay,Pro V.C.(Academic) C.U.
12/05/11	Technology Enabled Teaching and Learning	ACTC	
23/08/11	Origin of life in the light of Biology,Physics and Upanishad	Zoology	Dr. Kamalesh Mishra,Associate Prof. of Zoology
02/04/12	Outreach to Asutosh College – Higher Education in USA	Asutosh College	US Consulate General
1/3/13	Indian Materialism	Philosophy	Prof. Ramakrishna Bhattacharya Indian Council Philosophical Research
	Logic: Traditional & Modern	Asutosh College	Prof. Subir Ranjan Bhattacharya.Indian Council Philosophical Research
13/03/13	Soil Profile and Ternary Diagram	Geography	Prof. Pannalal Das
10/06/13	Tropical Geomorphology	Geography	Dr. Partha Basu
13/06/13	Landslides, Floods, River Bank Erosion	Geography	Guru Prasad Chattopadhyay
24/8/13	Disaster in Devbhumi(Spl. Lect.)	Geography	Prof.Kalyan Rudra,Chairman W.B.W. D. C.
14/09/13	“Neo-deterministic Approach in the Future Trend of Development”	Geography	Prof. Malay Mukhopadhyay, Visva-Bharati University
11/11/13	Observation of National Education Day	Asutosh College	
20/11/13	Orientation on “Financial Education”	SEBI	
21/11/13	Interaction with students /Carpe Diem	Journalism & MassComm.	Riingo(Film Director)
7/12/13	Present Agricultural Problems of India and its Probable Solution(spl. Lect.)	Geography	Dr. Anupam Pal,Agr. Sc. Govt. of WB
16/12/13	Special Lectures	Zoology	Dr. Sandip Poddar, Director, Lincoln College Dr. Anup Palit, NICED, Kolkata
27/04/15	(Spl.Lect)BigDams and Intervention in River Regions	Geography	Dr. Kalyan Rudra

ASUTOSH COLLEGE SSR 2015

8/3/14	Mangrove Ecosystem of Sunderbans	Zoology	Dr.Dipak Ranjan Mandal DPI,WB
12/08/14	Interlinking of Rivers	Geography	Dr. Kalyan Rudra
08/ 02/ 15	Periodical Lectures on "Gender and Identity": Some Philosophical Reflections	Philosophy	
16/02/15	Research Methodology	Geography	Prof. Ranjan Basu, C.U.
23/3/15	Ribozyme and its Therapeutic effect	Zoology	Dr.Sandip Poddar
27/ 04/ 15	Big Dams and Intervention in River Regime	Geography	
28/07/2015	Environmental Crisis and Planetary System	Geography	Dr. Tushar Chakraborty, IICB
13/10/15	Application of Remote Sensing and GIS in Geography	Geography	Dr. Soumendu Chatterjee, Presidency University
06/11/15	Applied Geomorphology in Engineering and Industrial Development: Global resource Crisis	Geography	Prof. Malay Mukhopadhyay, Visva-Bharati University

3.7.5 How many of the linkages/ collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/ or facilitated.

TABLE 3.7.5A LIST OF INDUSTRIAL PARTNERS (WITH FORMAL MOUs)

Name of the Course	Industrial Partners
Software Development	Supertron Infotech Maple Technologies
Mobile Communication	Gee Pee Infotech Pvt Ltd Divine Electro Solution
Industrial Aquaculture and Fisheries	IFB Agro Industry Ltd The Seafood Exporters Association of India
DOEACC	Indian Institute of Computer Engineering
Safety Engineering and Management	Verde Ventures Pvt Ltd PABSTA Engineers India Ltd Peerless Co.

TABLE 3.7.5b LIST OF ACTIVITIES AND BENEFICIARIES FROM LINKAGE/COLLABORATIONS

Curriculum development/enrichment	The collaboration between the college and Industrial Partners resulted in curriculum development/enrichment for B.Voc.and Community College Scheme.
Internship / on-the-job training	The collaboration between the college and Industrial Partners agreed for internship/ on the job training
Summer placement	—
Faculty exchange and professional development	—
Research	—
Consultancy	—
Extension	—
Publication	—
Student placement	IFB Agro Industry Ltd Indian Institute of Computer Engineering
Twinning programmes	—
Introduction of new courses	With GeePee Mobile, SUPERTRON INFOTECH PVT. LTD, SAMSUNG INDIA PVT.LTD. MAPLE TECHNOLOGIES for Vocational Diploma in Mobile communication
Student exchange	—
Any other	NIL

3.7.6. Detail the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- Linkage and collaborations are mediated by interaction with Industry/ Institutes based on concrete proposals as for opening of UGC sponsored B.Voc. and Community College scheme.
- Individual teachers who are reputed researchers are encouraged to contact, plan and execute collaborative research with individuals/ industry or institutes.
- Resolution is always taken in Governing Body Meeting for such linkage or collaboration.

CRITERIA III: ANNEXURE

ANNEXURE-I

A. GUIDING STUDENT RESEARCH

DEPARTMENT	NAME OF FACULTY	DETAILS	YEAR
BENGALI	Dr. Chandramalli Sengupta	Ph. D Thesis- NSOU -01	2012(Degree awarded)
		Ph. D Thesis- Cal. Univ. -01	2015
		Post-Doctoral Dissertation- <i>Myth, Symbol and Language in Sri Aurobindo's Savitri: A Vision of Life, Death and the Cosmos</i> , Major RP- ICSSR	2014
	Dr. Manas Kabi	Ph. D. Thesis, Cal. Univ.	2015
BOTANY	Dr. Soma Halder (Paul)	M. Sc Projects in Environmental Science (Interdisciplinary)- 06	2011-15
		B. Sc.(Hons.) projects in Microbiology- 10	2011-15
	Dr. Supatra Sen	M. Ed. Dissertation in Environmental Education and Science Education (Interdisciplinary), Cal. Univ.	2015
	Dr. Tathagata Ray Chaudhuri	Co-guide for Ph. D. Thesis of Candidate: Sri Biswarup De, registered under Calcutta University.	Submitted in 2014
	Dr. Amitava Ghosh	M. Sc. Environmental Science degree awarding Project Project Evaluator of Final Year M. Sc. in Environmental Science.	2011-15

		Co-investigator of Doctoral Thesis in Botany, North Bengal University	2015
		Co-investigator of Doctoral Thesis in Civil Engineering, Jadavpur University	2015
		Guidance provided to Research Scholars in the Dept. of Botany (CU) on Plant Physiology, Biochemical and Molecular Biology division on low molecular weight Plant peptide.	2012-15
ENVIRONMENTAL SCIENCE	Dr Subhayan Dutta	M. Sc 4 th Semester Project	2015
	Dr. Sruti Karmakar	M. Sc 4 th Semester Project	2015
	Sri Indrajit Ghosh	M. Sc 4 th Semester Project	2015
	Smt. Sayanti Kar	M. Sc 4 th Semester Project	2015
GEOGRAPHY	Dr, Asok Kr Roy (Retd.)	Registered for Ph. D. – JRFs (03), NET-qualified research scholar (01) - Cal. Univ.	2012-15
GEOLOGY	Dr. Abhik Kundu	JRF (01) registered for 3-Year research project- funded by Space Applications Centre, ISRO, Ahmedabad. M.Sc. thesis projects.	2014
		M.Sc. thesis projects.	2014-15
	Dr Asis Kr Das	Co-supervisor of Ph. D. dissertation- Jadavpur University	2010
	Smt. Rwiti Basu	M.Sc. thesis projects.	2014-15
	Dr. Indrani Bhattacharyya	M.Sc. thesis projects.	2014-15
	Sri Sujoy Dasgupta	M.Sc. thesis projects.	2014-15
	Sri Dipanjan Mazumdar	M.Sc. thesis projects.	2014-15

B. FACULTY ENGAGED IN RESEARCH PROJECTS:

Department	Faculty	Particular of Project	Year
BENGALI	Smt. Krishna Basu	<ul style="list-style-type: none"> Swadhinata Purba Bangla sahityer Itihase Mahila Sahityikder Parichay, SahityaShristi o Abodan: Sandhan o Samikshabhittik Alochona- Minor RP- UGC 	2014-
	Dr. Manas Kabi	<ul style="list-style-type: none"> Udvid Prani o Jibananada Das- er Kabita: Sandhan, Niriksha o ekti Notun Path – Interdisciplinary Minor Research Project 	2011-13
BOTANY	Dr. Soma Haldar (Paul)	<ul style="list-style-type: none"> Study of Potential Microalgal source from waste-water bodies of Kolkata and adjacent areas for biomass production using waste water Study of Toxicity and Heavy Metal removal potential of some microalgal species isolated from waste water and heavy metal removal from Tannery Effluents of Kolkata 	2011-13 2014-
	Dr. Amitava Ghosh	<ul style="list-style-type: none"> Study of Phytotoxicity and accumulation pattern of irrigation contaminated heavy metals in some selected crops and vegetables in Malda district, UGC-Minor RP Profile Study of Peptides and Antioxidants of Mulberry leaves in relation to their Potential in Artificial diet-rearing System of Silkworm, UGC-Major RP Co-investigator in a research programme on Waste water and the Water of the Ganges, conducted by the Civil Engg. Dept of Jadavpur University. 	2010-11 2011-14 Ongoing
	Dr. Supatra Sen	<ul style="list-style-type: none"> Arsenic Phytoremediation using Eichhormia Crassipes, Minor RP-UGC. 	2012-14
	Dr. Monidipa Bhattacharya	<ul style="list-style-type: none"> Survey and Documentation of the Status, Habitat, and local Uses of Medicinal and 	2009-11

		Aromatic plants of South 24Parganas, Minor RP-UGC.	
	Sri Prodyot Biswas	<ul style="list-style-type: none"> • Studies of Some Wild Foodplants of Arambagh, Minor RP-UGC. • Anti-bacterial Activity of some Medicinal Plants of Arambagh Subdivision, Hooghly, Minor RP-UGC. 	2010 2014-
ENVIRONMENTAL SCIENCE	Smt Sayanti Kar	<ul style="list-style-type: none"> • Isolation and Characterization of Slurry Microbes in Relation to Pollutants from City Drains of Different Zones of Kolkata & its Adjoining Areas & Study of their Effect on Animals and Plants- Minor RP-UGC. 	2013-15
	Sri Indrajit Ghosh	<ul style="list-style-type: none"> • An Extensive Analysis of the Pesticide's and Herbicides' Effect on Common Weeds Available in the Agricultural Fields of North 24Parganas, WB, in Support of Antioxidative & Molecular Biological Parameters. 	Ongoing
GEOGRAPHY	Dr.Sayani Mukhopadhyay	<ul style="list-style-type: none"> • An Analysis of Gender Disparity in Literacy and its Reflection on Social Stratification: A Comparative Study haora Sadar Subdivision, Haora District and Barasat Sadar Subdivision, North 24Pgs, West Bengal, UGC-MRP. 	
	Dr. Asok Kumar Roy (Rtd)	<ul style="list-style-type: none"> • Study of Socio-economic Conditions and Healthcare Facilities of Ageing Population in West Bengal- UGC-Minor RP • Strategies for Conservation of Natural Resources in Kurseong Subdivision in Darjeeling district of West Bengal, ICSSR-MAJOR. (Jointly with Prof. M. M. Jana, Visiting Professor) 	Ongoing Submitted

GEOLOGY	Dr.Abhik Kundu	<ul style="list-style-type: none"> Study of depositional setup, and provenance analysis of the Middle Siwalik sequence at the Lish River Section, around Bagrakot, West Bengal, India. UGC-MRP Structural patterns within the Noachis Terra: Implication on Martian tectonics. Collaborator: Dr. Prakash Chauhan, Scientist - SG & Head, PMD, MPSG/EPSC, Space Applications Centre (ISRO), Ahmedabad Co-investigator: Dr. Nilanjan Dasgupta, Associate Professor, Department of Geology, Presidency University. One Junior research fellow is working] 	2010-12 Ongoing
MICROBIOLOGY	Sri Nirmalya Chakraborty	<ul style="list-style-type: none"> Evaluation of Biocontrol Activity and Molecular Mechanism of Antagonistic Bacteria against Fungal Diseases, GC-Minor RP. 	Ongoing
PSYCHOLOGY	Dr.Pooja Chatterjee	<ul style="list-style-type: none"> Evaluation of Organizational Factors Affecting Behavioural and Personality Patterns of Professionals belonging to different Sectors: A Comparative Analysis of Academic, Banking & IT Professionals of Kolkata Metropolis, UGC-Minor RP 	Ongoing
	Dr.Tinni Dutta	<ul style="list-style-type: none"> Tagore's Geetanjali: The Prophet's Worship, UGC-Minor RP 	Ongoing
	Dr.Jhuma Mukherjee	<ul style="list-style-type: none"> Cognitive Evaluation of Dwelling Environment: Perception, Attachment, Preference & Satisfaction: A Comparative Analysis of Town & Village Community of West Bengal, UGC-Minor RP. 	Completed
MATHEMATICS	Ashim Sarkar	<ul style="list-style-type: none"> A Brief history and development of abstract algebra: A case study on applications in different fields 	Ongoing
	Phalguni Mukherjee	<ul style="list-style-type: none"> Mathematical approaches to study some challenging problems of environmental sciences 	Completed

ZOOLOGY	Smt. Bidisha Sen	<ul style="list-style-type: none"> Pathogen-induced Immunological evaluation on comparative basis on Freshwater crab, <i>Paratepephusa spinigera</i> and Marine crab, <i>Scylla serrata</i>- UGC-Minor RP (PSW-073/10-11 ERO). Cellular, Histopathological and Biochemical Response in some organs of a major Carp, <i>Labeo rohita</i> (PSW-038/13-14 ERO). 	Completed
			Ongoing

C. ENGAGED IN INDIVIDUAL/ COLLABORATIVE RESEARCH ACTIVITY:

Department	Name	Particulars of Research (Including PhD thesis) work	Date
BENGALI	Sri Bhaskar Mridha	<i>Bangla Sahitya Samalochonaye Bhinno Bidyacharchar Abodan: Ekti Samikshabhittik</i> Parjalochona- Minor RP-UGC	2014-
	Sudip Mandal	Registered for PhD	2014
CHEMISTRY	SriPrasenjit Pandey	Research work on Evidence of Blue-shifting N-H...N Hydrogen Bonding despite Elongation of N-H Bond	Ongoing
ECONOMICS	Smt Suparna Basu	Doctoral dissertation - <i>Some Fiscal Policy Issues in India.</i>	Pursuing
ELECTRONICS	Dr. Sourav Kumar Bhowmick	<i>Chaos Synchronization</i> with Dr. Syamal K. Dana, Emeritus Scientist, CSIR-Indian Institute of Chemical Biology, and Dr. Prodyot Kr Roy, Emeritus Prof., Presidency University,	Ongoing
		<i>Chaos Control and Synchronization</i> with Dr. Dibakar Ghosh, Assistant Prof., Physics & Applied Mathematics, ISI, and Dr. Pinaki Pal, Assistant Prof., Mathematics, NIT, Durgapur	Ongoing
GEOGRAPHY	Sri Saurav Das	<i>Changing Economy and Status of Employment- A case study of Serampur Subdivision, Hugli Distt., West Bengal.</i>	Submitted
	Smt. Sayanti Poddar	<i>The Handloom Industry and its Impact on the Economy of Nadia District in West Bengal.</i>	Ongoing
	Sri Gaurab Bera	<i>An Appraisal of Social and Economic life of Street Children</i>	Ongoing
	Smt Sayani Das	<i>Changing Economy and Status of Employment- A case study of Serampur Subdivision, Hugli Distt., West Bengal.</i>	Ongoing
	Smt. Debasmrity Chaudhury	<i>Evolution of Saltmarsh and other Saline Tract in Namkhana Block, the region of Sundarban, West Bengal.</i>	Submitted
	Dr. Ashis Kumar Das	Petrogeochemical characterization of the Precambrian Iron Formation and associated rocks for the prospect gold, silver and Pt group of metals in the Barbil-Joda sector of the Noamundi Basin, Orissa, India.	2009-10
	Smt. Rwiti Basu	Doctoral Thesis on <i>Structural Geology and Impact Dynamics Modelling using Lunar Crater, Maharashtra</i>	Ongoing
	Sri Sujoy Dasgupta	Doctoral Thesis on <i>Deformation Localisation at Various Scales.</i>	Ongoing

	Sri Dipanjan Mazumdar	Doctoral Thesis on Anisotropy of Magnetic susceptibility And magneto-mineralogy of Central Indian rocks	Ongoing
	Dr. Debdas Roy (Rtd. 2013)	<i>Application of Green Technology for the Sustainable Development of Abandoned Mine Sites</i> , Minor RP-UGC	Submitted
JOURNALISM & MASS COMMUNICATION	Sri Abhishek Das	Doctoral Thesis- <i>Social Awareness and State Implementation of RTI Act, 2005, in West Bengal</i> (RBU)	Ongoing
MICROBIOLOGY	Prof. Kuntal Kanti Goswami	Doctoral Thesis: <i>Tumor Micro-Environment induced Conversion of Classical Macrophages to Alternative M2 type of Tumor associated Macrophages: Modulation by Neem leaf Glycoprotein</i> ,	Ongoing
PHYSICS	Dr. Surjya Sarathi Bhattacharya	Collaborative research on <i>Electromechanical properties of Carbon nanotube Liquid Crystal System</i> . (Jointly with Prof. Seung Hee Lee of Chonbuk National University, South Korea).	Ongoing
PHILOSOPHY	Smt Saswati Dey Mondal	Doctoral thesis- <i>Culture-dependency and Morality: A Critical Study of Moral Relativism with reference to Gilbert Harman and Bernard Williams</i>	Ongoing
	Smt Chandrima Bhar	Doctoral Thesis- <i>Rationality Beleaguered: A Critical Approach towards Redefining Reason from the Feminist Perspective</i> (Supervised by Dr. Proyash Sarkar, JU).	Ongoing
POLITICAL SCIENCE	Dr. Avipshu Halder	Research Assistant in a project- <i>Sports, Politics and Diplomacy: A Study of India-Pakistan Relations through the Prism of Cricket</i> . (Collaborative: with Dr.Kaushik Bandyopadhyay, Associate Prof. of History, WB State University).	Completed (2014)
PSYCHOLOGY	Smt. Debanjana Basu	Collaborative Research (Indian Institute of Psychometry) on (a) <i>Distraction Analysis</i> & (b) <i>Value Preferences/ Personality Pattern</i> .	Ongoing
SOCIOLOGY	Smt. Jayita Das	Doctoral Thesis- <i>Educational Status among Shia and Sunni Muslim Women in Kolkata: An Intergenerational Study</i> (Supervised by Dr. Bholanath Bandyopadhyay, CU)	Ongoing
STATISTICS	Dr. Shirsendu Mukherjee	Collaborative Research work with Dr. Uttam Bandyopadhyay, Dept. of Statistics, CU, in (a) Adaptive Crossover Design; (b) Inverse Sampling Design.	Ongoing
	Dr. Sankha Bhattacharya	Collaborative Research work with Dr. Uttam Bandyopadhyay, Dept. of Statistics, CU, in Time Series.	Ongoing
	Dr. Dhiman Dutta	Collaborative Research work with Dr. Uttam Bandyopadhyay, Dept. of Statistics, CU, in (a) Non-parametric Inference; (b) Inverse Sampling Design.	Ongoing
ZOOLOGY	Dr.Sajal Bhattacharya	Medical Entomology	
	Smt. Bidisha Sen	Doctoral Thesis- <i>Cytomorphological Response in some organ systems of a major Carp, Labeo Rohita.....</i>	Ongoing
	Smt Lopamudra Mukherjee	Environmental Parasitology	
	Sri Sandip Pal	Doctoral Thesis- <i>Antioxidative and Therapeutic Benefits of Tea (Camellia Sinensis) Flavonoids and their Interaction with Biomacromolecules</i> (Supervised by WBUT).	Ongoing

ANNEXURE-II

Department-wise survey of workshops and seminars held in the last 5 years is given below:

Programme	Speakers/Collaborators (if any)	Topic	Date
BIOCHEMISTRY			
1.Awareness programme 2.Seminar	UGC-sponsored In collaboration with Vivekananda College	Thalassemia Awareness	Dec. 2013
3.Seminar		Biochemical Diversity Encompassing Advanced Sustainable Development.	14 & 15 Dec., 2013
4.Seminar	Conducted (jointly with the Dept. of Geology)	Pharmacovigilance	Sep. 2014 Dec. 2014
		Cancer Awareness	
BOTANY			
National Seminar	UGC sponsored; Collaboration with Bose Institute	Seminar on present scenario and future prospects of Microbiology and Plant Biotechnology.	3 rd and 4 th March 2011
Centenary Lectures	Prof Asok Biswas, Dept of Botany CU	Energy Transduction in Chloroplasts	28 Sep., 2015
	Dr. Mousumi Poddar Sarkar, Dept of Botany CU	Nature Nurturing & Bio-resource Management: with technology of 21 st Century.	
	Dr. Gourab Gangopadhyay, Bose Institute.	Towards 2 nd Green Revolution... Role of Biotechnology and Molecular Marker Assisted Breeding	15 Oct., 2015
	Dr Amitava Ghosh. Asutosh College	Low molecular weight mulberry leaf peptide, silkworm and silk.	
	Prof. Sandip Mukhopadhyay	Protoplast Culture and its Applications	11 Dec., 2015
Dr.N.K.Mondal	Green Synthesis of Heavy Metal Nanoparticles and its Applications		
	Dr.Mautusi Mitra, Associate Professor, University of West Georgia	Emerging Trends in Plant Sciences	22 Dec., 2015

	Dr.Rina Chakraborti,Jt. Director (Retd.), Zoological Survey of India		
COMMUNICATIVE ENGLISH			
Talk-cum-workshop		Oral Communication Skills- conducted by Sri Sujoy Prasad Chatterjee, eminent elocutionist.	03Dec., 2013
Seminar		Emerging Paradigms in English Language, Media, and Communication	10 Sep., 2014
ECONOMICS			
Workshop		A workshop for students on Recent Trends in Development Economics, conducted by Sri Punarjit Roy Chowdhury of Southern Methodist University was organized by the Department.	13 Aug., 2014
ELECTRONICS			
Workshops	Departmental Staff	For students of the department	5Feb. 2011 5Mar. 2012
Extension Lecture	Dr. Tridibendra Narayan Choudhury	Journey to our Nearest Star	21 Sep. 2015
ENGLISH			
Extension Lecture*	Dr. Argha Banerjee	Exploring the Modernity of Modern English Poetry	10 Sep. 2015
Extension Lecture2	Prof. Kushal A. Biswas	Alexander Pope's <i>The Rape of the Lock</i> : A Discussion	06 Oct. 2015
Interactive Session	Prof. Debayan Basu Sri Subhajoy Roy	<i>Academic & Journalistic opportunities for students of English Hons.</i>	14 Dec. 2015
* Inaugural lecture of the Centenary Lectures Series in English			
ENVIRONMENTAL SCIENCE			
Centenary Lecture1	Environment	Prof. Aniruddha Mukhopadhyay,	10 Oct. 2015
Centenary Lecture2	Rediscovering the Ganga: Issue of Pollution Management	Prof. Kalyan Rudra	24 Nov. 2015
GEOGRAPHY AND GEOLOGY (JOINTLY ORGANISED)			
UGC-sponsored National Conference	Geological, Mining and Mineralogical Society of India, Geographical Society of India, Calcutta University	Recent Researches in Earth System Science	10 & 11 Feb. 2012

JOURNALISM AND MASS COMMUNICATION			
Workshop	Autograph Institute	Anchoring	27 & 28 Jan. 2015
Workshop-Interactive	Rringo (Film Director)	Technical Details of Filmmaking, Film Publicity- <i>Saada Kalo Aabchhaa</i> .	21.11.2013
Workshop-Interactive	Mrs. Ranjita Hirji, Dean of Studies, Commits, Bengaluru	Interactive Session with Students	22.11.2013
MATHEMATICS			
Seminar	Asutosh Mookerjee Memorial Institute	Commemorating the 150 th Birth Anniversary of Sir Asutosh Mookerjee.	8 & 9 Nov. 2013
PHILOSOPHY			
Seminar Periodical Lecture Series	Indian Council for Philosophical Research	Child Rights <i>Indian Materialism, and Logic: Traditional and Modern Gender and Identity: Some Philosophical Reflections</i>	2010 01Mar. 2013 20Mar. 2015
	Dr. Ratna Dutta Sharma	<i>Nyay Epistemology</i>	16 Dec 2015
PHYSICS			
Extension Lecture*	Dr. Dipak Ghosh, Professor (Emeritus), Jadavpur University.	<i>Matter: Dark Matter</i>	11 Sep. 2015
*Part of a series of lectures under the Extension Lecture series.			
PSYCHOLOGY			
Workshop		<i>Students' Mental Health: Issues and Challenges of the New Millennium</i>	9Dec. 2014
Workshop		<i>Child Abuse and Neglect</i>	4Aug. 2015
SOCIOLOGY			
Seminar	Departments of English & Sociology, Jogamaya Devi College, Department of English, Asutosh College.	<i>Swami Vivekananda: A Role Model of the Youth</i>	12Dec. 2012
Extension Lecture*		Conducted by Prof. Bula Bhadra, CU.	04Sep. 2015
*A series of Extension Lectures (under the Centenary Lecture series) to be delivered by eminent academicians has been arranged by the Department.			

STATISTICS

Seminar (National) Sensitization Programme	CSA NSSO	<i>Advances in Statistics: Techniques and Applications</i> Awareness Programme Part of a series of lectures	19 & 20 Dec. 2013 Feb.2014
Lectures	Conducted by Prof. A. K. Chattopadhyay (CU) & Prof. K. Chatterjee (Viswa Bharati)	<i>Alice in Diceland: A Magical Display of Elementary Probability</i> (for 1 st year students) <i>Elementary Statistical Inference</i> (for 2 nd year students)	5 Sep. 2013
Centenary Lecture	Prof. B. K. Sinha, Professor(Rtd.), Indian Statistical Institute	Sudoku Puzzles (for 3rd year Students)	12 Sep. 2015

ZOOLOGY

Centenary Lecture Series	Prof. Gautam Kumar Saha, Dept. of Zoology, CU Dr. Anirban Chatterjee, Post-Doctoral Research Associate, Wisconsin, USA	<i>Conservation Breeding: New Hope for Wildlife Conservation</i> <i>Cancer – An Evolutionary Disease with Evolving Concepts</i>	11 Feb. 2016
-----------------------------	--	--	-----------------

*Part of a series of lectures under the Extension Lecture series.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

The infrastructural facilities of Asutosh College are at par with National Level in Teaching and Learning methodology. The institution always tries to provide an ideal ambience of Learning so that overall development of the students can be achieved as well as teaching faculty should enjoy a peaceful teaching and research environment.

4.1 INFRASTRUCTURAL FACILITIES:

4.1.1 What is the policy of the institution for creation and enhancement of infrastructure that facilitate effective Teaching and learning?

To ensure and sustain quality in higher education infrastructural facilities have always been considered as an important area of concern of this institution. The institution is constantly in a process of augmenting effective utilization of available space, its maintenance and proper cleanliness. College administration makes optimum effort to be alert and aware of the new and innovative ways to accommodate the students to provide maximum academic facilities within a defined area line.

4.1.2 Details of the facility available for

a) Curricular & Co-Curricular Activities:





CAMPUS:

The college has five Campuses. The details are given as follows:

I. ASUTOSH COLLEGE MAIN CAMPUS

ADDRESS	92, Shyamaprasad Mukherjee Road, Kolkata.
BRIEF HISTORY	<p>3rd June, 1916 – College was named South Suburban College and Sir Asutosh elected President of its Governing Body. It was decided that the College would function from 26, Lansdowne Road, Calcutta.</p> <p>17 July, 1916 – The College started to function formally.</p> <p>In 1917, The College was shifted to Bijni House, 157, Russa Road, Calcutta (later this house was demolished for constructing the Chittaranjan National Cancer Institute).</p> <p>In 1918, Intermediate College upgraded to Degree College.</p> <p>Sir Asutosh passed away on 25 May, 1924. South Suburban College was renamed as ASUTOSH COLLEGE on 15 June, 1924.</p>

ASUTOSH COLLEGE SSR 2015

AREA	1.1 Acre
COMPONENTS:	
GROUND FLOOR 	Auditorium, Office, Library, Dept. of Chemistry (Teaching Staff Room: 1, Non-Teaching Staff Room: 1, Chemistry Lecture Hall: 1, Class Room: 1, Laboratory: 6), washroom (Staff: 1, Student: 2), Pump Room, Staff Quarter
1 ST FLOOR 	Principal's Room, Bursar Room (Accountant's Office), Students' Common Room: 1, Girls' Common Room: 1, Auditorium Roof, Professors' Room, Annex Staff Room, Dept. of Physics (Teaching Staff Room: 1, Non-Teaching Staff Room: 1, Class Room: 1, Physics Lecture Hall: 1, Laboratory: 4), Staff washroom: 3, Class Room: 1, Lift
2 ND FLOOR 	Dept. Of Botany (Teaching Staff Room: 1, Non-Teaching Staff Room: 1, Laboratory: 2), Dept. Of Zoology (Teaching Staff Room: 1, Non-Teaching Staff Room: 1, Laboratory: 2), Class Room: 14, Washroom: 2 (Student), NCC / NSS Room: 1, Lift
3 RD FLOOR 	Dept. of Physics (Laboratory: 1), Dept. of Geography (Teaching Staff Room: 1, Non-Teaching Staff Room: 1, Laboratory: 2), Dept. of Geology (Teaching Staff Room: 1, Laboratory: 2), Dept. of Statistics (Teaching Staff Room: 1, Laboratory: 1, Class Room: 1), Dept. of Journalism And Mass Communication (Laboratory: 1), Class Room: 9, IQAC Room: 1, washroom (Staff: 1, Student: 2), Union Room, Canteen, Lift

4TH FLOOR


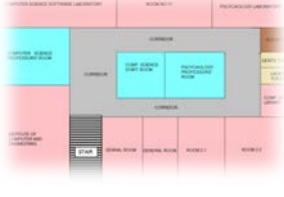


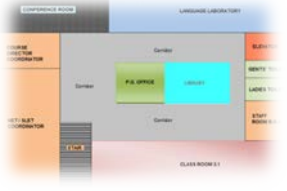
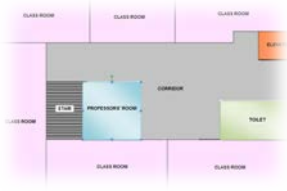
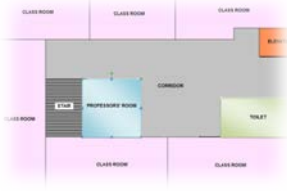
Canteen Roof Top, Class Room: 3, Statistics Lab: 1, Class Room: 1, Boost Laboratory, Botany Laboratory & Staff Room, Dept of Mathematics (Staff Room: 1, Laboratory: 1), Dept. of Electronics (Staff Room: 1, Laboratory: 1), Dept. of Geography (Laboratory: 1, Class Room: 1), Roof Space, washroom: 2 (Student), Lift



Asutosh College – Main Building

II. ASUTOSH COLLEGE TRAINING CENTRE:

ADDRESS	10, Basanta Bose Road, Kolkata.
BRIEF HISTORY	The College has an annex, constructed during the Platinum Jubilee Year of 1991. Located across Basanta Bose Road which runs along the north face of the College, it houses the Asutosh College Training Centre (ACTC), the reading section of the Central Library and the newly introduced Departments.
AREA	0.116 Acre
COMPONENTS:	
GROUND FLOOR 	Library, Reading Room, Class Room: 1, Photocopy Center, Office of Distance Education Coordinator, Dept. of Electronics (Class Room: 1, Laboratory: 1), Dept. of Geography (Teaching Staff Room: 1, Research Laboratory: 1), Gymnasium, Staff Quarter, Washroom, Lift
1 ST FLOOR 	Dept. of IFF (Teaching Staff Room: 1, Laboratory: 1), Seminar Library, Dept. of ENVS (Teaching Staff Room: 1, Seminar Library: 1, Laboratory: 3, Class Room: 1), Lift
2 ND FLOOR 	Institute of Computer Engineering, Dept. of Computer Science (Teaching Staff Room: 1, Non-Teaching Staff Room: 1, Laboratory: 1, Library: 1), Dept. of Psychology (Teaching Staff Room: 1, Laboratory: 1, Class Room: 2), Class Room: 4, Washroom: 2, Lift




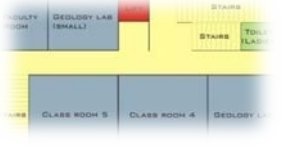

3RD FLOOR 	Class room: 1, PG Office, Library: 1, Conference Room, Language Laboratory, Staff Room (BBA), NET/SET Coordinator Office, Course Director / Coordinator office, Lift
4TH FLOOR 	Class Room: 3, Biochemistry Lab: 1, Microbiology Lab: 1, ENVS Lab: 1, Professors' Room (Biochemistry & Microbiology): 1, Non-Teaching Staff Room: 1, washroom: 3, Laminar Airflow (Dept. of Biochemistry): 1, Lift
5TH FLOOR 	Class Room: 6, Professors' Room: 1, Washroom: 1, Lift





Asutosh College Training Centre

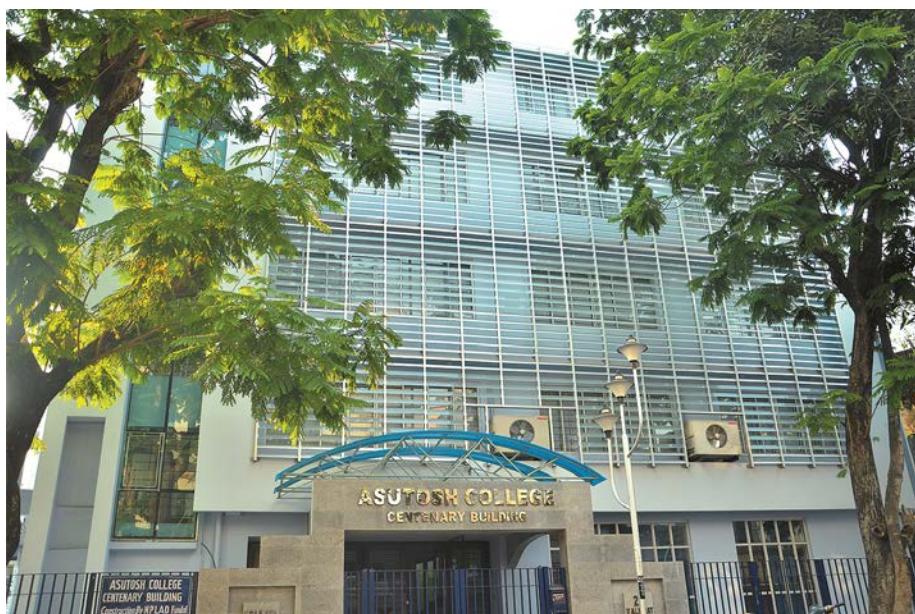
III. ASUTOSH COLLEGE CENTENARY CAMPUS:

ADDRESS	22, Kalighat Road, Kolkata.
BRIEF HISTORY	The newly constructed centenary building was inaugurated on April 01, 2015 by Hon'ble President of India, Sri Pranab Mukherjee. This building with modern seminar hall, conference hall, e-library, smart class room will make the teaching-learning process more technologically enabled.
AREA	0.1322 Acre

COMPONENTS:	
BASEMENT 	Library (One Small Room Inside for Librarian), E-Library, Reading Room, Smart Class Room, Xerox Room, Pump Room.
GROUND FLOOR 	Office Room, Confidential Room (Inside Office Room), Electric Room, Store Room, Gents & Ladies Washroom, Lift
1ST FLOOR 	Principal's Room / Conference Room, Seminar Room, Gents Washroom, Lift
2ND FLOOR 	Faculty Room, Small Lab for Zoology, Class Room: 2, Zoology Lab, Ladies Washroom, Lift.
3RD FLOOR 	Faculty Room, Small Lab for Geology, Class Room: 2, Geology Lab, Ladies Washroom, Lift.

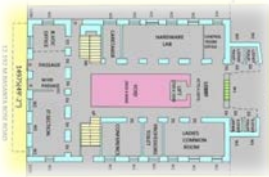
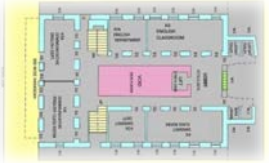
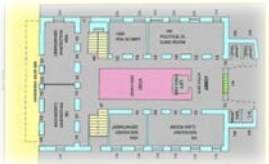
ASUTOSH COLLEGE SSR 2015

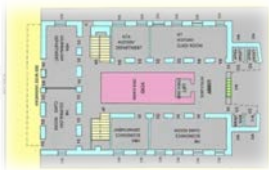
<p>4TH FLOOR</p> 	<p>Class Room:3, Computer Science Laboratory, Gents washroom, Lift</p>
<p>5TH FLOOR</p> 	<p>Canteen (To Be Constructed)</p>



Asutosh College Centenary Building

IV. ASUTOSH COLLEGE HUMANITIES BLOCK:


ADDRESS	16, Basanta Bose Road.Kolkata.
BRIEF HISTORY	This four storied building houses some of the Humanities Departments
AREA	0.0826 Acre
COMPONENTS:	
GROUND FLOOR 	Principal's office, IT office, DDE Office, B. Voc. Coordinator office, Hardware Lab, Union Room (Girls), Washroom (Ladies: 2, Gents: 2), Pump Room, Lift
1 ST FLOOR 	Depts. of Sanskrit, English and Communicative English (Class Room:3, Staff Room: 3), Washroom (Ladies: 2, Gents: 2) , Lift
2 ND FLOOR 	Depts. of Sociology, Philosophy and Political Science (Class Room:3, Staff Room: 3), Washroom (Ladies: 2, Gents: 2) , Lift

<p>3RD FLOOR</p> 	<p>Depts. of History, Economics and Journalism and Mass Communication (Class Room:3, Staff Room: 3), Washroom (Ladies: 2, Gents: 2) , Lift</p>
---	--



Asutosh College Humanities Block

V. ASUTOSH COLLEGE 2ND CAMPUS AT BHASA.

<p>ADDRESS</p>	<p>Bhasa, Diamond Harbour Road, South-24-Parganas</p>
<p>BREIF HISTORY</p> 	<p>This has been constructed in the year of 2011. This new campus of the College is mainly meant for the post-graduate teaching and research comprising of various schools with modern teaching and R&D facilities.</p>

ASUTOSH COLLEGE SSR 2015

AREA	11 Acre	
COMPONENTS		
PG Study Centre	GROUND FLOOR	Staff Room: 1, Class Room: 1, Laboratory:1
	1 ST FLOOR	Staff Room: 1, Class Room: 1, Laboratory:1
Community College& B. Voc.	GROUND FLOOR	Office: 1, Class Room: 2
	1 ST FLOOR	Class Room: 1, Laboratory:2
Canteen	GROUND FLOOR	Store Room: 1, Dining Hall: 1, Kitchen: 1
Boys' Hostel	GROUND FLOOR	Hall: 1, Superintendent's Room: 1, Boys' Common room, Bathroom: 3
	1 ST FLOOR	Room: 3Bathroom: 3
	2 ND FLOOR	Room: 3Bathroom: 3
Girls' Hostel	GROUND FLOOR	Hall: 1, Superintendent's Room: 1, Girls' Common Room, Bathroom: 3
	1 ST FLOOR	Room: 3Bathroom: 3
	2 ND FLOOR	Room: 3 Bathroom: 3
Playground	2 Acres of Playground	
Water Body	2 Aces of Water Body	



Asutosh College Bhasa Campus



SCIENTIFIC INSTRUMENTS:

Different Science Laboratories have many sophisticated scientific instruments which are required for teaching and research. List of a few is given below.

Sl.No	Name of the Department	Equipments
i)	Physics	C.R.O -5, A.C voltmeter -2, Function generator (Digital)- 4, (Analog)- 3, Power supply of different ranges- 50, Spectrometer –(Research grade)-1, Ordinary-9, Optical Bench and accessories for various -5, Gauss Meter -1, Platinum Resistance Thermometer- 5, Multi-meters of Different Ranges- 30, Metravi make-4, Suspended coil Galvanometer (Dead beat -8 and Ballestic-6), Gratings & optical instruments-10, Laser Source-1, Photo Detector-1, Digital Balance, Travelling Microscope-10, Magnetometer set up-6, Multi-channel single frequency GNSS receiver (made in Japan) with antenna, connectors and supporting software, HP Z230 Tower Workstation, External Hard Drive (Seagate)-1TB, Printer Deskjet-(Print, Scan, Copy & wireless facility)-(HP), Digital Storage Oscilloscope (TEKTRONIX), Laptop-15
ii)	Chemistry	UV-vis Spectrometer: 1, Colorimeter & spectrophotometer: 2, Potentiometer: 3, pH meter: 3, Conductivity meter: 4, Polarimeter: 1 + 1 (Digital), Digital balance: 6 (Sartorius Balance: 4, Petit Balance: 1, Wensar Balance: 1), Vacuum pump: 2, Heating mantel: 15, Magnetic stirrer: 2, Hotplate: 1, Centrifuge: 2, Glass apparatus and Chemicals, Desktop: 2, Laptop: 2
iii)	Botany	Microscope-70, Digital Balance, Centrifuge, pH meter, UV transilluminator, Spectrophotometer, Colorimeter, Distillation Plant, Incubator, Deep Freezer, Pump, Respiroscope, Microcentrifuge, Protein Gel Apparatus, DNA Gel Apparatus, Magnetic Stirrer, Vortex, Total Infrastructure for Tissue Culture, Desktop-1, Printer-2, LCD Multimedia Projector, Laptop-1

iv)	Zoology	Sink-tap setup integrated sitting arrangement and equipments like Binocular Microscope, Binoculars, Compound Microscopes, Refrigerator, Microtome etc., Two laboratories at PG level with sink-tap setup integrated sitting arrangement and equipments like Simple compound microscope, Binocular microscope, Stereo zoom binocular, Variable volume pH meter, Centrifuge (Remi), Refrigerator, Autoclave & Hot air oven, Incubator, Hotplate, Tissue homogenizer, BOD incubator, Computer attached compound microscope, Laminar flow, Vertical and horizontal gel electrophoresis setup with powerpack, Digital weighing machine, Electrical balance, Magnetic stirrer etc., Desktop-1, Laptop-2
v)	Statistics	One laboratory with 30 desktops for the students and one additional desktop for the teacher. The computer lab has two printers. All the computers are connected through local area network. Moreover in the staff room there are 2 more desktops for the teachers with internet facility and printers. We also have a laptop with internet facility.
vi)	Geography	One GIS Laboratory containing 20 computers. One Water-Soil Analysis Laboratory, Intel® Core™ 2 Duo CPU 4500@ 2.20GHz 1GB RAM, 500GB HDD (11), Intel® Core™ 2 i32120 CPU 4500@ 3.30GHz 4GB RAM, 500GB HDD (9)
vii)	Geology	Petrology, Mineralogy and Palaeontology Laboratory. Separate sets of laboratory instruments are maintained for B.Sc. and M.Sc. classes. M.Sc. students also enjoy chemical laboratory in the Environmental Science Department and Remote Sensing Laboratory in the Geography Department, Desktop-7, Laptop-4, Digital Projector-2, HP Inkjet Printer cum Scanner

viii)	Electronics	8085 Microprocessor Kit (9), Cathode Ray Oscilloscope (7), Function Generator (12), True RMS AC Milli Voltmeter (19), Digital Milli/Micro Ammeter (19), Op Amp Power Supply (8), Digital DC Power Supply (8), One Laptop, One BenQ LCD Projector, Sound Box & Amplifier, Pen Tablet and both wired and Cordless Microphone
ix)	Psychology	Kymograph – 6, Pneumograph – 6, Apparent timer – 10, Masson's disc – 3, Aesthesiometer – 10, DL box – 12, Response scope – 10, Ergograph – 6, Koh's block design test – 6, Knox cube construction – 6, Paper pencil tests – 1 set each (EPQ, STAI, GZII, DAT and TermanMerill), Lenovo Laptop
x)	Communicative English	Modern Language Laboratory with all facilities. There are 18 laptops and a teacher PC with multi-media facility in the Language Laboratory. The Language Laboratory is an important tool in Language Teaching. It provides a platform for the learners to achieve high level of proficiency in any language
xi)	Journalism & Mass Communication	Switch 8 Port-1, LAN Cable- 1, Connector-4, Motherboard-1, RAM 4GB -1, DVD Writer-1, Antivirus-1, Wireless Card-1, Desktop, Computer -15, Split A.C.-2, Handycam Camera -5, Tripod -3, Laptop-1, LCD Projector-1, Tripod Screen -1, UPS- 15, BIOS Battery, Keyboard, Mouse, 500GB Hard Disk, 15.4 LED Monitor
xii)	Microbiology	Mono ocular compound microscope (No.), Autocleave (No. 2), 4°C freeze (No. 3), -20°C freeze (No. 1), Water bath (No. 2), Laminar air flow chamber (No. 1), Hot air oven (No. 1), Incubator (No. 3), P ^H Meter. (No. 2), Distillation chamber (No. 1), Digital balance (No. 2), Cold centrifuge (No. 1), Centrifuge (No. 1), Spin win (No. 1), Binocular microscope (No. 1), Vortex (No. 1), Gel casting tray (No. 2), Power pack (No. 4), UV transilluminator (No. 2), Micrometer (No. 10), Haemocytometer (No. 10), Laptop: Intel core i3 2 nd generation, RAM 2GB DDR3, HDD 500GB, Windows 8

xiii)	Bio-Chemistry	Spectrophotometer, Polarimeter, Potentiometer, Conductivity meter, pH meter, Incubator, Microcentrifuge, digital Balance, Shaker incubator, Laminar flow, Vortex, Autoclave, Micro oven, Desktop-1
xiv)	Computer Science	IBM X200 Server (2), Intel Dual Core based IBM compatible PC (7), Intel Core 2 Duo based IBM compatible PC (10), Intel i3 based IBM compatible PC (12), Intel i5 based IBM compatible PC (14), Intel i7 based IBM compatible PC (1), Intel Dual Core based laptop, DELL (1), Laser Printer, HP Laser Jet 1020 (3), Colour Laser Printer, HP Laser Jet 200C (1), Cannon Flatbed A4 size Scanner (2), HP Flatbed Scanner A3 size (1), 64 ports based 10/100 ethernet stacked switch mounted in a 6U rack for Cat-5 based structure cable based LAN.
xv)	IFF	Compound Microscope: 15, Simple Microscope: 02, Microtome: 01, Incubator: 01, Hot air oven, Autoclave: 01, Hot plate: 01, Intel(R) Core™ 2 Duo, RAM 1 GB, Hard Disc 250 GB
xvi)	ENVScience	D.O Meter, GPS, Heater, Hygrometer, Kjeldal Distillation Apparatus, Magnetic Stirrer, Pedometer, Remi Centrifuge, Sound Level Meter, Vortex, Water and Soil Testing Kit, Transilluminator, Incubator, Thermal Cyler, Rotary Evaporator, Shaker, Microscope with attached Camera, Conductometer, C.O.D, Lux meter, Digital P ^H meter, Sartorius Make Balance, Microprocess based Conductivity meter, Desktop -3, Laptop – 3
xvii)	Mathematics	11 Desktops, 2 Laptops, 2 Printers.
xviii)	Community College & B. Voc.	



Microbiology Laboratory

4.1.2 (b) Extra –Curricular activities

Sports and Games:

We have a history of outstanding performance in sports and games.

Outdoor games: We have a tent in Kolkata Maidan with an area of 850 square feet with wash room, changing room, garden, refrigerator facilities. We organize outdoor games like-

GAMES	FACILITIES	NUMBER
Cricket	Bat	6
	Ball	10
	Gloves	6 Pairs
	Wicket	10
	Keeping Pad	2 Pairs
Football	Football	8
	Dress	16
	Knee Guard	16

Indoor Games: In the Students' Common Room, there are many indoor game facilities for recreation and refreshment of students which include:

GAMES	FACILITIES	NUMBER
Table tennis	Board	3
	Ball	12
	Bat	8
Badminton	Racket	6
	Feather Ball	8

ASUTOSH COLLEGE SSR 2015

	Net	3
Carrom	Board	3
Boxing	Boxing ring of the University of Calcutta is used	

Gymnasium: We have physical exercise facility within our campus named as Syamaprasad Gymnasium equipped with the necessary instruments. This gymnasium is affiliated to associations like S.C.A.B.B.A, W.B.B.B & W.A. and Indian Body Builder Federation (I. B. B. F), Ministry of Youth Affairs & Sports.

Area of Gymnasium: 800 sq. ft.

Gym-Sports	Facilities	Number
Free Hand Exercise	Sataranchi (Floor mat)	1
Fitness Exercise	Skipping rope	1
	Tread Mill	1
	Step Up Machine	1
	Twister	2
	Sit up Bench	1
	D-shaped Bench	1
	Curling Iron Rod	5
	Small Wooden Bench	5
	Big Wooden Bench	2
	Roman Chair	1
Yoga	Sataranchi (Floor mat)	1
Meditation	Sataranchi (Floor mat)	1
Body Building	Squad Stand	2

	Leg Extension Set	1
	Set of Cuff Machine	1
	Bench Press Steel Rod	1
	Wooden Dawn	3
	Adjustable Iron Dawn	1
	Movable Parallel Bar	1
	Horizontal Chilling Bar	1
	Big Iron Rod for Multiple Exercise	7
	Chain Pulling Set	1
	Bench Press Bench Set	1
	Burbles of Different Weights	14
	Adjustable Dumbbells	6
	Old Wooden Parallel Bar	1
Power Lifting	Power Lifting Plates	10
	Power Lifting Rod	1
Weight Lifting	Dumbbells of Different Weights	14
	Lifting Plate	9
	Different Size Old Plates	90
Diabetes Treatment	Available	
Tension Treatment	Available	
Pranayama	Practiced	

NSS and NCC unit:
•NSS Unit

NSS Prof-in-Charge (Dr. Asish Das)

Facilities:

NSS Room

Stretchers

Laptop

Uniform for members

Medical Aid

Activities:

The NSS Unit of the college, under the supervision of Dr. Asish Das of the department of Geology, is involved in a host of activities aimed at benefiting the community, while proving to be character-building for the members involved, students and supervising staff included. In the last few years, the unit has

- a. Initiated Cleaning and Beautification drives in the Bhasa campus.
- b. Organized Special camps at the Bhasa campus to spread awareness regarding environmental pollution and concomitant health hazards.
- c. Conducted surveys on health, hygiene, and income of the residents in the neighbourhood of the Bhasa campus.
- d. Organized Thalassemia Awareness camp in the college each year.
- e. Organized Diabetes Awareness Programme in collaboration with Peerless Hospital, Kolkata on 17.4.2014.
- f. Organized Polio Awareness Camp in Sonarpur, 24 Parganas(S) on 18.1.2015.
- g. Organized Health Awareness camps in the slum areas behind AMRI Hospital, Dhakuria 16-22 February, 2014.
- h. Organized seminars on Gender, Spirituality, and Increased Mental Pressure on Students and ways of tackling the same on 15.7.2011.
- i. Participated in all NSS-related programmes of Calcutta University.
- j. It is through NSS initiative that the college has been declared a 'No Smoking' zone.
- k. In September, 2015, the NSS Unit organized a musical show for the entertainment of the inmates of an old age home in Bansdroni, Kolkata (South).
- l. On 26 September, 2015, a theatre performance by physically challenged children was also organized by the unit at Sujata Sadan.
- m. "Swachh Bharat Abhiyan" – a two days programme was organised by the volunteers of NSS unit on 7.11.2014. Volunteers took part in the cleaning of inside and outside of college premises.
- n. The "National Flag Day" – a special programme was celebrated to spread the communal harmony on 8.1.2015. A march was conducted from our College to Rashbehari Crossing.

ASUTOSH COLLEGE SSR 2015

- o. Participated in the “No Drug Day”– celebrated in Calcutta University Main Campus on 26.6.2015.
- p. “Blood Donation Camp” was arranged on 26.08.2011
- q. “150th Birth Anniversary of Swami Vivekananda” was celebrated on 13.1.2012
- r. NSS volunteers participated in “Ambedkar Utsav” on 9.2.2012



NSS Volunteers conducting a Health Awareness Drive at Bhasa

NCC Unit

Prof-in-Charge (Dr. Paromita Chaudhuri & Prof. Ramakrishna Das)

Facilities:

NCC Room

Almirah

Uniform including boots and ancillary material

Activities:

The NCC Unit of the college is affiliated to the 20 Bengal Battalion of the Indian Army.

The process of recruitment of cadets- boys and girls- begins after the commencement of a new academic session.

In the last few years- 2011 onwards-, the NCC unit has organized

- a) A **tree planting programme** at the Bhasa campus
- b) A **Walk**, jointly with the NSS unit, to mark National Unity Day (Birth Anniversary of Sardar Patel) on 31 October, 2014.
- c) The cadets also participate in all activities including camps organized by the Army's NCC wing, and with distinction.



Some of our Cadets at an NCC Camp

Public Speaking Platform:

The students of Asutosh College have a platform near the college canteen in third floor of Asutosh college main building for public speaking which enables them to express their points of view. It gives them an opportunity to face the live audience.

Communication skill development Laboratory:

The present day demands “Effective Communication” in all sphere of life. The basic aim of this module is to introduce the basics of communication. The learners achieved a high level of proficiency in spoken communication to face the real-life challenges. They not only learn interview techniques but also learn the soft skills. They also learn the techniques of personality development and presentation skills to achieve the desired goals. A sophisticated digital language Laboratory with 20 terminals along with demonstrator, desk is in operation for the purpose.

Health and Hygiene unit:

College premises including washrooms are swept and cleaned regularly at least twice a day. De-weeding and mowing of the college play ground is done thrice a year. Appropriate means are taken for regular disposal of laboratory wastes. Pesticides are regularly sprayed on the books of central library and seminar libraries. Psychological counseling is provided to the students to keep them fit in mental health also. Supply of pure drinking water is ensured in each building. The college has 15 water purifying machine.

Health Insurance is provided to the students through Mediclaim and Students’ Health Home.

Art and Culture unit:

There is a positive environment of Art and Culture in the college. College Foundation Day is the day of celebration with cultural activities along with giving distinction to students’ of merit. Different activities relating to Art and Culture are organized throughout the year which provides a good platform for the young budding students.

Facilities:

Auditorium: Asutosh Memorial Hall (Capacity-700)

Musical Instruments :

- 1) Harmonium
- 2) Tabla
- 3) Guitar

Fire Safety Unit:

Building	Floor	No. of Extinguisher
Main Building	Ground	11
	1 st	4
	2 nd	4
	3 rd	5
	4 th	3
ACTC Building	Ground	3
	1 st	3
	2 nd	2
	3 rd	3
	4 th	3
	5 th	3
Centenary Building	Central Fire Extinguishing System	
Humanities Block	Ground	1
	1 st	1
	2 nd	1
	3 rd	1
Bhasa Second Campus	Boys' Hostel	3
	Girls' Hostel	3
	PG Study Centre	1
	Community College	1

Power Generation Unit: 63 KVA

4.1.3 Institutional Planning for ensuring the Available Infrastructure is in line with Academic Growth and optimally utilized

Facilities Developed:

In full session every class rooms and laboratories is in use during college hours indicating the optimum use of the available spaces.

- The class rooms and laboratories of the main building are also shared with Jogamaya Devi College and Shyamaprasad College in morning and evening respectively.
- The infrastructure is also used by add-on courses from 9 am-10 am and 5 pm- 7pm.
Following career oriented courses are held at evening at ACTC building.
 - Industrial Chemistry

ii) Hospital Waste Disposal Management

iii) Travel & Tourism

- Infrastructure is used by distant education courses.
- Teachers carry out research in the college premises well beyond college hours.
- The academic curriculum also involves the regular conduct of seminars and workshops at different departments.
- On Sundays and holidays almost throughout the year public and competitive examinations are conducted by UPSC, SSC, CSC etc.
- During Parliamentary, Assembly and Municipal elections the college premise is used as Polling and Training Centre.
- Facilities developed during last four years:
 - Building : Expansion of Main building & ACTC building
 - Construction of Humanities Building, Centenary Building and 2nd Campus.
- Amount spent in last four years: Rupees 11 Crores 25 Lakhs.
 - Humanities Building: Rupees 50 Lakhs
 - Centenary Building: Rupees 5 Crores
 - Bhasa Second Campus: Rupees 5 Crores
 - Expansion of Main Building: Rupees 50 Lakhs
 - Expansion of ACTC Building: Rupees 25 Lakhs

Master Plan of the Institution indicating the existing physical infrastructure and the future plan of expansion is attached herewith.

Plan for future Expansion:

- To provide physical infrastructure to introduce more PG and Research programmes.
- To form more digital class rooms and IT supported teaching and learning environment.
- Expansion and development of e-library facility
- Development of Green Campus.
- To introduce energy efficient policy.

4.1.4 Facilities for physically challenged students:

They are allowed to use college lifts. Special chairs and tools are arranged if required in classrooms and laboratories for those students. Ramps have been constructed in few places of building. Braille books are provided to visually challenged students. 3% are reserved for admission, Admission fee is nominal, University registration and examination fee are waived.

4.1.5 Details of Hostel facilities.

A. BOYS HOSTEL

ADDRESS	Bhasa, Diamond Harbour Road, South-24-Parganas
AREA	10000 sq. ft.
ACCOMODATION	63
FACILITIES:	
• COMPUTER FACILITY INCLUDING INTERNET	Available
• LIBRARY IN HOSTELS	Available (Seminar Library)
• RECREATIONAL FACILITIES	Available
• RESIDENTIAL FACILITIES FOR STAFF AND OCCUPANCY	
1. HOSTEL SUPER	Available
2. ASSISTANT SUPER	Available
3. NON-TEACHING AND GROUP D STAFF	Available
4. SECURITY	Available
• CONSTANT SUPPLY OF PURE DRINKING WATER	Available (Pump with 70 HP is used)
• WATER PURIFIER MACHINES	Available

ASUTOSH COLLEGE SSR 2015
B. GIRLS HOSTEL:

ADDRESS	Bhasa, Diamond Harbour Road, South-24-Parganas
AREA	10000 sq. ft.
ACCOMODATION	63
FACILITIES:	
• COMPUTER FACILITY INCLUDING INTERNET	Available
• LIBRARY IN HOSTELS	Available (Seminar Library)
• RECREATIONAL FACILITIES	Available
• RESIDENTIAL FACILITIES FOR STAFF AND OCCUPANCY	
1. HOSTEL SUPER	Available
2. ASSISTANT SUPER	Available
3. NON-TEACHING AND GROUP D STAFF	Available
4. SECURITY	Available
• CONSTANT SUPPLY OF PURE DRINKING WATER	Available (Pump with 70 HP is used)
• WATER PURIFIER MACHINES	Available

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- First-aid Facilities
- Designated Doctors are available in emergency especially during Examination period
- Chittaranjan National Cancer Hospital is in front of the Main Campus of the College
- State's Biggest Hospital-SSKM is 10 min. away on drive.
- Psychotherapeutic unit for dealing with students' mental health.
- Thalassemia Test for Students
- Mediclaim for students
- Mediclaim for staffs

4.1.7 Common Facilities available on the campus

CAMPUS	FACILITIES
Main Building	Auditorium
	Administrative office
	Principal's room
	Bursar Room/ Accounts Section
	Chemistry Store Room
	Students' Common Room
	Central Library
	Reading Room
	Seminar Library
	Research Space
	PG Laboratories
	UG Laboratories
	Cheap Store
	Cooperative Society Room
	Placement Office
	Space for IQAC
	Grievance Redressal unit
	Counseling and career guidance and placement cell
	Canteen
	Recreational spaces for staff and students
	Drinking water facility
	Seminar Hall

ASUTOSH COLLEGE SSR 2015

	NSS/ NCC Office
	Generator
	Lift
	Washrooms: For boys: For girls: For faculty members: For staff members
ACTC Building	Principal's Office
	Central Library
	Reading Room
	Seminar Library
	Research Space
	PG Laboratories
	Seminar Hall
	Gymnasium
	Xerox Centre
	Recreational spaces for staff and students
	Drinking water facility
	Generator
	Lift
	Washrooms: For boys: For girls: For faculty members: For staff members
Centenary Building	E-Library
	Principal's Office & Conference Room
	Reading Room
	PG Laboratories
	Smart Class Room
	Canteen
	Recreational spaces for staff and students
	Drinking water facility
	Auditorium
	Generator
	Students'/ Alumni Association- common Room
	Lift
	Washrooms: For boys:

ASUTOSH COLLEGE SSR 2015

	For girls: For faculty members: For staff members
Humanities Block	AC ITS(Asutosh College Information Technology Section)
	Principal's Office
	Girls' Common Room
	Recreational spaces for staff and students
	Computer Centre Hardware Lab
	Drinking Water Facility
	PG Study Centre- Store Room
	B. Voc-Office
	Lift
	Fire Extinguisher
	Washrooms: For boys: For girls: For faculty members: For staff members
Second Campus at Bhasa	Hostel for Boys
	Hostel for Girls
	Reading Room
	Canteen
	Recreational Spaces for Staff And Students
	Drinking water facility
	Fire Extinguisher
	Community College and B. Voc.-Office
	Generator
	Washrooms: For boys: For girls: For faculty members: For staff members

4.2 LIBRARY AS A LEARNING RESOURCE:

4.2.1 Advisory Committee: The library has a well-organized library committee consisting of (a) The Principal, (b) Departmental Heads and (c) the Librarian.

The notable functions of the committee are:

- i) To approve the annual budgetary allocation for purchase of library resources;
- ii) To suggest newer services for the library user community;
- iii) To response issues and grievances pertaining to library issues;
- iv) To look after the service quality

4.2.2 DETAILS OF LIBRARY FACILITY

A. Main Building: Central Library	
Total area of the library	Central library (Main Building) : 2990 sq. ft.
Total seating capacity	80
Working hours	The library remains open from Monday to Friday from 11.30 am to 05.00 pm, and from 11am to 2pm on Saturdays. It also remains open during the summer recess.
Layout of the Library	The Central Library has internet section, reading room, reference section, reprographic section, newspaper reading section, technical section, periodical and magazine section, Asutosh Corner, archive.
B. ACTC Building: Reading Library	
Total area of the library	Reading library (ACTC Building) : 2100 sq. ft.
Total seating capacity	74
Working hours	The library remains open on Monday to Saturday. The service time is from 11.45 am to 04.30 pm. It also remains open during the summer recess.
Layout of the Library	The Reading Library (ACTC Building) has a separate reading room, Braille Book section, magazine section, Web OPAC facility.
C. Centenary Building: Centenary Library	
Total area of the library	Centenary library (centenary Building) : 2500sq. ft.
Total seating capacity	25
Working hours	The library remains open on Monday to Saturday. The service time is from 11.00 am to 05.00 pm. It also remains open during the summer recess.
Layout of the Library	In the Centenary Building there exists the Centenary library (e-Library, Reading Room, Reprographic System) for the Post Graduate students.
D. Second Campus: Under Process	

ASUTOSH COLLEGE SSR 2015

4.2.3 Purchase and Use of Books

The library procures books, periodicals, e-books, e-journals etc. on the recommendations of the faculty members, students and these recommendations are to be approved by concerned HODs and the Principal.

Library Holdings	Year – 1 (2015-2016)		Year – 2 (2014-2015)		Year – 3 (2013-2014)		Year – 4 (2012-2013)	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
Text books	300	2,60,673/-	2131	13,08,433/-	691	3,34,927/-	1295	5,70,321/-
Reference books	30	10,250/-	14	2,954/-	5	1,240/-	10	11,986/-
Journals/ periodicals	30	30,713/-	5	4321/-	4	3189/-	Nil	NA
e-resources	N-LIST CD/DVD	5,000/-	N-LIST CD/DVD	5,000/-	Free Resources over Internet	NA	Free Resources over Internet	NA
Any other (specify)	Newspaper, Employment News	2,750/-	Newspaper; Employment News	5,059/-	Newspaper And Employment News	2,125/-	Newspaper Employment News	1,491/-

4.2.4 Details of ICT and other tools deployed to provide maximum access to the library collection:

OPAC	The library has a well-maintained Web-OPAC of the library resources to make the users well acquainted with library holdings.
Electronic Resource management Package for e-journals:	The library subscribes the N-LIST for providing access to e-journals.
Federated searching tools to search articles in multiple database:	Operated through INFLIBNET
Library Website:	Library has its own website accessible at http://www.accskol.in . In this website the Web-OPAC, circulation, e-notice, users' database, bibliographic database are maintained.
In-house / remote access to e-publications	In-house access to e-books, e-journals, databases are provided.
Library Automation:	Library is automated with efficient software (developed indigenously by the Dept. of Computer Science).
Total number of computers for public access	3+1(OPAC). Total =4 (Central Library) 15 (Centenary Library)
Total number of printer for staff/ public access	4
Internet Bandwidth / speed	2 MBPS (Central Library) 4 MBPS (Centenary Library)

Content Management system for e-learning: Under Preparation

Participation in Resource sharing networks/consortia (like Inflibnet): The library is a member of N-LIST.

4.2.5 Details of Library Services

Average number of walk-ins:	130
Average number of books issued/returned:	60
Ratio of library books to students enrolled:	1:10
Average number of books added during last three years :	1372

ASUTOSH COLLEGE SSR 2015

Average number of login to OPAC	30
Average number of login to e-resources:	13
Average number of e-resources downloaded/printed:	10
Number of information literacy training organized:	26
Details of “weeding out” of books and other materials:	Weeding out is accomplished annually, according to the recommendations of the HODs and the principal.

4.2.6 Details of Specialized Services provided by the Library:

Reference:	Library has a well organized Reference collection comprising of varieties of long-range and ready reference tools
Reprography:	Reprographic service is provided to the users with the Canon IR 2420L model machine.
Information deployment and Notification:	Library has four well equipped notice boards and e-notice board in the website for fast and up-to-date information to the user community.
Download:	Downloading facility of various files is provided through the internet access section.
Printing:	Printers are devoted to the faculty members, students for proper dissemination of information.
Reading list/ bibliography compilation:	Latest catalogues are displayed in the Library Notice Board. New arrival list is sent to the Departmental and Main library notice board.
In-house/ remote access to e-resources:	In-house access to e-books and e-journals is provided to the faculty members.
User Orientation and awareness:	Careful and thorough orientation for searching the Web-OPAC, book issue and return processes, database search technique etc. are accomplished throughout the year and especially during the beginning of academic session.
Assistance in searching databases:	Library personnel always help library users in searching the databases.
INFLIBNET /IUC facilities	N-LIST has been procured.

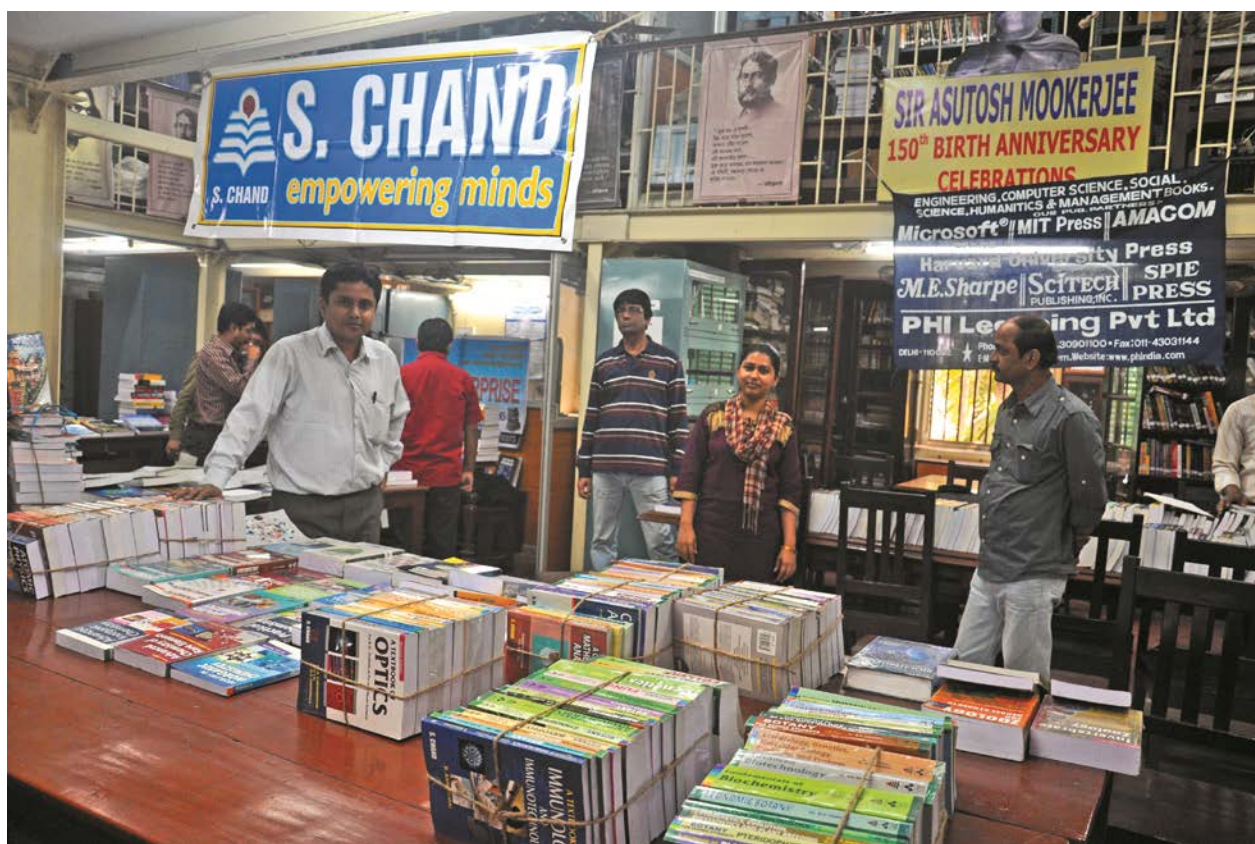
4.2.7 Support provided by the Library staff to the students:

- To search the Web-OPAC;
- Informs Procedures of Issue and return of books;
- How to search the Indexes;
- Acquaints the user about the services and products of the library.

4.2.8 Special facilities to the visually/physically challenged persons:

The library holds a collection of 120 books on Braille Mode to help the Visually Challenged persons.

4.2.9 Feedback Mechanism: The library has a well-maintained Feedback mechanism both manual and online. The library has created its own e-mail ID. asutoshcollegelibrary@gmail.com is used for users' feedback for better service. The library has also a suggestion box for gathering users' feedback.



Book Fair in the Central Library

4.3 IT INFRASTRUCTURE:

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

Brief History: The college has Two campus 1) Main Campus with four different buildings – Main Building, Asutosh College Training Center (ACTC) Building, Centenary Building and Humanities buildings and 2) Second Campus at Bhasa. Both the two campuses are enabled with different IT Services.

In the year 1989, Asutosh College in collaboration with Institute of Computer Engineers (India) introduced the O-Level, A-Level, B-Level offered by the Department of Electronics and Accreditation of Computer Courses (DOEACC) Society (an autonomous scientific society of the Department of Information Technology, Ministry of Communications & Information Technology, and Govt. of India) Some diploma and certificate courses like DTP, Multimedia etc of Computer and its Applications courses were introduced at the ACTC building.

In the year 1992, with the help of financial assistance provided by the University Grant Commission (UGC) the college procured two IBM compatible PC-ATs (Intel 80286 processor based) made by PCS computer with one TVSE Dot-Matrix Printer and Constant Voltage Transformer (CVT) based stabilized power system for its own different official uses. These are mainly used for different document preparations, question paper preparation and salary related calculation etc done by the office staffs.

In the year 1996, Department of Computer Science was introduced with B. Sc. General Degree Course, under University of Calcutta with financial assistance of the State Govt.

In the year 1999, the College received Rs. 25 Lac from UGC and the college established the Centralized Computer Laboratory at the ACTC building with Twenty Five (25) IBM Compatible PC-AT (Intel Pentium-III / Celeron Processor based) , two dot-matrix printers, one color ink-jet, one flatbed A4 color scanner and one laser printer and to share these computing services all computing equipments are connected through Cat-5 Structure Cabling based 10/100Mbps Ethernet LAN connection. Different science departments and administrative offices in the main building – Physics (Two Computers, one Inkjet Color Printer), Chemistry (Two Computers with one Inkjet Color Printer), Mathematics (One Computer and one Laser Printer), Statistics (Two Computers with one Laser Printer), Principal's Office (one Computer and one inkjet printer) and Bursar's Office (Two Computers and one Laser Printer) were also computerized simultaneously. All computing equipments in the two buildings in main campus are connected into a single LAN structure with overhead Cat-5 cable structure between the buildings. Individual departmental computers are connected by very small LAN structure using 4/8 Ports Ethernet Hubs. Under this LAN structure, local website was running to share different student and staff database systems and for staff payroll applications

In the year 2000, the college introduced B.Sc. Honours (in Computer Science) with affiliation of the University of Calcutta and the Centralized Computer Laboratory was assigned as Software Laboratory of the Department of Computer Science. The Department of Physics, Department of Electronics, Department of

Business Administration and Department of Statistics had established their own Computer section with average Twenty IBM Compatible PC-AT Computer systems with computer accessories and individual control Cat-5 cabling based Ethernet LAN structure, connected with the college main LAN structure. Also, other departments - Zoology, Botany, Geology, Geography, Psychology, Micro-biology and Bio-chemistry were computerized and enabled with internet, connected with special software packages for their own course development, projects and research works. Department of Communicative English and the Department of Journalism and Mass Communication had also established their own Computer Laboratory with different specialized software packages for their own course development.

. In the year 2004, the college was connected with internet service for some computers for VSNL. In the year 2006 the college designed its own website - www.asutoshcollege.net, hosted in UK based web server. This website was used to publish different admission related information, notifications and application form. Later within one and half year college got internet service connection from BSNL and now the internet services are commonly available in any computer system.

At present the College has 15 (Fifteen) Computer Laboratories under different departments and these are equipped with average 20 computer systems, Laser Printers, multi-function printers, scanner, color laser printer etc and all are connected with their own wired / wireless LAN structure and also to the college main network system and enabled with internet service. Every corner of the both main and second campuses is enabled with Wi-Fi internet services. Main campus is enabled with free Wi-Fi based internet services as it is in the Smart City region. Along with desktop computers, servers etc all departments, sections, units and offices are also equipped with at least one Laptop and one LCD Projector system.

Asutosh College IT – Section:

The College has established their own independent IT Section equipped with 10 computers, Net-books, High performance Color Laser Printers, Scanners Multi-function Printers, own LAN structure and connected with college main network services and internet services. Programmer cum IT-Associate and IT-Operator were appointed for this section. This section was developed as part of the Department of Computer Science and in the year 2015, this has been emerged as independent unit and shifted to the ground floor of the Humanities building. This is in operational mode since year 2009, under full support and initiatives of Dr. Dipak Kumar Kar, Principal, Asutosh College. This newly introduced section of the college has designed, developed and implemented different Software Systems to meet the current demands of the society from educational institution and is continuously endeavoring for the implementation different innovative ideas for the beloved institution.

Asutosh College IT- section has successfully introduced:

- Asutosh College Website - the new form of college website (www.asutoshcollege.in) embedded with different web based applications used by the college

- Asutosh College On-line admission system for 28 UG, 6 Regular PG, 5 PG in distance mode, 2 Diploma Course under UGC Community College Scheme and 2 UGC BVOC courses – used to process about 75,000 applications per year.
- Asutosh College Student Management System for the processing of about 4,000 students with fees collections, concession for meritorious and financially backward students, examinations, registrations, student's union election, Identity Card, SC/ST/OBC etc reservations etc,
- Asutosh College on-line Digital Library Management System with OPAC,
- Asutosh College Office Management System.

IT-Services at Centenary Building:

The Centenary Building of the college is fully equipped with most modern IT facilities.

- a. Class Rooms and Labs – All 12 class rooms and three labs are equipped with LCD Projector and WiFi enabled internet and cable based LAN services
- b. Seminar Room - Equipped with 77 inch diagonal original Smart Board with different management software for interactive presentation, recording, backup etc. and Wi-Fi enabled internet and cable based LAN services. Audience can use their Personal Digital Assistant (PDA), Laptops, Net-books etc for direct interactions.
- c. Smart Class Room – It is specially equipped with Smart Interactive Projector where whole wall is working as an interactive for communications and presentations. Different management software are used for recording, editing, backup, restoring etc.
- d. Library – It is fully digitalized library system connected with the Asutosh College on-line Digital Library Management System. Reading section is equipped with WiFi internet enabled Laptops digital reading, searching, demanding books, journals etc. With the help of net connected printing and copier services any one can get photocopy or printout.
- e. Office – It is also fully equipped with three desktop computers, printers and internet services and connected with different web based applications available from the college IT- Section.

HARDWARE USED IN ASUTOSH COLLEGE:

- Computers
- Printers
- Keyboards
- Mouse
- Dongle
- WiFi
- LAN
- Scanner
- Photocopier
- LCD Projector

SOFTWARE USED IN ASUTOSH COLLEGE:

Software	Used at
Linux	College Office / IT Section / All Departments / Library
MS Windows	
MS Windows Server	
MS Office	
Asutosh College Office Management System	
Asutosh College Desktop Publishing System	
Asutosh College Payroll Management System	
COSA	
Asutosh College Project Grant Management System	
Asutosh College Financial Accounting Management System	
Asutosh College Library Management Software System	
Asutosh College On-Line Digital Library System: KOHA	
Asutosh College Staff Management System (Online CAS Software)	
LATEX	Department of Physics
Gfortran	
G95	
FORCE	
ICC	
Gnuplot	
Xmgrace	
LAPACK	
UV-Visible spectrometer data analysis	Department of Chemistry

ASUTOSH COLLEGE SSR 2015

ChemOffice	Department of Microbiology
ISIS Draw	
NCBI GenBank	
CLUSTALW 2	
EMBOSS	
PDB	
Rasmol	
Genedoc BLAST	Department of Geography
ERDAS IMAGINE	
TNT MIPS with 4 licenses are used for both RS and GIS mapping. 21 st century Professional version with 5 licenses 21 st century with 12 licenses Geomedia professional with 2 licenses	
Intergraph's GeoMedia	
MATLAB	
C, C++, Java, and Fortran Processor	Department of Mathematics
OCTAVE	
MATHEMATICA	
MATHCAD	
MAPLE SOFT	
Minitab Inc	Department of Statistics
SPSS	
STATISTICA	
STATSOFT	
Turbo C	
Turbo C	Department of Computer Science
Borland C	
Visual Basic	
Oracle 10G	
MATLAB	
Eclipse	
JAVA	
MASM	
Quark Express	Department of Journalism & Mass Communications
Adobe Suite	
Pneumo Analysis	Department of Psychology
Memory	
Avro Keyboard	Department of Bengali
Amar Bangla	

ORCAD Pspice Students	Department of Electronics
ORCAD Pspice Schematic	
Bloodshed, DEV, C++	
8085 Simulator	
Circuit Wizard, Multisim	
Bio Wizard	Department of Zoology
Tally	Department of BBA
Turbo C	

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus.

At present the College has 15 (Fifteen) Computer Laboratories under different departments and these are equipped with average 20 computer systems, Laser Printers, multi-function printers, scanner, color laser printer etc. and all are connected with their own wired / wireless LAN structure and also to the college main network system and enabled with internet service. Every corner of the both main and second campuses is enabled with Wi-Fi internet services. Main campus is enabled with free Wi-Fi based internet services as it is in the Smart City region. Along with desktop computers, servers etc. all departments, sections, units and offices are also equipped with at least one Laptop and one LCD Projector system.

Asutosh College IT- section has successfully introduced:

- Asutosh College Website - the new form of college website (www.asutoshcollege.in) embedded with different web based applications used by the college
- Asutosh College On-line admission system for 28 UG, 6 Regular PG, 5 PG in distance mode, 2 Diploma Course under UGC Community College Scheme and 2 UGC BVOC courses – used to process about 75,000 applications per year.
- Asutosh College Student Management System for the processing of about 4,000 students with fees collections, concession for meritorious and financially backward students, examinations, registrations, student's union election, Identity Card, SC/ST/OBC etc. reservations etc.
- Asutosh College on-line Digital Library Management System with OPAC
- Asutosh College Office Management System.

The Centenary Building of the college is fully equipped with most modern IT facilities.

- Class Rooms and Labs – All 12 class rooms and three labs are equipped with LCD Projector and WiFi enabled internet and cable based LAN services

- Seminar Room - Equipped with 77 inch diagonal original Smart Board with different management software for interactive presentation, recording, backup etc and WiFi enabled internet and cable based LAN services. Audience can use their Personal Digital Assistant (PDA), Laptops, Net-books etc for direct interactions.
- Smart Class Room – It is specially equipped with Smart Interactive Projector where whole wall is working as an interactive for communications and presentations. Different management softwares are used for recording, editing, backup, restoring etc.
- Library – It is fully digitalized library system connected with the Asutosh College on-line Digital Library Management System. Reading section is equipped with WiFi internet enabled Laptops digital reading, searching, demanding books, journals etc. With the help of net connected printing and copier services any one can get photocopy or printout.
- Office – It is also fully equipped with three desktop computers, printers and internet services and connected with different web based applications available from the college IT- Section.

Off the campus students are connected to the teachers through social media for any academic purpose.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Our institution is vigilant in its pursuit of excellence in academics and extra and co-curricular activities. The thrust areas remain vertical academic upgradation and continuous advancement in research.

- A thrust in the improvement of the library infrastructure was contemplated. The expeditious utilization of the grant received from the National Archives and a matching grant from the State Government were organized so that the computerized cataloguing of the backlog could be completed and an archival unit initiated. Computerized cataloguing has been successfully implemented in our college.
- An online procedure for admission had been planned. Previously forms could be downloaded from the College website but it was proposed that submission, processing of forms and drawing up of admission lists would be totally online. This online admission procedure initiated in 2007-2008 was extremely successful and met with tremendous public approval.
- Student fees collection scheme through bank (for both undergraduate as well as postgraduate) was planned and successfully implemented using fees management software.
- We have set up a web server which hosts the College Management Information Software (CMIS). The objective of this was to design and implement software solutions that provide suitably detailed reports in an

ASUTOSH COLLEGE SSR 2015

accurate, consistent and timely manner for smooth functioning of the management of the College administration. A comprehensive database consisting of all information related to student activity in academic or non- academic field is absolutely vital. Proper systematic documentation of the same is required periodically. We have to prepare and provide similar information multiple times and it is a repetitive effort and wastage of effort & time. This student data management software is running successfully.

- A similar database consisting of all information related to teacher activity in academic or field of research is equally vital. The CMIS software also caters to this need. The Career Advancement Scheme for the teachers is also managed by this software.
- Computerization of the preparation of monthly salary bills using software package 'COSA' (Computerization of Salary Accounting) has been implemented at our college a few years back. In the year 2012, an upgradation of this software has also been done. At present the COSA software is being successfully used for the smooth running of the preparation of monthly salary bills for all the employees.
- An on-campus ATM facility is proposed for the convenience of the students and teachers.
- It was proposed that the college would be connected through a Wide Area Network (WAN) using structured cabling. The already existing computer network infrastructure at the college was extended and enhanced into an efficient, high speed, campus wide intranet with secure internet accessibility for the users since October, 2012. The network also connects the users of the main campus to the users at the college hostel to ensure internet access for the students residing at the college hostel.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution
(Year wise for last four years)

Year Heads Amount

Year	Purpose	Amount (Rs.)
2011-2012	Computer maintenance stationary and accessories	17691
	Antivirus software	11284
	Maintenance of website	40000
2012-2013	Computer maintenance stationary and accessories	34514
	Antivirus software	12896
	Maintenance of website	45000
2013-2014	Procurement of computers, laptops, printers, accessories	520000
	Antivirus software	56982
	Maintenance of website	45750
	AMC of computers and its accessories	145000
	Salary of computer science part time teacher	84000

	Fax machine maintenance and repair etc.	5000
2014-2015	Procurement of computers, laptops, printers, accessories	550000
	Antivirus software	56982
	Maintenance of website	45750
	AMC of computers and its accessories	145000

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- i) To teach the student in a more illustrative and understandable way, teachers are using laptops, LCD projector, smart boards and OHP in the class room. Certain departments are using different academic softwares for advanced learning of their students e.g. MINTAB is used by department of Statistics, exp EYES (Experiments for Young Engineers & Scientists) supported by GNU software is used by Department of Physics in their laboratory.
- ii) Students are given internet access for using e-library under the supervision of the teachers.
- iii) The already existing computer network infrastructure at the college was extended and enhanced into an efficient, high speed, campus wide intranet with secure internet accessibility for the users. The network also connects the users of the main campus to the users at the college hostel to ensure internet access for the students residing at the college hostel.
- iv) Assistance to students is provided for in-house/remote access to e-resources by using different open source journal facilities and N-List Programme. Teachers can also access a good number of International as well as National level journals using N-List facility to acquire an updated knowledge regarding their research activities.
- v) Using Aver Projector various seminars and conferences are conducted.
- vi) Beginners and advanced learners are encouraged to enroll in the Self-financed Computer Course to become cognizant and proficient, as the case may be, so that they can be inducted in the e-learning process.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- The Wide-Area Network connection existing in the college enables both faculty members as well as students to remain connected (via the Local Area Network) and access the internet.
- Different advanced Teaching Aids are being used in the classrooms e.g.:
 - a) Optoma-make Digital Multimedia Projector
 - b) Avermediamake portable Digital Document Visualiser

- c) Interactive White Board with Digital Annotation Sensor
- d) Over-head Projector, LCD Projector.
- e) Television with DVD Player

• Assistance to students is provided for in-house/remote access to e-resources by using different open source journal facilities and N-List Programme. Teachers can also access a good number of International as well as National level journals using N-List facility to acquire an updated knowledge regarding their research activities. It may however be mentioned that as an institution Asutosh College on principle does not believe a teacher can be replaced by virtual means ; for this institution generous usage of ICT with teacher-guidance is the key to student-nurturing.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

College library uses N-LIST programme to give access all the faculty members and students to established e-journals like journals published by **American Physical Society, Institute of Physics Publishing** etc.

4.4 MAINTENANCE OF CAMPUS FACILITIES:

4.4.1 How does the institution ensure optimal allocation and utilization of available financial resources for maintenance and upkeep of the following facilities:

In order to ensure optimum utilization of financial resources management has appointed financial committee. Following are the statement of expenditure on different infrastructure maintenance heads during last four years

Category	Year -1 2014-2015	Year – 2 2013-2014	Year – 4 2012-2013	Year -5 2011-2012
Building	2,53,65,477	1,55,33,352	1,24,51,155	68,85,698
Furniture	6,59,321	7,94,222	4,74,885	6,48,721
Equipment	6,66,307	4,67,758	2,91,356	2,03,555
Computers	15,66,484	8,86,533	7,39,336	4,24,682

4.4.2 Institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college:

The institution takes following steps to maintain, upkeep its infrastructure, facilities and equipment of the college:

- Maintains Dead Stock Register regularly to keep account of the non-functional equipment and infrastructure, like computers, furniture, machineries etc.
- Annual Maintenance Contracts (AMC) for computers used in different departments as well as those used as a central facility like the Wide Area Network (WAN), different laboratory instruments, Aqua guard machines, Intercom etc. are renewed regularly to ensure their good service.
- All the objectives and eyepieces of microscopes are cleaned twice a year by professionals-once at the end of monsoon and once before the University practical examinations.
- Centrifugation instruments are kept dust free in an air-conditioned room to maintain its sensitivity. Both the rotor heads (centrifugation tube, Ependorff tube) are used alternatively for proper maintenance.
- Generally as far as practicable for a fully government owned institution, a constant effort is made to provide dedicated and secure space for equipments and tools. There is a building committee to look after the maintenance, repair and constructional work related to the annex building. Construction, repair and maintenance of the main building and physical infrastructure like water, power supply and gas is looked after by the coordination committee. All work is done through tender system as per standard norm.

The security agency looks after the security of the campus on contractual basis. All minor faults are attended and repaired by hired technicians, carpenters etc. The college has a generator system for uninterrupted power supply. The computers and other equipment are under annual maintenance contract. Maintenance of toilets and service areas are outsourced through various external agencies. There is staff to look after the maintenance and repair work of furniture and fixtures and other physical infrastructure. He brings into the notice of the authority the needs of repair work and certifies after the work has been completed. The laboratory equipment is maintained at the departmental level by the staff or through hired technicians annually and/or whenever necessary.

4.4.3 How and to what frequency institution has taken calibration and other precision measures for the equipment/ instruments?

Digital Instruments in different lab-based departments are calibrated at the onset of the Practical Session by Faculty Members themselves, after which they are calibrated on a regular basis by the students before each and every experiment.

- All instruments are also calibrated annually by technical personnel provided by the instrument manufacturers. Simple and Compound Microscopes are the indispensable instrument in the department of Botany. All the objectives and eyepieces of microscopes are cleaned twice a year by a professional one at the end of monsoon and another before the University practical examinations. Throughout the year general maintenance is carried out by the students and the Group D staffs.

Digital pH-meter used in the tissue culture and Biochemistry laboratories is calibrated regularly using different pH solutions.

- Centrifugation instruments are kept dust free in an air-conditioned room to maintain its sensitivity. Both the rotor heads (centrifugation tube, Ependorff tube) are used alternatively for proper maintenance.

4.4.4 Major steps taken for location, upkeep and maintenance of sensitive equipment's (voltage fluctuations, constant supply of water etc.)

We are maintaining cleanliness in the laboratory, by regular dusting and wiping apart from which most of the instruments are kept covered to protect from dust and obtain better efficiency.

All laboratories are equipped with Fire Extinguisher. Recently, old fire extinguishing mechanism in the college has been overhauled thoroughly and 23 extinguishers (MAPCO₂5kg cylinders) have been posted at appropriate locations. All the departments are solely dependent on the college for the regular and constant supply of tap water. Distilled water is however purchased and stored for usage in quantitative estimation.

- All sensitive instruments are connected to Voltage Stabilisers to avoid voltage fluctuations. An Ashok Leyland – Make DG Set Generator is installed at the college to provide uninterrupted power supply to the main building especially during the examination season.
- Transformer-A CESC installation has been put in place in 2012 and new cabling has been done to disseminate extra load. The sensitive instruments used by different departments are kept and maintained as per the specification laid down by the manufacturing company. The departments are bestowed with the responsibility of upkeep and maintenance of the same.

We have regular supply of filtered water which is stored in underground reservoir. Lifting of water at regular intervals into the overhead water tank gives constant supply of water.

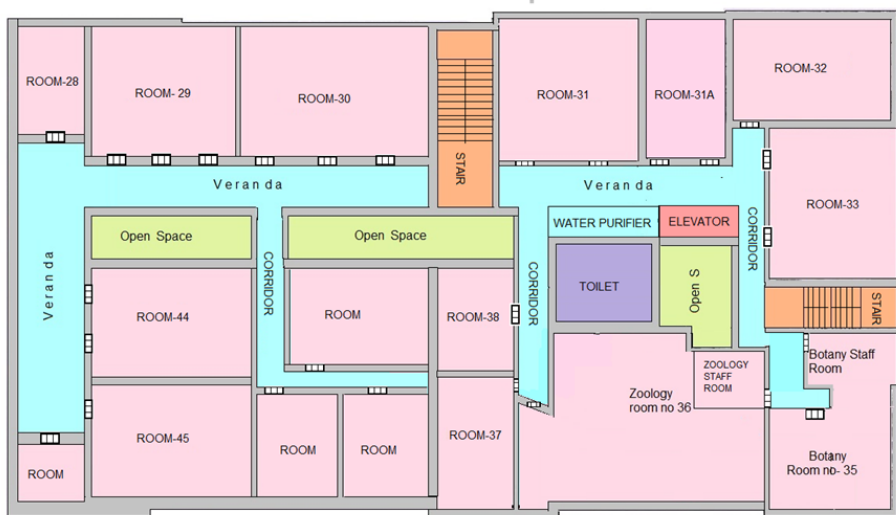
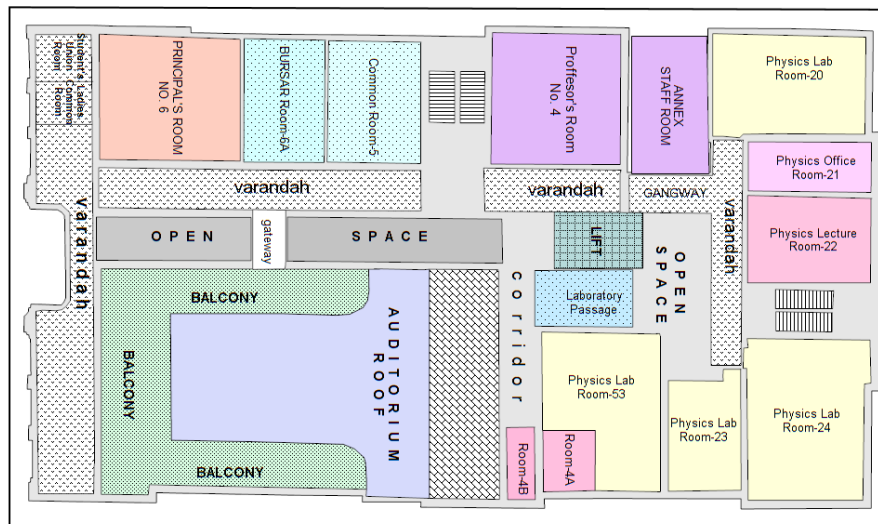
CRITERIA IV - Appendix

ASUTOSH COLLEGE
GROUND PLAN



Main Building: Ground Floor

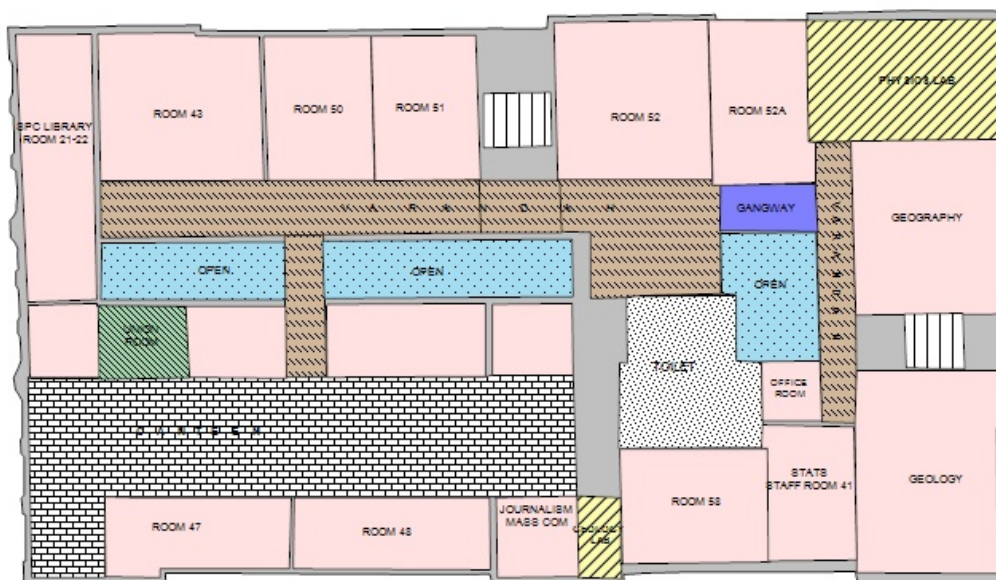
ASUTOSH COLLEGE FIRST FLOOR PLAN



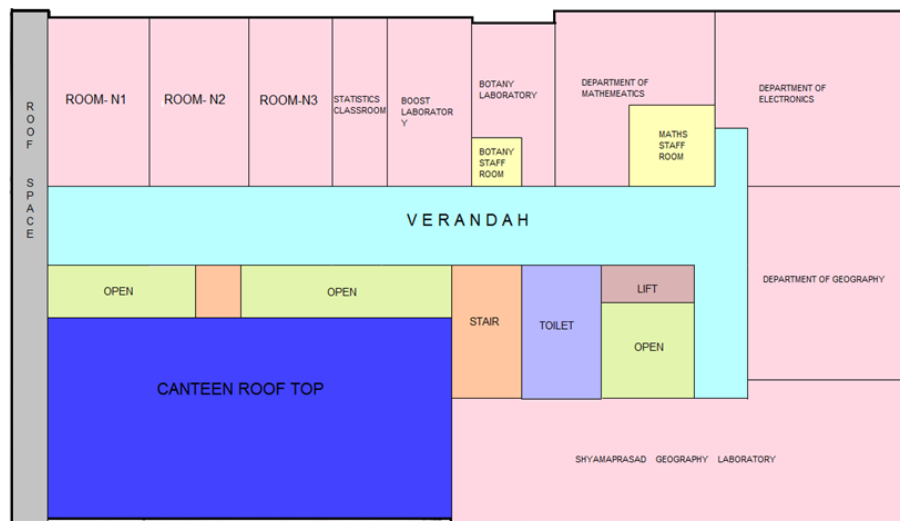
Main Building: 2nd Floor

ASUTOSH COLLEGE SSR 2015

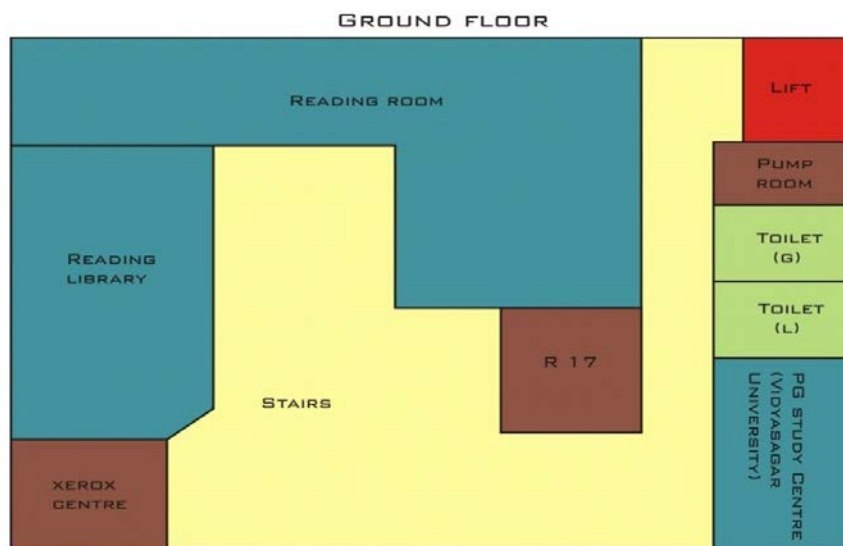
**ASUTOSH COLLEGE BUILDING
THIRD FLOOR PLAN**



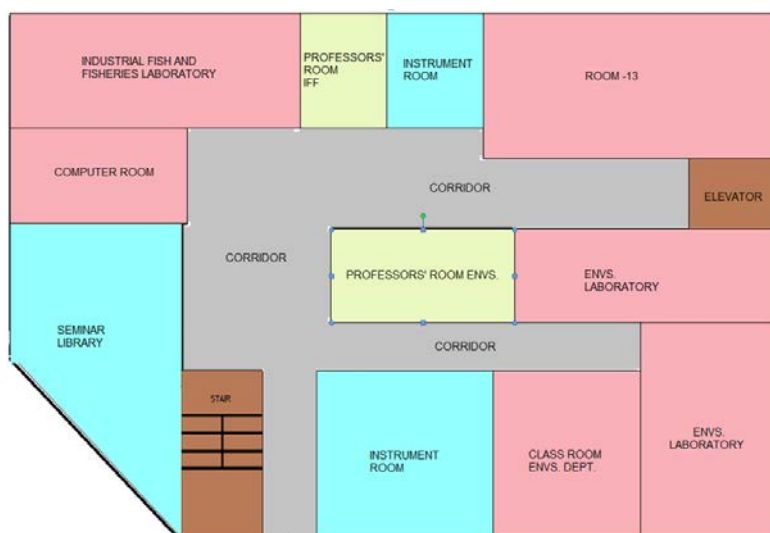
Main Building: 3rd Floor



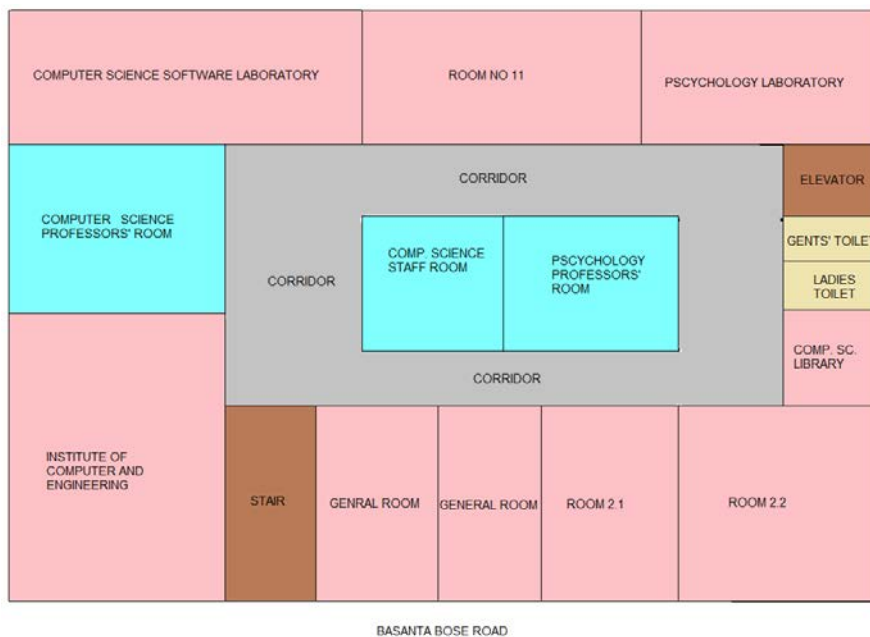
Main Building: 4th Floor



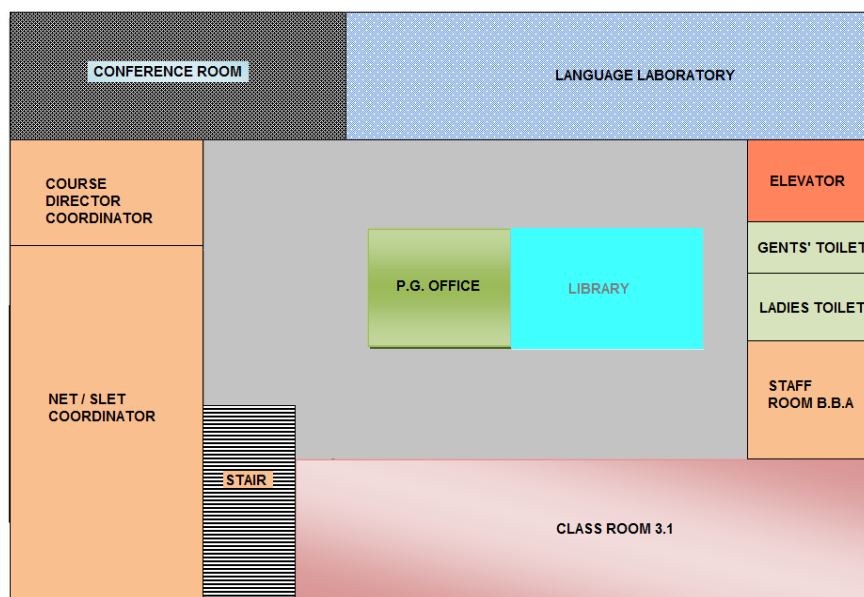
ACTC Building: Ground Floor



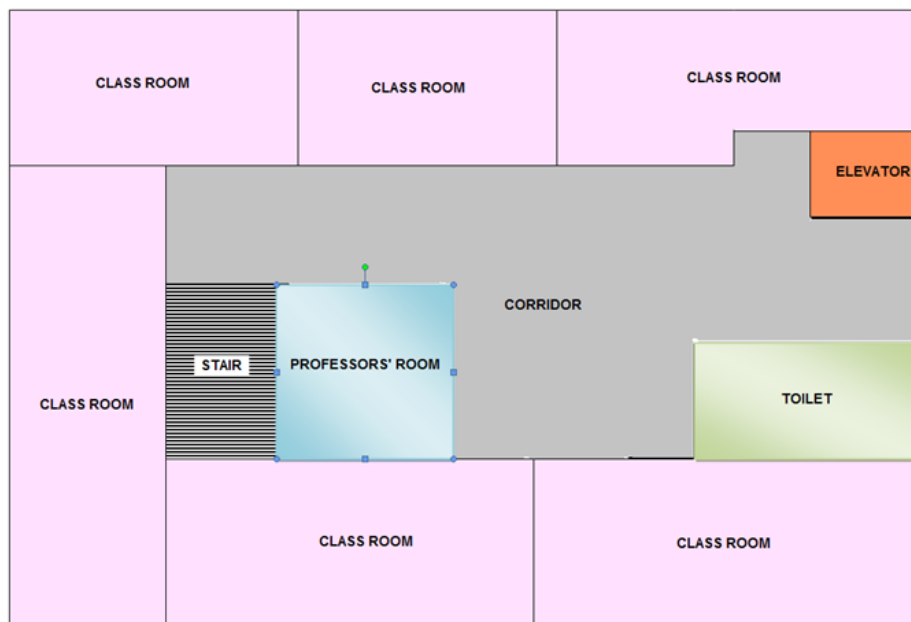
ACTC Building: 1st Floor



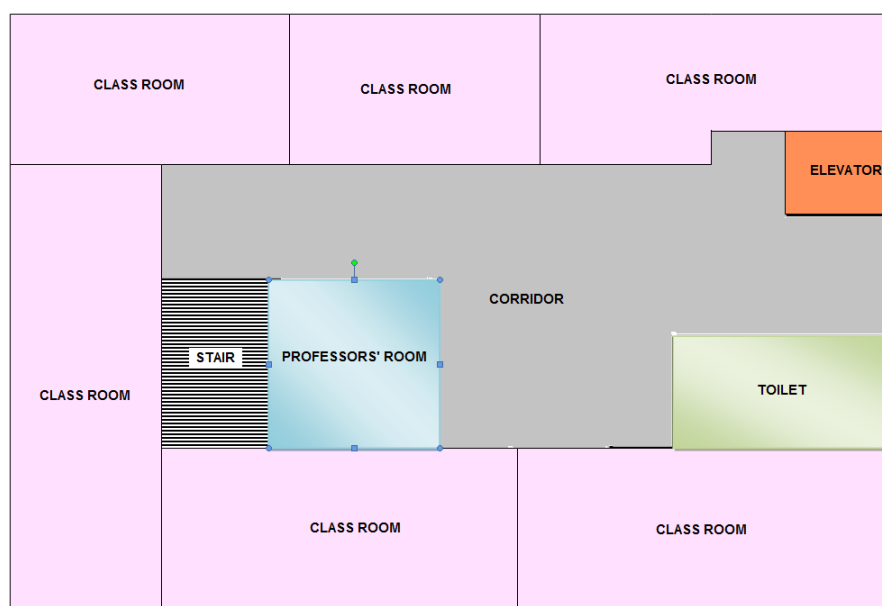
ACTC Building: 2nd Floor



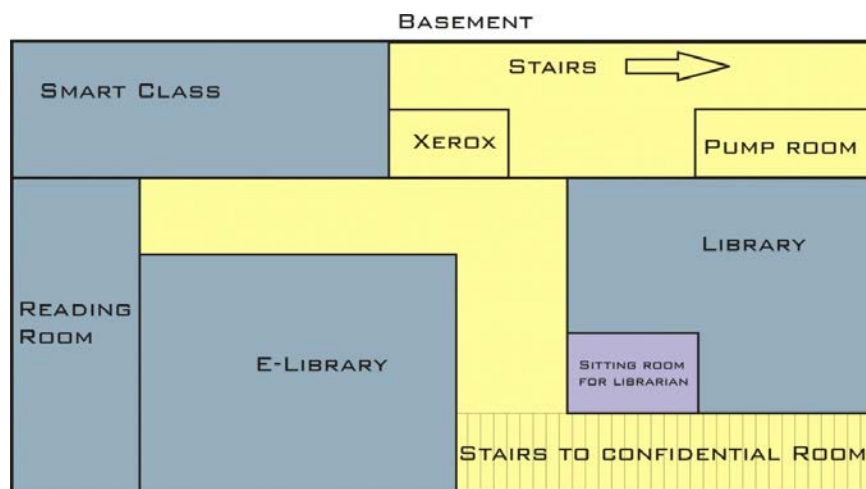
ACTC Building: 3rd Floor



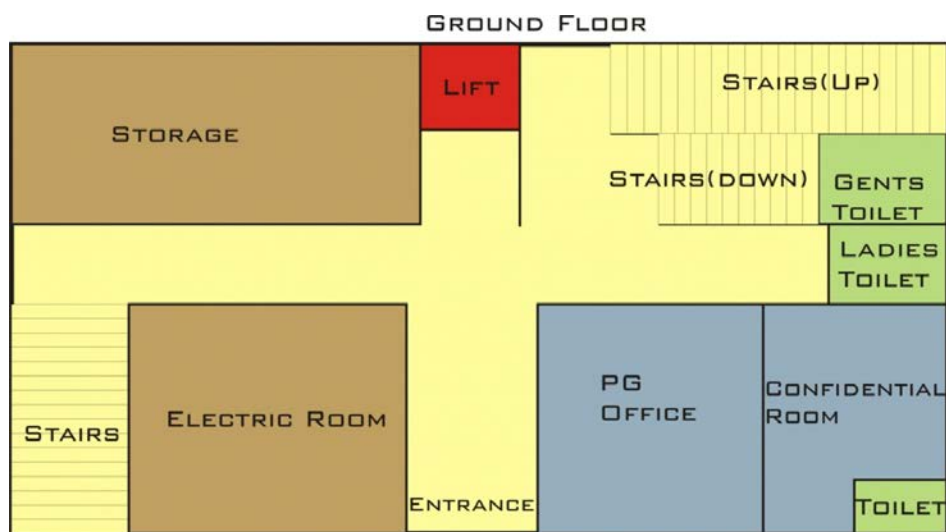
ACTC Building: 4th Floor



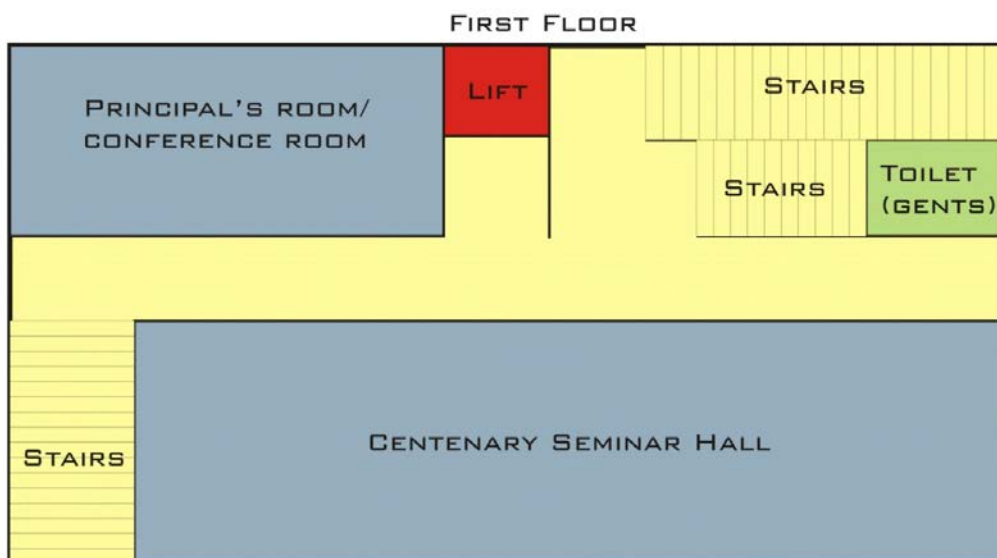
ACTC Building: 5th Floor



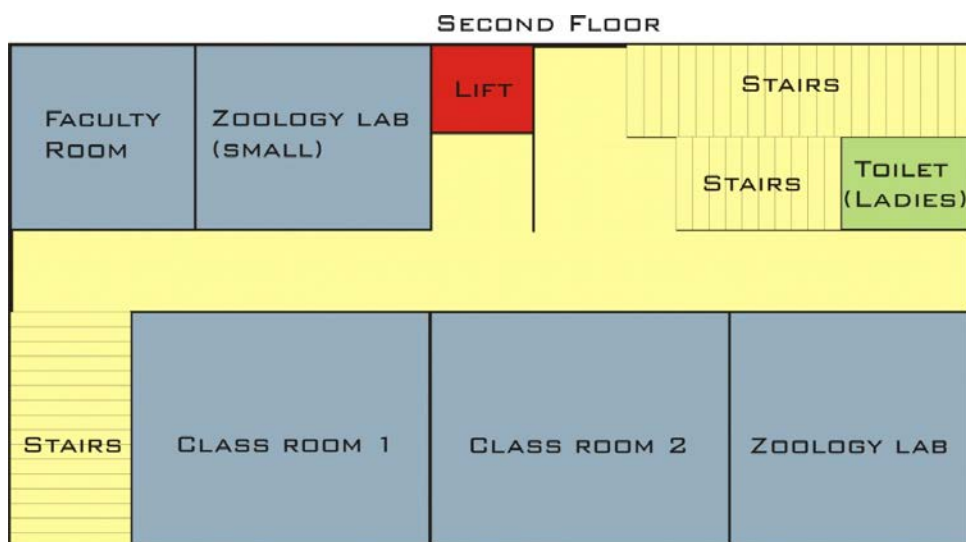
Centenary Building: Basement



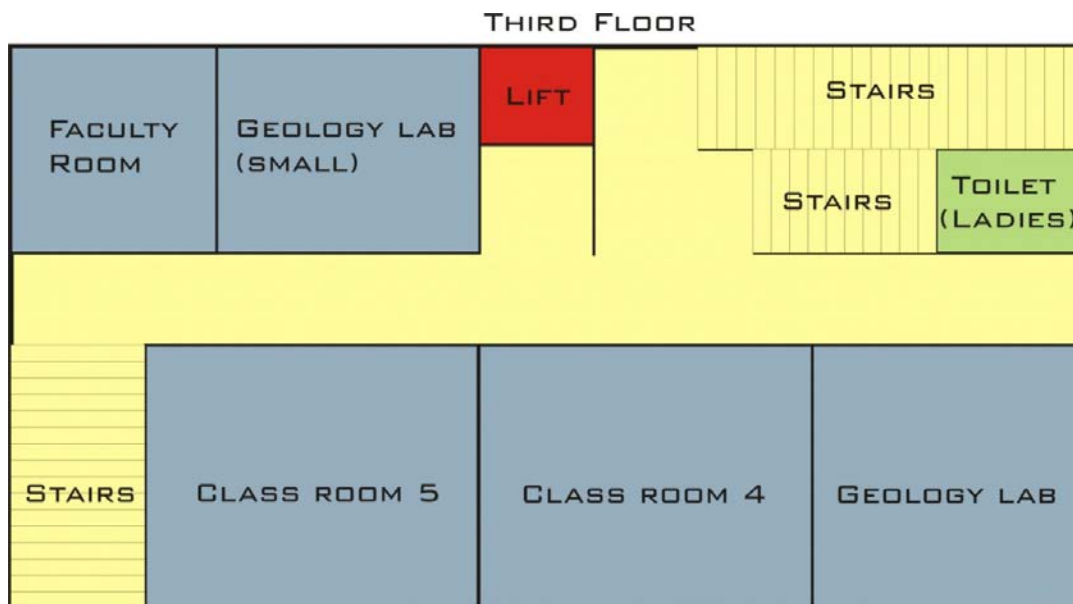
Centenary Building: Ground Floor



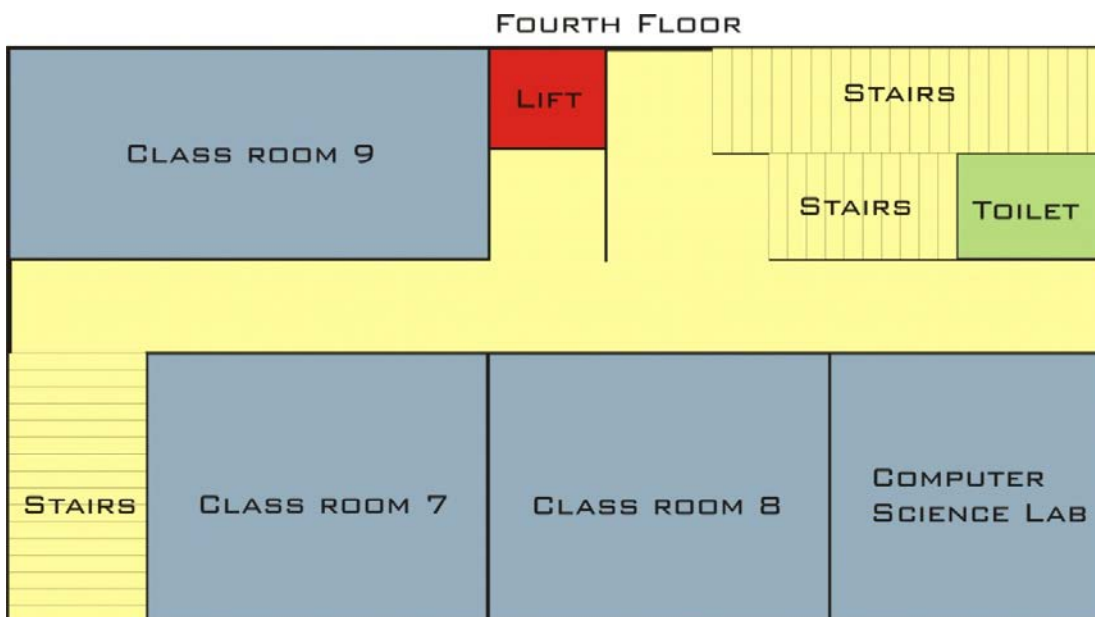
Centenary Building: 1st Floor



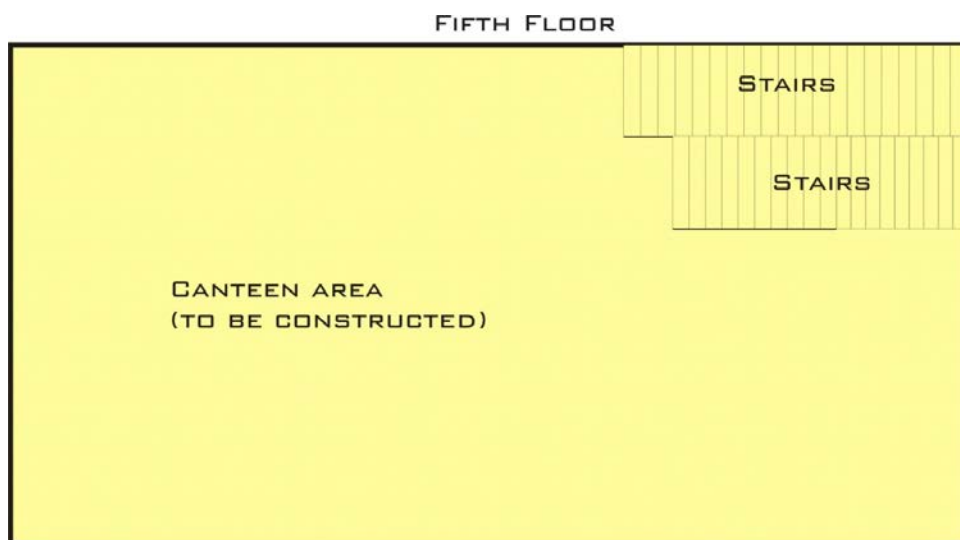
Centenary Building: 2nd Floor



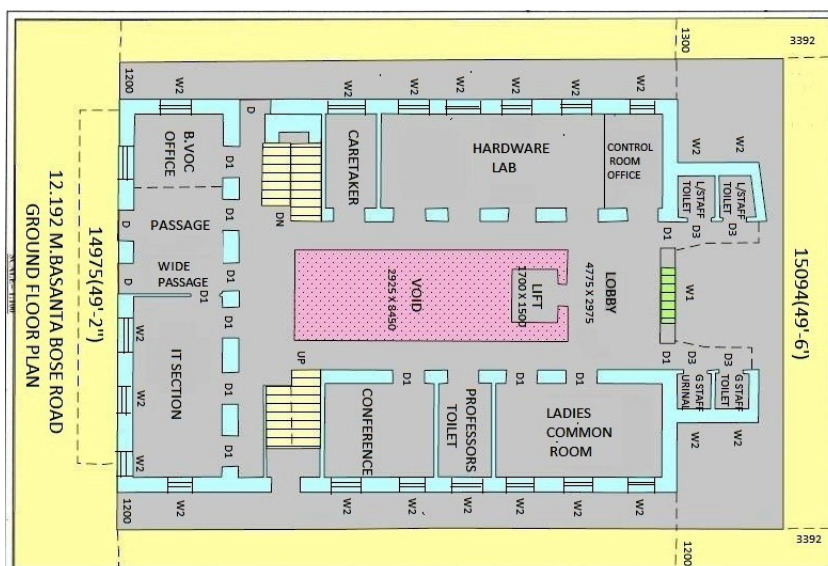
Centenary Building: 3rd Floor



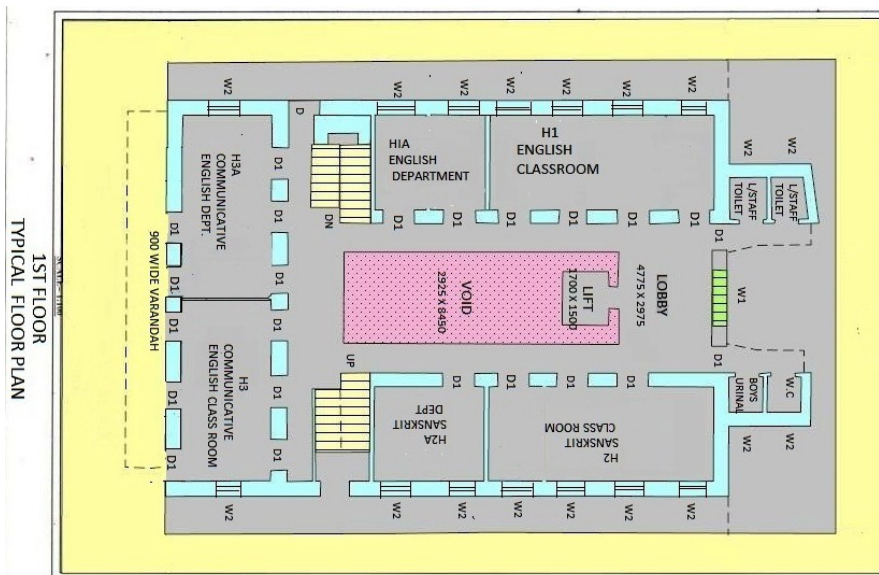
Centenary Building: 4th Floor



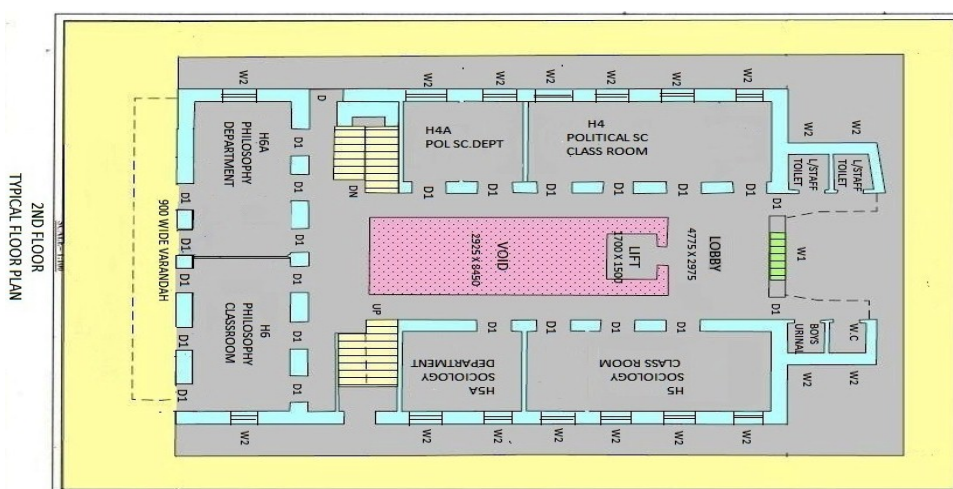
Centenary Building: 5th Floor



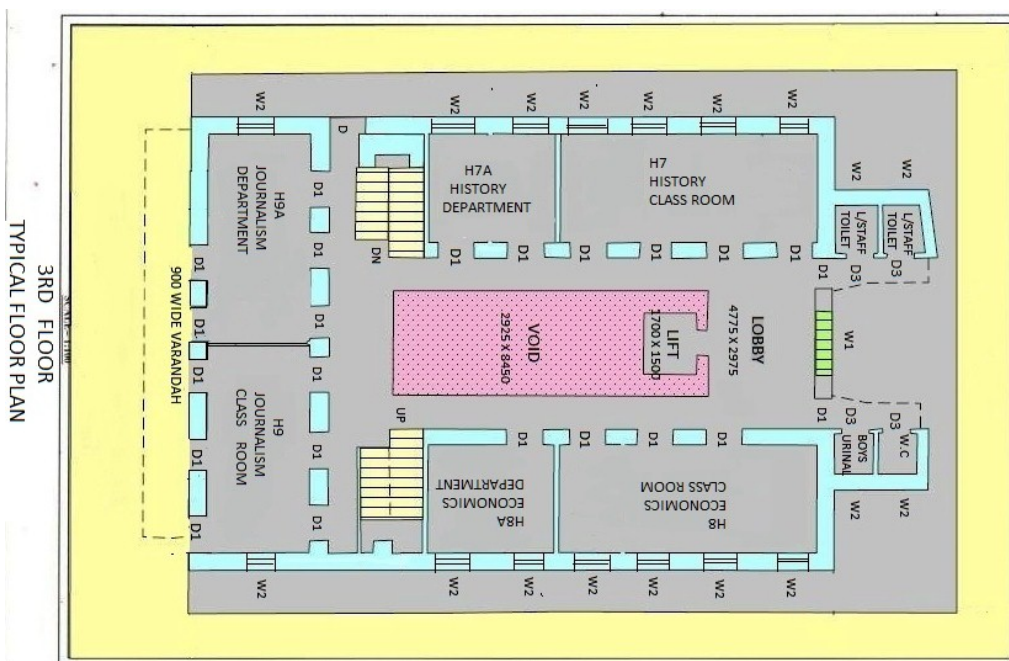
Humanities Building: Ground Floor



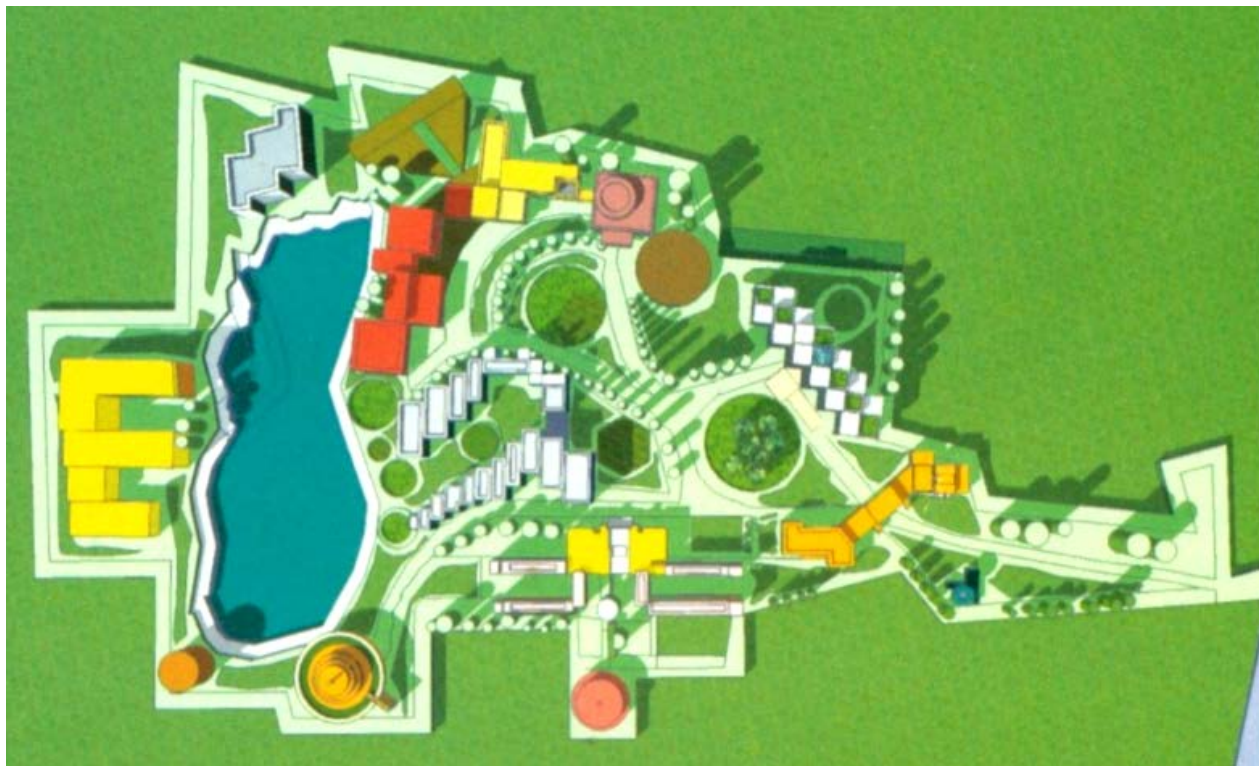
Humanities Building: 1st, 2nd and 3rd Floor



Humanities Building: 2nd Floor



Humanities Building: 3rd Floor



Bhasa: Second Campus: Proposed Plan

CRITERION V: STUDENT SUPPORT AND PROGRESSION

Asutosh College today comprises students from diverse geographical, social and economic backgrounds, its reputation attracting numerous students not only from other districts of the state, but also from other states and even neighbouring countries. Though few in number, students from abroad are also accommodated. Availability of hostel accommodation draws students from distant places. A great majority of the students either progress to higher studies or find employment after leaving the institution. The goal of the college is to provide employment opportunities to every willing student on completion of her/his academic curriculum. Reputed Indian and multinational companies regularly visit the campus and select a substantial number of students for recruitment.

The college publishes a Prospectus every year which is issued to the students seeking admission to the institution. The Prospectus contains extensive information about the college and its curriculum. The institution provides a healthy environment to the students through Student Support Services like the Central Library, Students' Common Room, Students' Health Home Scheme, Students' Hostel, Indoor Games facilities. A playground at Maidan with tent, Placement Cell, NSS and NCC Units, Photocopy Centre, Grievance Redressal Cell, Anti-ragging Committee, Committee against Sexual Harassment of Women, Cheap Store and a Cheap Canteen. The college has a democratically elected Students' Union. There is a constructive relation between the Union and the administration. The Students' Union organizes various social awareness and cultural programmes and competitions and also publishes the Annual College Magazine. It also organizes the Annual Sports and Games.

The college has very rich and distinguished alumni who extend support at various levels.

It is worth mentioning that the college has already introduced Postgraduate studies in ten Departments.

5.1 STUDENT MENTORING AND SUPPORT

5.1.1. Does the institution publish its updated prospectus / handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

A. PROSPECTUS

Every year before the commencement of a new academic session, the Prospectus is published separately for UG and PG students, updated, and given to the applicants along with the application forms at the time of admission.

The Prospectus is prepared with utmost care by a group of senior teachers with inputs from the administration and the different departments, to give updated overall information about the college and its activities.

The Prospectus of 2015, published in the Centenary Year of Asutosh College includes:

- Principal's message highlighting the vision and mission of the College
- Genesis and Academic History of the College
- A Road map to specify the location of the College
- Information about Main Building, Annexe Building, Centenary Building, Second Campus and Humanities Block
- Details of the Administrative Body
- Information about Undergraduate departments, faculty and staff
- Information about Postgraduate departments
- Members of Non-Teaching staff specifying their departments
- Student Support Services
- University Results summary of the last 5 years
- Address by Students' Union General Secretary
- Pictorial profiles of Laboratory, Library, field study of Departments including other supporting components
- Pictorial report on Inauguration of Centenary Building by the Hon'ble President of India
- Research Activities, Awards, Trophies and Recognitions, Prizes and Scholarships annually awarded to the students of the College
- Details of Undergraduate and Postgraduate Courses, Diploma and Advanced Diploma Courses (Under UGC-approved Community College Scheme), Add-on Courses (UGC-Approved), Professional/Training Courses, PG Courses through Distance Education mode
- Asutosh Events highlighting different activities throughout the year

- Rules and Regulation of the College and the University
- The Prospectus is also available online on the college website.

*In addition the Academic Calendar is provided to the students to communicate the year-long academic schedule of the institution.

B. MAINTENANCE OF COMMITMENT AND ACCOUNTABILITY:

- Asutosh College shows its commitment towards its students as well as to the society by maintaining a high standard in imparting education at the UG and PG levels and research work pursued in different departments.
- The college keeps pace with the social requirements and modern trends in the country's education policy. The outcome is the introduction of UGC approved B.Voc. and Community College schemes and UGC-approved Add-on courses.
- Additionally, the need for professional trained graduates has resulted in the College housing several professional courses in the Asutosh College Training Centre aimed at training students for better placement in the job market.
- The college stresses equally on social work, and community service through NSS activities.
- The college remains accountable for its administrative and academic work to the Department of Higher Education, WB State Council of Higher Education, Govt. of West Bengal, and for its academic work to the University of Calcutta and the UGC.

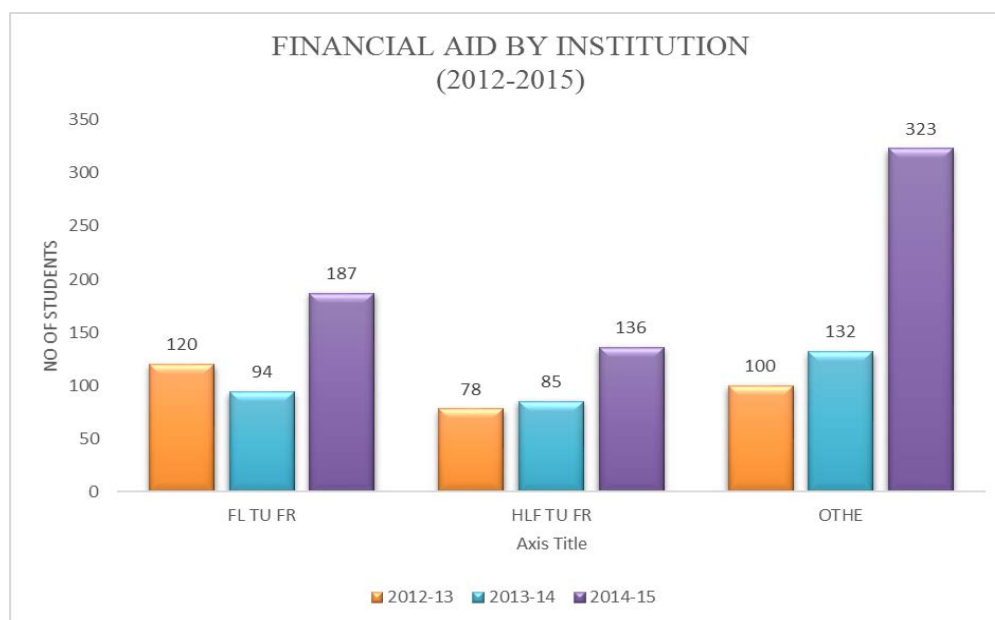
The first college in the state to take the initiative for NAAC Accreditation way back in 2002, is a reflection of the institution's commitment towards accountability.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The College grants free studentship to the students on merit-cum-means basis. SC/ST/OBC and economically underprivileged students are given free studentship. Physically and visually differently-abled students are also given free studentship. The financial aid distributed in the last four academic years is mentioned below:

TABLE 5.1.2. TYPE, NUMBER AND AMOUNT OF FINANCIAL AID PROVIDED BY INSTITUTE

SESSION	STREAM	FULL TUTION FEE FREE		HALF TUTION FEE FREE		OTHERS (FULL/HALF FEES FREE, SPECIAL CASES, STAFF CASES, DISCOUNTED)		GRAND TOTAL
		COUNT	AMOUNT	COUNT	AMOUNT	COUNT	AMOUNT	
2012-13	B.A.	74	57835	54	21060	16	37920	
	B.Sc.	46	56400	24	22800	84	398637	
	TOTAL	120	114235	78	43860	100	436557	594652
2013-14	B.A.	40	44500	49	17700	61	231397	
	B.Sc.	54	69945	36	24720	71	517095	
	TOTAL	94	114445	85	42420	132	748492	905357
2014-15	B.A.	84	67960	63	23870	153	877595	
	B.Sc.	103	178210	73	45630	170	2077020	
	TOTAL	187	246170	136	69500	323	2954615	3270285



Apart from that partially free studentship, concession in fees, installment facilities and admission with a nominal fee are also available to students, data of which has been diligently maintained.

Special care is also taken so that all institutional scholarships are made available and disbursed on time.

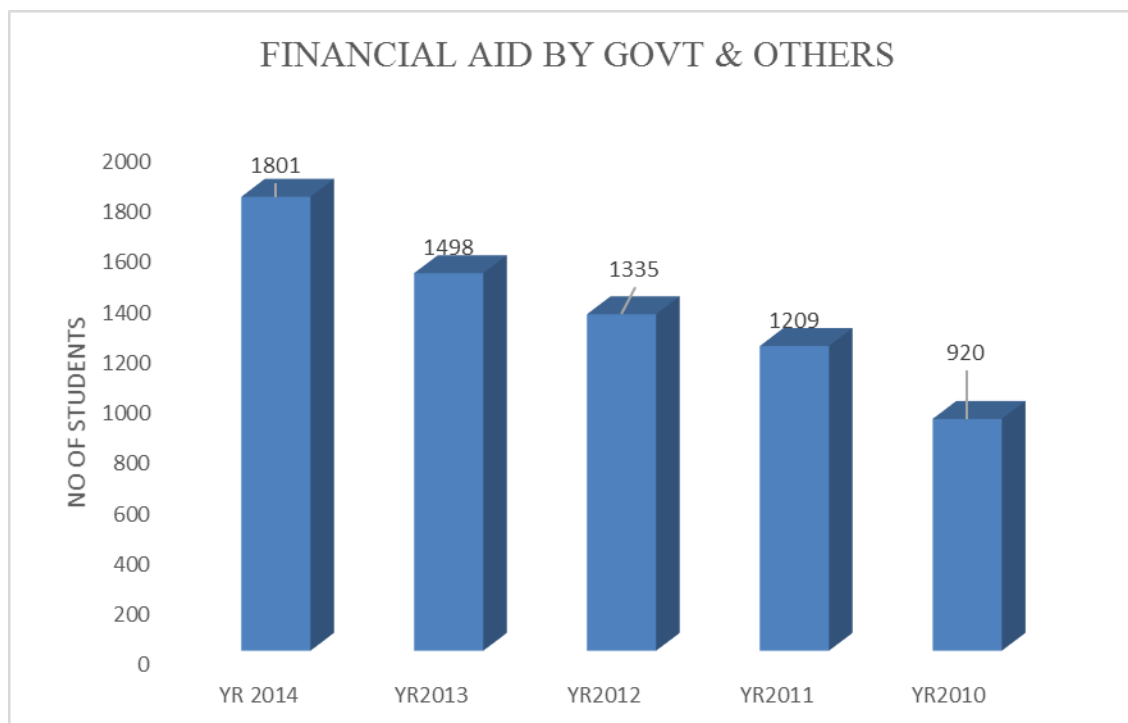
5.1.3. What percentage of students receives financial assistance from the state government, central government and other agencies?

The number of students who have received financial assistance from the state government, central government and other national agencies is given below:

TABLE 5.1.3. TYPE, NUMBER AND AMOUNT OF FINANCIAL AID PROVIDED BY GOVT & OTHER AGENCIES.

	FELLOWSHIP	NUMBER OF STUDENTS				
		2014	2013	2012	2011	2010
STATE	Labour Welfare	5	5	3	5	8
	Minorities Development & Finance Corporation	237	135	215	111	93
	Merit-cum-Means Scholarship	260	218	195	79	83
	Others (<i>Kanyashree</i> – II, SFWeb, SHL, Hindi Students)	58	56	4	-	-
	INSPIRE Fellowship	23	17	21	15	16
CENTRE	SC/ST/OBC-A/ OBC-B	1176	1022	883	990	720
OTHERS	National Agency (DST) PG Indira Gandhi Scholarship for Single Girls Child/ FAEA/ LIC	32	36	-	-	-
	Sitaram Jindal Foundation	10	9	14	9	-
TOTAL		1801	1498	1335	1209	920

- In the year 2013, the Govt. of West Bengal declared a one-time *Kanyashree* scholarship of Rs. 25000 for needy, single girl child, and from Asutosh College 52 students were selected in the year 2014 by the Government of West Bengal for *Kanyashree* stipend.



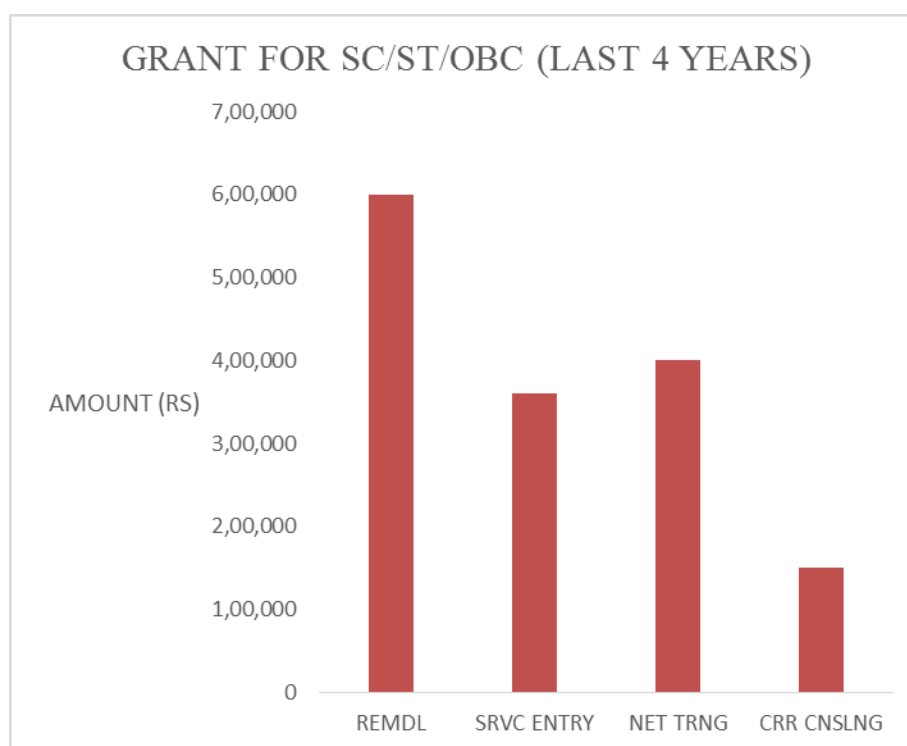
5.1.4 What are the specific support services/facilities available for

SC/ST/OBC AND ECONOMICALLY WEAKER SECTIONS

- Seats for admission are reserved for SC/ST/OBC, financially backward candidates according to government regulations.
- UGC-sponsored free remedial coaching for SC/ST/OBC/Minority students and weak learners are being held in each Department.
- UGC-sponsored free coaching for SC/ST/OBC/Minority students is being arranged for WBCS, SSC, NET and SET Examinations.
- Free and partially free studentship for students belonging to financially backward categories.
- Apart from that, departmental teachers extend support by lending books, making free photocopies of handouts and providing concession during field work to financially weaker students.
- Scholarships for students belonging to SC/ST/OBC-A & B categories are available from the Central and State governments and other agencies.

TABLE 5.1.4 A: FINANCIAL SUPPORT FROM THE UGC FOR SC/ST/OBC DURING XITH PLAN PERIOD

	REMEDIAL COACHING	ENTRY INTO SERVICE	NET TRAINING	CAREER COUNSELLING
RECURRING	1,00,000	60,000	1,00,000	—
NON-RECURRING	5,00,000	3,00,000	3,00,000	1,50,000
TOTAL	6,00,000	3,60,000	4,00,000	1,50,000



STUDENTS WITH PHYSICAL DISABILITIES

- During admission seats are reserved for the disabled students as fixed by the University of Calcutta/ Govt. of West Bengal.
- Elevator at Main campus, ACTC, Centenary Building and also in the Humanities block are available to the disabled students.
- There is a ramp in the Annexe Building for the smooth entry of the physically challenged students. The College is planning to prepare ramp in the Main Building also.

- The students, specially the Class representatives in each department, take care of the physically Challenged students, escort them to their classes and help them in their studies.
- Visually challenged students have a provision for scribes from the College during tests.
- Free studentship, Free University Registration, Exemption from University Examination Fees are arranged.
- Visually challenged students of the History Department are provided with a Braille Corner in the library of the Annexe Building
- The College is planning to provide wheelchair to the physically challenged students.

OVERSEAS STUDENTS

Asutosh College has quite a few numbers of foreign students as listed below. The College ensures that every foreign student is taken special care of and made to feel at home in our college.

5.1.4B TABLE: LIST OF OVERSEAS STUDENTS

YEAR	NAME	NAME OF THE COUNTRY	DEPARTMENT
2012	Kalu Benjamin Ucchena	Nigeria	Journalism & Mass Comm
	SonamNorbu	Bhutan	Geology
2013	Nil	Nil	Nil
2014	Lamia Sultana	Bangladesh	Journalism & Mass Comm
	Sanjay Zamba	Bhutan	Geography
	Manmohan Chauhan	Nepal	BBA
	GulbaharAnnabayeva	Turkemenistan	BBA
	Sheila LuxmeeChinasamy	Mauritius	BBA
	Le Mai Hoang Ahn	Vietnam	BCA
2015	Karma Tenzin	Bhutan	Geography

- The overseas students are entitled to all the facilities enjoyed by other students.
- In case of a problem regarding accommodation, Hostel facility is offered or arrangements are made for their accommodation as paying guests near the College.
- The College arranges for a single window arrangement in consultation with the relevant High Commission regarding all necessary formalities regarding admission and in subsequent tenure of stay.

PARTICIPATION OF STUDENTS IN VARIOUS COMPETITIONS – NATIONAL AND INTERNATIONAL

- Students participate in various kinds of extracurricular activities, including debates, quiz, cultural, programmes and creative writing competitions along with different academic events including

paper/poster presentation at different workshops/seminars organized by various Universities, Colleges and institutions at the international, national and state levels.

- The Cultural Committee and the President of the Students' Union ensure student participation in various programmes.
- A nominated faculty member accompanies the students to events organized outside the college. Necessary travel and tiffin allowances are given to the participants. Their achievements are recorded in the Annual Report and annual newsletter to encourage other students.

TABLE 5.1.4C PARTICIPATION OF STUDENTS IN COMPETITIONS

NAME OF THE EVENT	ORGANISED BY	YEAR
Quiz Contest on Swami Vivekananda	Vivekananda College, Thakurpukur	January 2012
Debate on Swami Vivekananda	West Bengal Government	September 2012
20 th Dipta Memorial Symposium & 21 st Dipta Memorial Symposium	Bose Institute, Kolkata	2011 2012
Article Publication	Competition Success Review	2015
Sports Discuss Throw	Uttar Dinajpur District Sports Meet	2012
Sports Javelin Throw	Uttar Dinajpur District Sports Meet	2012
Inter College Quiz and Debate Contest for the IDFC in our hands	Quizcraft Events & Communication, New Delhi	September 2013
Quiz contest	NSHM	September, 2014
Annual conference of SRSD	SRSD Memorial SikshaSadan	October, 2014
Debate competition	Matri Bhasa Rashtriya Siksha Sansthan and Maharani Kasiswari College	September, 2014
Debate competition	Kolkata Day Students Home	September, 2014
Debate competition	Communique, Bhawanipore Education Society College	November, 2014
Debate competition	Umang, Bhawanipore Education Society College	December, 2014
Quiz contest	Kaleidoscope, Lady Brabourne College	December, 2014
Debate competition	South Calcutta Girl's College	December, 2014
Sports Badminton Singles	South Kolkata District Championship	2014
Ramakrishna Mission Photography Course	Calcutta University	July - December, 2014
Debate Competition	Calcutta University	May, 2015
Debate Competition	Xavullash and Sanhoti, St.Xavier's College	2015
Debate Competition	Gokhale Memorial Girls' College	February, 2015
Football Competition	Inter College Sports Tournament, 20Bengal Battalion	2015
Relay Race	Inter College Sports Tournament , 20Bengal Battalion	2015

ASUTOSH COLLEGE SSR 2015

Youth Mock Parliament and Quiz contest	Calcutta District Youth Parliament Competition 2015-16 organised by Government of West Bengal	2015
Sports- Cricket	Pal & Chatterjee Cricket Academy T20 Kolkata Cup	June, 2015



Students participating in Mock Parliament



Students participating in Cultural Programme

MEDICAL ASSISTANCE TO STUDENTS: HEALTH CENTRE, HEALTH INSURANCE

- Facilities of Students' Health Home are available to the students.
- In case of emergency, students are taken to nearby hospital like SSKM Hospital, Sambhunath Pandit Hospital by the College authorities for immediate medical aid.
- Currently the college has a doctor-on-call during University examinations.
- The College is planning to make arrangements to engage a physician on a regular basis for the benefit of the students.
- Mediclaim facilities are available for the students for which the premium is given by College.
- Health awareness and medical counselling camps on Thalassemia, Diabetes, Cancer and Polio are regularly organized by the NSS unit of the College in collaboration with major hospitals and medical institutes.
- A Psychotherapy Unit set up by the Psychology department offers counselling to students in need of it during times of mental crises.

ORGANIZING COACHING CLASSES FOR COMPETITIVE EXAMS AND SKILLS DEVELOPMENT (SPOKEN ENGLISH, COMPUTER LITERACY, ETC.)

The College has several units to train the students for different competitive exams and skill development programmes.

- **The Asutosh College Training Centre** was established in the Platinum Jubilee Year of the College (1991) to equip students for job screening examinations like NET, SET, WBCS and SSC, etc. Certificate Courses in Export and Import and Diploma Courses in Safety Engineering along with a Computer Training are also offered by the Asutosh College Training Centre. The centre undertakes the responsibility of equipping the students professionally and makes them capable of facing the competitive job market effectively.

TABLE 5.1.4D: TRAINING COURSES IN THE ACTC BUILDING

SL	COURSE OFFERED
1	Industrial Safety Management (WBSCTE)
2	WBCS Examination : Preliminary, Main , Optional Paper
3	NET(UGC/CSIR) /SET
4	School Service Commission Examination
5	Combined Examinations: Clerkship, Staff Selection, Railway, Bank, Miscellaneous
6	Export Import Management
7	Computer Courses
8	Career Counseling

UGC-APPROVED ADD-ON COURSES

UGC approved Add-on courses in Travel & Tourism, Hospital Waste Disposal Management and Industrial Chemistry are available free of cost for all students pursuing undergraduate studies in the College. Participation in these courses equips the students for local and global job market in their respective areas of expertise.

UGC-SPONSORED B.VOC. COURSE

The College has introduced UGC approved add-on courses in Industrial Aquaculture and Fisheries and Software Development. The syllabus for these courses have been developed in consultation with industries associated with these areas and is need based and job oriented.

UGC-SPONSORED COMMUNITY COLLEGE SCHEME

Asutosh College is one of the few colleges which has been approved and sponsored by UGC to initiate Community College Scheme in Mobile Communication and Software Development. The syllabus for these courses have been developed in consultation with industries associated with these areas and is need based and job oriented.

LANGUAGE LABORATORY

Asutosh College has a modern multimedia Language Laboratory with adequate facilities. It is equipped with audio-visual instruments and is used as an aid in modern language teaching. Language Laboratory is a very helpful and effective tool for practising and assessing one's speech in any language. It allows the learners to listen to their own performances.

SUPPORT FOR SLOW LEARNERS

- Remedial classes are regularly arranged to help slow learners to cope with their academics.
- Bilingual mode of instruction and discussions are used in class.
- Academic counselling is done at the departmental level.

EXPOSURES OF STUDENTS TO OTHER INSTITUTION OF HIGHER LEARNING/ CORPORATE /BUSINESS HOUSE, ETC.

- In many departments industrial visits/field trips form part of the teaching-learning process for many of the courses.
- The Industrial Fish and Fisheries Department of the College organizes industrial visits every year to the National Institute of Fisheries, Post Harvest Technology and Training, Kochi.
- A visit to Variable Energy Cyclotron Centre, Bidhannagar; Kolkata was organized by the Physics Department.

- Students participate in seminars, workshops and Summer Training programmes organized by other Institutions.
- P.G. Environmental Science (3rd Semester) – Industry Visit like Fritolays, Mother Dairy, etc.
- Visit to Botanical Survey of India and Botanical Garden as a part of curriculum of Botany (Hons.)
- Visit to Industry and Research Institute is also a part of Microbiology (Hons.) students.

TABLE 5.1.4E PARTICIPATION OF STUDENTS IN INDUSTRY AND RESEARCH INSTITUTE VISIT

DEPARTMENT	INDUSTRY BASED ACTIVITY
BOTANY	TEMI TEA ESTATE DUNCAN TEA ESTATE BOSE INSTITUTE FARM HOUSE BOTANICAL SURVEY OF INDIA, KOLKATA & GANGTOK
MICROBIOLOGY	MOTHER DAIRY IFB AGRO INDUSTRIES NITROFIX
INDUSTRIAL FISH AND FISHERIES	MARINE CAPTURE FISHERY , DIGHA KVK,NIMPITH NATIONAL INSTITUTE OF FISHERIES POST HARVEST TECHNOLOGY AND TRAINING, COCHIN & VIZAG
GEOLOGY	TATA IRON &STEEL CO. URANIUM CORPORATION OF INDIA LTD. STEEL AUTHORITY OF INDIA LTD. GEOLOGICAL SURVEY OF INDIA
B.VOC.	MAPLE TECHNOLOGIES SUPERTRON INFOTECH PVT. LTD.

	APEX BODY : MCC
COMMUNITY COLLEGE	<p>SAMSUNG INDIA PVT.LTD.</p> <p>GEE-PEE MOBILE PVT.LTD.</p> <p>MAPLE TECHNOLOGIES</p> <p>SUPERTRON INFOTECH PVT. LTD.</p> <p>APEX BODY : MCC</p>
ENVIRONMENTAL SCIENCE	<p>MOTHER DAIRY</p> <p>BANTALA LEATHER COMPLEX</p> <p>ASG BIOCHEM PVT. LTD.</p> <p>HINDUSTAN UNILEVER LTD.</p>
B.B.A.	<p>DEY'S MEDICAL</p> <p>TIDE WATER</p> <p>HINDUSTAN PAPER CORPORATION LTD.</p> <p>NATIONAL INSURANCE COMPANY LTD.</p> <p>POWER GRID CORPORATION OF INDIA LTD. AMBUJA CEMENT LTD.</p> <p>COAL INDIA LTD.</p> <p>CESC LTD.</p> <p>BANK OF BARODA</p> <p>ICICI BANK</p> <p>STATE BANK OF INDIA</p> <p>UCO BANK</p> <p>HONDA</p> <p>BENGAL HARLEY DAVIDSON</p>

	TIME BUSINESS SOLUTIONS
	ESAB
	INDOFIL LTD.
	ADITYA BIRLA GROUP
	JAYASHREE TEXTILES
	BERGER PAINTS
	PIZZA HUT
	COCA-COLA DIAMOND BEVERAGES LTD.
	PRIYA FOOD LTD.
	AIRPORTS AUTHORITY OF INDIA
	INDIAN OIL CORPORATION
	BM BIRLA HEART RESEARCH CENTRE
	CALCUTTA MEDICAL RESEARCH INSTITUTE
	JINDAL LTD.
	VISA POWER LTD.
	SUZUKI STAR-BURST MOTOR PVT. LTD.
	BISK FARM
	TAZZA TV
	ASIAN PAINTS
	VODAFONE
	AIRTEL
	INFINITY INFOTECH PARKS LTD.
	EAST INDIA PHARMACEUTICAL WORKS LTD. ROYAL ENFIELD

ASUTOSH COLLEGE SSR 2015

	AUSTIN LTD. PRINTOFIX, VIP LUGGAGE ITC SONAR
--	---

PUBLICATION OF STUDENT MAGAZINES

The college publishes the College Magazine annually where staff and students of different departments contribute articles, essays, poems. The Students' Union coordinates the publication. Following are the details of the magazines published in the last five years:

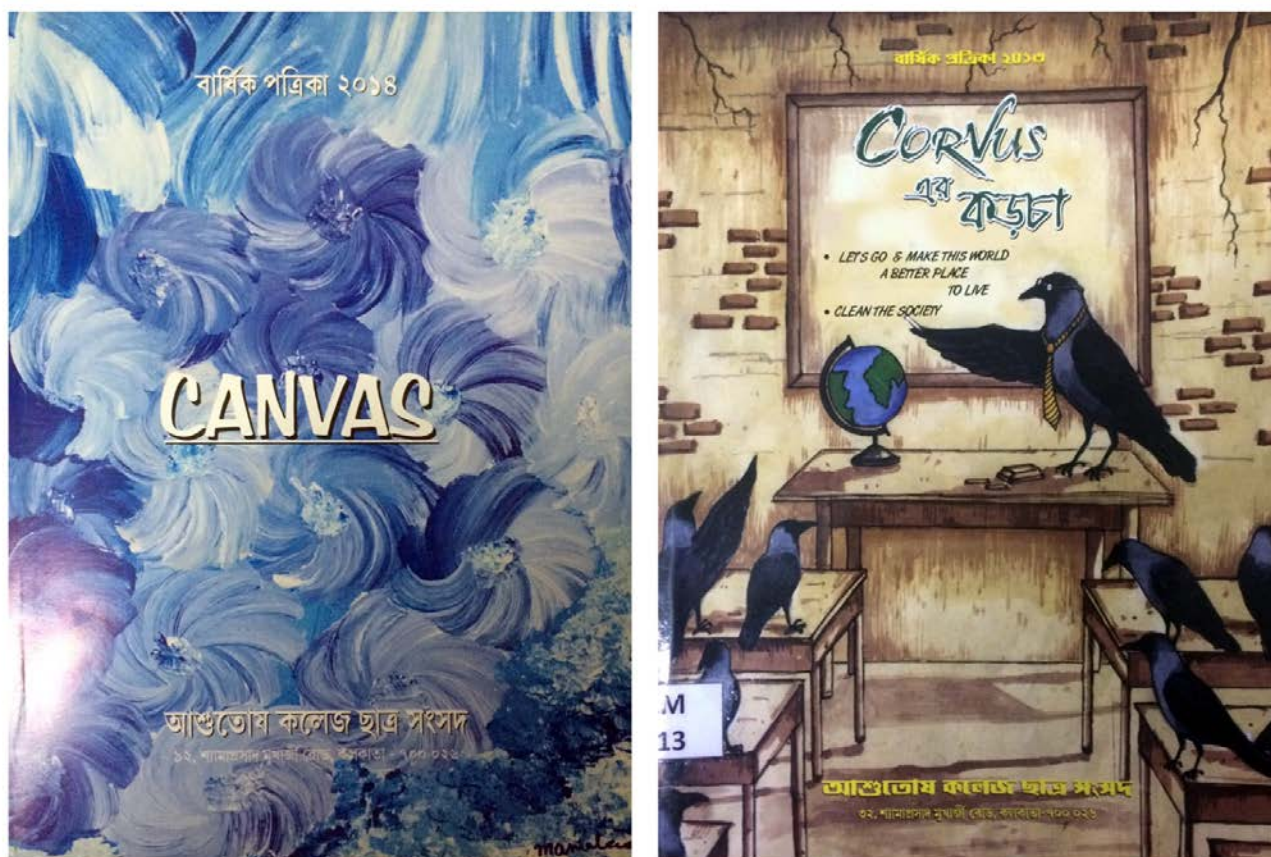
TABLE 5.1.4F PUBLICATION OF COLLEGE MAGAZINE

Publication Year	Name of the Magazine
2010	Asutosh College Patrika
2011	Jatrik
2012	Jatrik
2013	Corvus-Er-Korcha
2014	Canvas

Some of the departments publish wall magazines & Departmental magazines regularly or to celebrate special occasions. Some of the recently published magazines include:

TABLE 5.1.4G PUBLICATION OF WALL MAGAZINE BY DEPARTMENTS

Department	Name of the magazine
Environmental Sc.	<i>Mohona</i>
Psychology	<i>Anwasha</i>
Zoology	<i>Myna, Fauna</i>
Communicative English	<i>Communique</i> (Vol-4-2014)
Chemistry	<i>Aspiration</i>
Microbiology	<i>Spectrum</i>
Botany	<i>Green line</i>
Journalism and Mass Communication	<i>Wall.comm</i>



Cover pages of the College Magazine, 2014 & 2013

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

The Career Counselling Cell provides necessary information and prospects of entrepreneurship in various fields.

- Careers in Communication – organized in College by Commits – Convergence – Institute of Media Management & Information Technology Studies, Bangalore. The programme is being organized by Electronics Dept. and Computer Science Dept. on regular basis.
- UGC-approved B.Voc. Courses in Industrial Aquaculture and Fisheries and Software Development and Community College Scheme in Mobile Communication and Software Development aim to equip the students with knowledge and training to develop their entrepreneurial skills.

ASUTOSH COLLEGE SSR 2015

- The industrial visits undertaken by the departments of Industrial Fish and Fisheries, Physics, Industrial Chemistry and Hospital Waste Management, etc., also help to inculcate the entrepreneurship skills among the students.
- The College also offers Certificate Courses in Export and Import, Advanced Diploma Courses in Safety Engineering and Computer Training to equip the students and make them capable of facing the competitive job market effectively.
- The Electronics department organizes a 'Design Yourself' programme to encourage young scientific minds.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debates and discussions, cultural activities, etc.

- Students are actively encouraged and supported by their respective departments to participate in various academic, cultural, sports and other co-curricular activities.
- Professors-in-charges of cultural affairs and sports and games ensure that no students participating in various co-curricular activities of the College miss out on class lectures and extra classes are held to meet their losses.

TABLE 5.1.6. PARTICIPATION OF STUDENTS IN COMPETITIONS

NAME OF THE EVENT	ORGANISED BY	YEAR
Quiz Contest on Swami Vivekananda	Vivekananda College, Thakurpukur	January 2012
Debate on Swami Vivekananda	West Bengal Government	September 2012
20th Dipta Memorial Symposium & 21st Dipta Memorial Symposium	Bose Institute, Kolkata	2011 2012
Article Publication	Competition Success Review	2015
Sports Discus Throw	Uttar Dinajpur District Sports Meet	2012
Sports Javelin Throw and	Uttar Dinajpur District Sports Meet	2012

ASUTOSH COLLEGE SSR 2015

Inter College Quiz and Debate Contest for the IDFC in our hands	Quizcraft Events & Communication, New Delhi	September 2013
Quiz contest	NSHM	September, 2014
Annual conference of SRSD	SRSD Memorial SikshaSadan	October, 2014
Debate competition	Matri Bhasa Rashtriya Siksha Sansthan and Maharani Kasiswari College	September, 2014
Debate competition	Kolkata Day Students Home	September, 2014
Debate competition	Communique, Bhawanipore Education Society College	November, 2014
Debate competition	Umang, Bhawanipore Education Society College	December, 2014
Quiz contest	Kaleidoscope, Lady Brabourne College	December, 2014
Debate competition	South Calcutta Girl's College	December, 2014
Sports Badminton Singles	South Kolkata District Championship	2014
Ramakrishna Mission Photography Course	Calcutta University	July - December, 2014
Debate Competition	Calcutta University	May, 2015
Debate Competition	Xavullash and Sanhoti, St.Xavier's College	2015
Debate Competition	Gokhale Memorial Girls' College	February, 2015
Football Competition	Inter College Sports Tournament, 20Bengal Battalion	2015
Relay Race	Inter College Sports Tournament , 20Bengal Battalion	2015
Youth Mock Parliament and Quiz contest	Calcutta District Youth Parliament Competition 2015-16 organised by Government of West Bengal	2015
Sports- Cricket	Pal & Chatterjee Cricket Academy T20 Kolkata Cup	June, 2015

5.1.7 Enumerating the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defence, Civil Services, etc.

- The Asutosh College Training Centre was set up with the mission to train, support, guide and equip students for competitive examinations and also open up employment opportunities. The institution provides training for WBCS, UGC-CSIR- NET, UGC-NET, SLET, SSC and other competitive examinations.
- The institute conducts Certificate courses in Export & Import, Advanced Diploma Course in Safety Engineering, courses for Soft Skills Development and Computer Courses. Career counselling is also available.

TABLE 5.1.7 STUDENTS ENROLLED AND BENEFITTED FROM SKILL-ORIENTED PROGRAMME

	COURSE	2014		2013		2012		2011	
		ENR	QLF	ENR	QLF	ENR	QLF	ENR	QLF
1	NET/SET	70	18	73	14	80	19	122	27
2	WBCS/COMBINED EXAM	36	10	41	11	43	09	51	12
3	SSC	38	09	38	08	47	09	55	10
4	EXPORT IMPORT	13	12	09	09	11	11	12	12
		ENR	IN JB	ENR	IN JB	ENR	IN JB	ENR	IN JB
5	COMPUTER COURSES (A LEVEL)	23	20	21	20	28	20	40	30
6	COMPUTER COURSES (O LEVEL)	28	18	31	26	43	40	47	40

ENR: ENROLLED QLF: QUALIFIED IN JB: APPOINTED IN JOB

NB: The database is updated constantly on receiving information from students.

- The institution has always given special emphasis on providing guidance and support to students and in arranging classes by experts for most competitive examinations.
- Students are personally guided and counselled by the teachers regarding their future career options and subject-related entrance tests.

- The Principal and faculty members provide letters of recommendations and evaluative reports to students which are required for purposes of recruitment for research work or for employment.

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)?

- Remedial classes are taken to support the weaker category of students.
- Departmental library facilities are available in all the departments.
- Encouragement to PG students to attend seminars, conferences, workshops and present papers, project work.
- Psychotherapy unit provides student support services.
- Career Counselling unit provides guidance regarding employment opportunities.
- NCC and NSS units provide a platform for social awareness.
- HoDs and other faculty members are always accessible for counselling and advice.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

- The College has a Career Counselling and Placement Cell looked after by Dr. Abhik Kundu of the Department of Geology and Smt. Rupa Bhattacharya of the Department of BBA, assisted by Dr. Dhiman Dutta of the Department of Statistics, which regularly interacts with industry and brings in industry placement experts for students career counselling.
- Its goal is to provide employment opportunities to every willing student on completion of her/his academic curriculum.
- It has organized several seminars, interactive sessions, industry-faculty meet, recruitment drives and awareness programmes and job fairs.
- Reputed Indian and multinational companies regularly visit the campus and select a large number of students for recruitment. The list includes Cognizant, TCS, Tech Mahindra, IBM Daksh, Accenture, Wipro BPO, ACC, PCI, Genpact, Ranbaxy, GSK, Pantaloons (Retails) to name a few.

TABLE 5.1.9. LIST OF COMPANIES THAT VISITED AND RECRUITED STUDENTS THROUGH PLACEMENT CELL

YEAR	COMPANIES VISITED AND RECRUITED
2013	NSHM College of Management & Technology for WIPRO Pool Campus
2014	Accenture Wipro BPO Fusion BPO Services group GruppentTechnologie Private limited TAG – Sourcing, Infospace Kolkata, UnitechHiTech Structure Ltd VAP Technology Pvt. Ltd. PNB METLIFE Talent Acquisition Group, Tata Consultancy Services Mendine
2015	ICICI Prudential Life Insurance Co. Ltd. Abbott Nutrition AVP-Corporate Solutions DELSAT INFOTECH (Twice) ICICI Prudential Life Insurance Co. Ltd. TCS-BPS

5.1.10. Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

- A Grievance Redressal Cell was constituted under the stewardship of Prof. Debika Halder with the objective of looking into the various problems/grievances of the students.
- A Grievance Redressal Box on the corridor has been set up so that the students can appeal for redressal. The Teachers' Council Secretary and the President of the Students' Union are responsible for maintaining links with the students.

The numbers of records that are found though not huge are tabulated below.

CASE REPORTED IN DECEMBER, 2013 (11.12.13)

Name	Sayan Mukherjee
Brief Description	A student named Sayan Mukherjee had placed a complaint against a student who had posted a slang word in his social networking site.
Action Taken	Members of the Grievance cell had a meeting with the concerned students and the problem was sorted out.
Status of disposal	Student Interest was given priority.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The college follows a 'zero tolerance' policy regarding sexual harassment.

- There is an Anti-sexual Harassment Standing Committee. Prof. Mahasweta Das Sharma is in charge of the committee along with of Prof. Debika Halder and Prof. Raikamal Dasgupta.
- The College also arranges gender sensitization programme for awareness among the students.
- The institution has not witnessed a single case of sexual harassment during the last four years.
- It is also worth mentioning that the Students' Union of the College is very sensitive about the issue of sexual harassment and takes all precautionary steps to curb any untoward incidents.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The college follows a 'zero tolerance' policy regarding ragging.

- The College has an Anti-ragging cell. Dr.Chandranath Mukherjee is in charge of it while Professor Raikamal Dasgupta is in charge of the Disciplinary Committee.
- At the beginning of every academic session, freshers are made aware of the ragging-related rules and regulations. The Rules are written on a board, as well as in the Prospectus, so that the students become conscious about the policies of the College. The rules are also mentioned in the Prospectus.
- At the time of admission a declaration is taken from students and guardians in this regard.

GRIEVANCE RECEIVED AND REDRESSED DURING THE LAST 4 YEARS

CASE REPORTED ON DECEMBER 2014

Name	Anonymous student from Geology
Brief Description	Anonymous letter forwarded by the V.C., University of Calcutta regarding a complaint of ragging in the Geology Department in 2014.
Action Taken	A Fact Finding Committee was formed on the basis. Principal and members of the Committee had a talk with the students concerned. The accused students were cautioned.
Status of disposal	Student Interest was given priority.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

The College offers a number of welfare schemes for the general students in addition to special support in specific cases.

- Financial support to SC/ST/OBC/ financially weak students.
- **Cheap Store:** Books, pen, writing sheets and other stationery are available during college hours from the cheap store on the ground floor of the main building.
- **Cheap Canteen:** There is also a food corner that serves food at a subsidized rate.
- **Students Health Home:** Facilities of Students' Health Home are available to the students.
- **Mediclinic Policy:** Mediclinic facilities are available for the students for which the premium is given by College.
- **Photocopy Centre:** The facility is provided to the students at a subsidized rate. This centre is located on the ground floor of the Annexe building (Asutosh College Training Centre).
- **Placement Cell:** The College has an active Placement Cell to provide employment opportunities to every willing student on completion of her/his academic curriculum.
- **Free-studentship:** Tuition Fees concession may be available to meritorious students coming from economically backward families.
- **Free Remedial Coaching:** UGC sponsored free remedial coaching for SC/ST/OBC/Minority students are being held in each Department.
- **Free Coaching for entry into Services:** UGC sponsored free coaching for SC/ST/OBC/Minority students are being arranged for WBCS, SSC, NET & SET examinations.
- Psychotherapy Unit.
- Free IT facilities.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructural development?

The College has an Alumni Association, established in the year 2010 and registered under the West Bengal Society Registration Act, 1961 (Registration No.72752). Its registered office is at 92, S.P. Mukherjee Road, Kolkata 700026.

The management and control of the society is effected by an Executive Committee. As of now Executive Committee is constituted of the following members:

TABLE 5.1.14 A COMPOSITION OF ALUMNI ASSOCIATION

PORTFOLIO	NAME OF MEMEBER
President	Shri Shomnath Basu
Working President	Prof.Dipak Kumar Kar
Vice-President	Dr.Sajal Bhattacharyya Dr.Debdas Ray
General Secretary	Prof.Rupa Bhattacharya
Asst. General Secretary	Dipit Bose Simanta Raj Mukherjee Jayanta Dutta
Treasurer	Samir Kanti Dutta
Asst. Treasurer	BidyutDey Partha Chowdhury
Executive Members	Basudeb Bhattacharyya Debasish Kundu Bipul Kumar Das Ashish Das Onkar Ghosh Manabendra Saha Mrityunjoy Ghosal Amitava Roy Sarthak Banerjee Subir Kumar Nath Baiswanar Chattapadhyay Partha Sarkar

The aims and objectives of the Association whose members exceed 500, are primarily to give suggestions and support for the improvement of the College and bring about social welfare through different programmes:

- Organised a Blood Donation Camp on 29th September 2011.
- Exhibition of a Tableau and organizing a massive morning procession (*Probhatpheri*) to celebrate the commencement of the celebration of Sir Asutosh Mukherjee's 150th Birth Anniversary.
- Distribution of pens as a token of encouragement to all the newly admitted students of Asutosh College in the Session 2013-14.
- Free Studentship for a needy student of Zoology Honours in the year 2013-14.
- Paid homage to the departed soul of Dr Debabrata Choudhury, Ex-Principal of Asutosh College.
- Offering free studentship to few students for the academic session 2014-15

ASUTOSH COLLEGE SSR 2015

- Alumni Association will felicitate some eminent alumni of this college in the Centenary Year, among them
 - Eminent educationist and former VC, Visva Bharati, Dr. D. K. Sinha
 - Dr. Partha Chatterjee, HEM, Govt. of West Bengal
 - Eminent scientist, Dr. Arun Sharma
 - Well-known illusionist, P. C. Sorcar, Jr
 - Actor-director-singer, Anjan Dutt
 - Well-known singer, Anup Ghosal
 - Eminent lawyer, former Mayor, KMC, Bikash Ranjan Bhattacharjee
 - Sportspersons, Chuni Goswami and Manash Bhattacharjee

NOTABLE ALUMNI OF ASUTOSH COLLEGE

Asutosh College is *Alma Mater* to many illustrious personalities who have made definitive and pioneering contributions to their chosen fields of activity. Few may be mentioned:

- Prof. Arun Sharma (Padmabhushan and Bhatnagar Awardee)
- Prof. U.R. Ghatak (Bhatnagar Awardee and Ex-Director IACS)
- Prof. Anandadeb Mukhopadhyay (Ex-VC, Vidyasagar University),
- Prof. D.K. Sinha (Ex-VC, Visva Bharati University),
- Dr. Rathindra Mohan Chakraborty (Director, Nehru Museum, Mumbai)
- Dr. Partha Chatterjee (Education Minister Govt. of West Bengal)
- Late Chinmoy Chatterjee (Rabindrasangeet Exponent)
- Dr. Anup Ghoshal (Singer and Member of Parliament)
- Sri Anjan Dutt (Actor, Singer and Film Director)
- Late Rabi Ghosh (Actor)
- Sri P.C. Sorcar (Jr) (Illusionist)
- Sri Tushar Talukdar (IPS Officer: Ex-Commissioner, Kolkata Police)
- Sri Bikashkali Basu (IPS Officer: Ex-Commissioner, Kolkata Police)
- Sri Chuni Goswami (Olympian Footballer)
- Sri Sukumar Samajpati (Footballer)
- Sri Manas Bhattacharjee (Footballer)
- Sri Bimal Mitra (Writer)
- Sri Bikas Ranjan Bhattacharya (Advocate and Ex -Mayor Kolkata Municipal Corporation)
- Sri Ajit Sengupta (Justice: Kolkata High Court)
- Sri Rupam Islam (Singer and Music Director)
- Srijato (Poet)
- Sri Binayak Bandopadhyay (Writer)



P.C. Sorcar, Jr., Alumnus, speaking at an Alumni Meet

5.2. STUDENT PROGRESSION

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

- The College runs both UG and PG courses. To the best of our knowledge the student progression to higher education and/or employment is as tabulated below:

TABLE 5.2.1 A. STUDENT PROGRESSION PERCENTAGE TO HIGHER EDUCATION AND EMPLOYMENT

STUDENT PROGRESSION	PERCENTAGE
UG to PG	60% - 70%
PG to M. Phil.	5% - 10%
PG to Ph.D.	10%
Employed at UG level	50%
Campus selection	5%
Other than campus recruitment	45%

DATA VARIES FROM DEPARTMENT TO DEPARTMENT. DATA PROVIDED HERE IS THE AVERAGE OF THE INPUTS RECEIVED FROM THE VARIOUS DEPARTMENTS. PLEASE REFER TO INDIVIDUAL DEPT INPUTS FOR DEPARTMENTAL DATA.

TRENDS OBSERVED

1. The major trend observed from the data is that most of the students prefer to pursue higher studies in the form of doing post graduation in different Universities and institutes.
2. It must be noted that in recent times a number of colleges have opened Post-Graduate Courses in different subjects with a 60:40 (marks: exam) system for PG admission. Hence, the numbers of PG seats have gone up considerably over the years.
3. In modern subjects with ample scope in the area of research, progress to PG and research is higher whereas in case of subjects which are more job-oriented progress to the job sector is higher.
4. A significant number of students take training at the ACTC training centre units for examinations like NET, SET, SSC, WBCS and appear and succeed in competitive examinations. The College provides necessary training for the same.
5. Introduction of PG courses in Distance mode also have contributed significantly in the rise of PG admission.
6. Introduction of job oriented training programmes, B.Voc. and Community College schemes and Add-on courses will in future increase prospects of students in the field of employment.
 - It is worth mentioning that our students get necessary recommendations and reference to the research guides for Ph.D. work especially in foreign universities.
 - Many of our faculties are engaged in Research and supervision of our students.

- 5.2.2 (i) Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)?
- (ii) Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

TABLE 5.2.2A PROGRAMME WISE PASS PERCENTAGE (LAST 4 YEARS)

YEAR	BSC (HONS)			BA (HONS)			BSC (GEN)			BA (GEN)		
	APRD	PSD	%	APRD	PSD	%	APRD	PSD	%	APRD	PSD	%
2015	729	638	87.5%	393	346	88%	173	87	50%	269	72	27%
2014	670	479	71.5%	348	298	85.6%	117	47	40%	297	102	34%
2013	682	598	88%	379	340	90%	129	69	54%	285	108	38%
2012	450	402	89%	289	256	89%	112	73	65%	209	100	48%
AVG			84%			88.2%			52.3%			37%

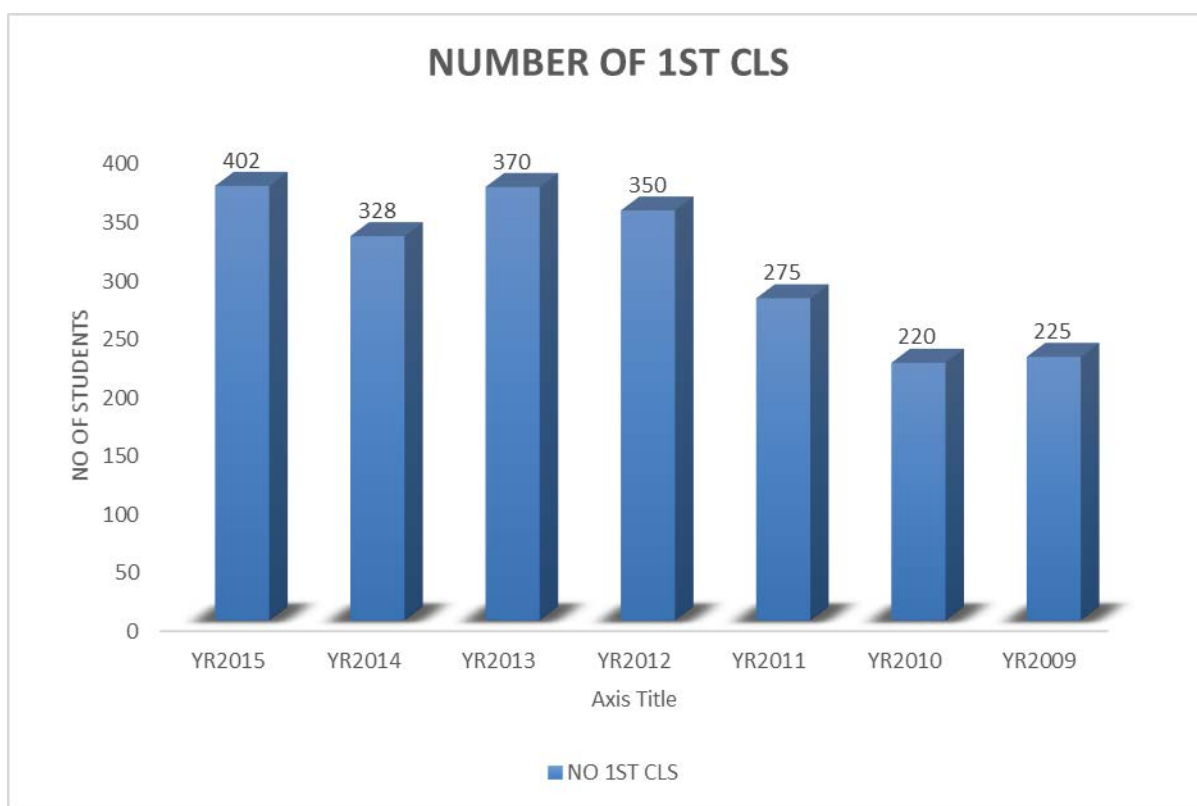
The comparison of overall result at the Honours Level of the last few years is given below:

ASUTOSH COLLEGE SSR 2015

TABLE: 5.2.2B RATE OF SUCCESS AND NO. OF 1ST CLASS IN LAST 7 YEARS

YEAR	SUCCESS	NO OF 1 ST CLASS
2015	97%	402
2014	98%	328
2013	99%	370
2012	98%	350
2011	99%	275
2010	96%	220
2009	97%	225

The above data clearly shows that in spite of increase in number of students being admitted in the college there has been a consistency in the success rate and a gradual increase in the number of students getting 1st class marks



Comparison of student's performance with other colleges is difficult to assess as the performance data of other colleges are not publicly available.

TABLE 5.2.2.C RESULTS OF PART-III EXAMINATION [2012-2015]
UNDERGRADUATE LEVEL

Subject	2012			2013			2014			2015		
	APPD	1 ST CLS	Rank Holder Top 10	APPD	1 ST CLS	Rank Holder Top 10	APPD	1 ST CLS	Rank Holder Top 10	APPD	1 ST CLS	Rank Holder Top 10
Biochemistry	26	11	2nd	33	23	2 nd , 3 rd	24	19	1st	28	13	
Botany	20	5		37	16		34	8		23	7	
Chemistry	38	23		62	36		62	31	1 st	58	31	
Comp. Science	32	14	3rd	67	46	3 rd , 4 th	51	25	3 rd	76	58	1 st , 2 nd
Economics	54	19	1st	57	30	3 rd	45	14	1 st	55	22	
EnvSc	NA	NA	NA	NA	NA	NA	29	20	2 nd	30	16	1 st
Geography	55	8		70	05		77	25	2 nd	77	24	
Geology	25	14	1 st , 2 nd	32	21		41	24	2 nd	75	24	
Mathematics	38	5		67	22		82	29	1 st	61	16	
Microbiology	27	19	1 st ,	28	19		39	18	1 st , 2 nd	33	19	
Physics	47	21		72	36	3 rd	74	26		84	29	
Psychology	41	7	3 rd	54	09		41	06		44	05	
Statistics	37	11		53	24	1 st , 2 nd	44	12	2 nd	56	14	2 nd
Zoology	31	17		56	31	3 rd	42	28		47	32	
I.F.F.	29	15		22	14	1 st , 2 nd , 3 rd	20	14	1 st , 2 nd , 3 rd	24	15	
Bengali	44	1		50	03		52	03		54	04	
English	56	0		65	01		61	00		77	00	
History	46	0		58	00		47	00		58	00	
Journalism	34	02	3 rd	46	0		49	04	1 st , 3 rd	71	04	1 st , 3 rd
Philosophy	11	02		14	01		22	03	1st	15	00	
Political Science	19	02		27	01		27	00		45	02	
Sanskrit	17	0		39	0		34	1		13	01	
Sociology	19	0		28	02		23	01		29	03	
Comm. English	42	23		47	24		15	03	2 nd	46	23	

ASUTOSH COLLEGE SSR 2015

BBA	26	9		31	5		26	7	1 st			
Electronics	7	2		17	09		16	07	2 nd	23	08	

POSTGRADUATE LEVEL

Subject	2012		2013		2014		2015	
	No. of Student Appeared	No. of 1 st Class	No. of Student Appeared	No. of 1 st Class	No. of Student Appeared	No. of 1 st Class	No. of Student Appeared	No. of 1 st Class
ENVS	28	28	26	26	20	20	17	17
ZOOLOGY	25	20	25	17	28	25	31	23
BENGALI	NA		54	40	54	54	61	59
GEOGRAPHY	25	23	25	25	24	24	24	23

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- Through proper and timely counselling of students of the Honours courses regarding PG admission to the affiliating and other universities, both in the state and elsewhere.
- Postgraduate courses run by the institution in regular mode (under Calcutta University) in Geography, Bengali, and Zoology. Applied Geology, Environmental Science and Computer Science under Calcutta University ensure progression to higher studies for many students. In addition to this we have introduced four PG courses through Distance mode.
- UGC- approved B.Voc. courses in Industrial Aquaculture and Fisheries and Software development and Community College scheme in Mobile Communication and Software Development aim to facilitate students to progress towards employment
- Add -on Courses in Travel and Tourism, Industrial Chemistry and Hospital Waste Disposal Management also help in employment based training.
- Diploma Courses in Safety engineering, Certificate Courses in Export and Import and Computer Training Courses make them capable of facing the competitive job market effectively.
- Training for WBCS, SSC, NET, SET also helps students prepare for these entrance examinations paving the way for future employment.
- An active Career Counseling Cell and a Placement Cell give in exposure to students to the job market.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

In the college mainly two categories of students are at the risk of dropping out-- those with financial problems or academically poor students. The college has its own time tested mechanism to counter and support both these categories of students.

A. ECONOMICALLY BACKWARD STUDENTS

- Tuition fees concession is made available to meritorious students coming from economically backward families.
- Faculty members interact with the weak students and provide necessary support in the form of lending of books and photocopies of handouts.
- Hostel accommodation is provided free of cost or at a nominal rate from students who come from financially underprivileged backgrounds.
- Free remedial class, free coaching for WBCS, SSC, NET & SET.
- Free studentship and scholarships are awarded to the deserving students.

B. ACADEMICALLY BACKWARD STUDENTS

- Remedial Class, Tutorial class and constant monitoring are done for the upliftment of standards.
- Guardians are kept informed and remedies suggested.
- Training for WBCS, SSC, NET and SET given free of cost.
- Parent-Teacher meetings are held regularly to apprise the parents about their wards' performance.

5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and programme calendar.

- The authorities of Asutosh College ensure that its students participate and excel not only in curricular but also in extra-curricular activities.
- Round the year activities are organised on behalf of the College, by the Students union, NSS unit, NCC unit and units like Add On courses, Placement cells etc.
- A bird's eye view of some of the major events of the cultural and extracurricular including cultural activities of the institution is being provided followed by list of programmes organised by different units.

A. EXTRACURRICULAR INCLUDING CULTURAL ACTIVITIES ORGANISED BY THE COLLEGE

- The College Foundation Day and the Annual Prize Distribution Ceremony are formally celebrated every year on the 17th July.
- The College celebrates National Commemorative Days like 26th January, 15th August, 24th January (Calcutta University Foundation Day).
- Saraswati Puja/Vasant Panchami, Vanamahotsav, Bhasha Shahid Dibas, World Environment Day, Science Day are celebrated in an appropriate manner.
- Annual Sports Day is celebrated with the enthusiastic participation of all students.
- Students organise and conduct a two-day College Fest every year.
- UGC- sponsored two- day seminar – *Ami Bichitrer Doot: Rabindra jibandrishti Bhabnar Barnali* organised by Bengali (PG).
- One day seminar “Acharya Ray – His Life and Works” was organised by Chemistry and Biochemistry departments.
- Acharya Prafulla Chandra Roy Memorial Hall inaugurated by Prof. D. J. Chattopadhyay, Pro-Vice Chancellor (Academic), Calcutta University.
- Physics Lecture Theatre was named after Sir J.C. Bose on 20th July, 2011 by Prof. Saugata Roy.



Students observing Bhasha Shahid Dibas

❖ **EVENTS TO COMMEMORATE 150TH BIRTH ANNIVERSARY OF RABINDRANATH TAGORE:**

Yearlong celebrations were held to commemorate the 150th birth anniversary of Rabindranath Tagore. Some of the events that were organised are enlisted below:

TABLE 5.3.1A. EVENTS TO COMMEMORATE 150TH BIRTH ANNIVERSARY OF RABINDRANATH TAGORE

DATE	EVENT
13 th MAY, 2010	Inauguration of 150 th Birth Anniversary of R. N. Tagore Lecture by Prof. Pabitra Sarkar, Eminent Educationist and Dr. Dipak Kumar Kar, Principal. Musings on ' <i>Ami Nari Ami Mahiyasi</i> '
24 th MAY, 2010	Release of College Prospectus dedicated to R. N. Tagore. Its impact on society was discussed.
12 th JUNE, 2010	Lecture by Prof. Arunendu Bandyopadhyay, Prof. Subhas Santra – Rabindranath and some thought on environment, organised by Environmental Science (PG)
7 th AUGUST, 2010	' <i>He Mahajibon, He Mahamaran, Loinu Smaran</i> ' - commemorating the death anniversary of Rabindranath.
14 th SEPTEMBER, 2010	' <i>Rabindra Bhabnay Bhugol</i> ' – Commemorating the 150 th Birth Anniversary of Rabindranath, organised by Geography (PG)
12 th OCTOBER, 2010	Recital of Dance Drama ' <i>Parishodh</i> ' – Commemorating the day 10-11 October, 1936 when it was staged in the same hall in presence of Rabindranath.
10 th AUGUST, 2011	Death Anniversary of R. N. Tagore
7 th SEPTEMBER, 2011	' <i>Sudhu Ekti Gondush Jol</i> ' – Dance Drama

❖ **EVENTS TO COMMEMORATE 150TH BIRTH ANNIVERSARY OF SWAMI VIVEKANANDA:**

Year long celebrations were held to commemorate the 150th birth anniversary of Swami Vivekananda. Some of the events that were organised are enlisted below:

TABLE 5.3.1B. EVENTS TO COMMEMORATE 150TH BIRTH ANNIVERSARY OF SWAMI VIVEKANANDA

DATE	EVENT
13 TH JANUARY 2012	Yearlong celebrations of the 150 th Birth Anniversary of Swami Vivekananda. Swami Amalatamananda of Ramkrishna Math, Gadadhar Ashrama and Sri Tarun Goswami of The Statesman were the chief guests. Sri Goswami delivered a lecture on the Values of today's youth in the context of the ideals of Swamiji.
3 RD MARCH 2012	Youth Convention in collaboration with Ramkrishna Math, Gadadhar Ashrama
17 TH JULY 2012	College Foundation Day was organised with Swamiji as the Central theme. Dr Somenath Bhattacharyya of Jadavpur University spoke on the relevance of Swamiji's ideals in today's world followed by a verse drama on Swamiji.
11 TH SEPTEMBER 2012	Chicago Day Celebrated through a conference on education organized in collaboration with Akhil Bharat Vivekananda Sikhsha parishad
18 TH SEPTEMBER 2012	Debate was organised on the motion: "In the opinion of Swamiji austerity is not the sole condition of liberty."
12 TH DECEMBER 2012	Departments of English and Sociology hosted a one day State Level seminar on 'Swami Vivekananda: A role model for Youth.'
12 TH JANUARY 2013	Students, teachers and nonteaching staff members participated in the <i>Vivek Chhatra Yuva Utsav</i> at Yuba Bharati Krirangan, organised by the Govt of West Bengal.
20 TH JANUARY 2013	Student delegates participated in the Youth Convention organised by the Ramakrishna Mission at Belur Math to celebrate the 150 th Birth Anniversary of Swami Vivekananda.
4 TH & 5 TH FEBRUARY 2013	A two day long UGC sponsored seminar was organised entitled "Vivekananda the nation Builder" in collaboration with the Ramakrishna Mission Institute of Culture to commemorate the 150 th Birth Anniversary of Swami Vivekananda.

❖ EVENTS TO COMMEMORATE THE 150TH BIRTH ANNIVERSARY OF SIR ASUTOSH MUKHERJEE

Year long celebrations were held to commemorate the 150th birth anniversary of Sir Asutosh Mookerjee. Some of the events that were organised are enlisted below:

ASUTOSH COLLEGE SSR 2015

TABLE 5.3.1C. EVENTS TO COMMEMORATE 150TH BIRTH ANNIVERSARY OF SIR ASUTOSH MOOKERJEE

DATE	EVENT
29 TH JUNE 2013	The year-long celebration of the 150th Birth Anniversary of Sir Asutosh Mookerjee Founder of the college was inaugurated through <i>Probhat-Pheri</i>
28th JULY 2013	Celebration of the 99th Foundation Day (17th July) of the college&Orientation Programme for first year students.
8 TH & 9 TH NOV 2013	National Seminar on the “Mathematical Contributions of Sir Asutosh Mookerjee and current trends in teaching and research in Mathematics” was organised by the Sivatosh Mookerjee Science Centre and Asutosh Mookerjee Memorial Institute in collaboration with Asutosh College.
28 TH JUNE 2014	The Commemorative volume entitled “ <i>Asutosh: Vidyar Sarathi</i> ” was published on the occasion of the 150 th Birth Anniversary of Sir Asutosh in a glittering ceremony which was inaugurated by Chief Justice (Retd.) Sri Chittatosh Mukherjee and presided over by Prof. Saugata Roy, MP. Distinguished guests included Dr. Suranjan Das (Vice Chancellor of Calcutta University), Dr Basab Chaudhuri (Registrar, CU), Dr Subires Battacharya (Chairman SSC), Dr Mainak Battacharya (President, WB Board of Primary Education), Sri Shovandeb Chattopadhyay(Chief Whip, WB Assembly), Sri Debashish Kumar (Minister-In-Charge, KMC) and Smt. Gargi Nath (Principal, Jogamaya Devi College) among others.
28 TH JUNE 2014	Inauguration of a week-long exhibition on the life and times of Sir Asutosh Mookerjee.

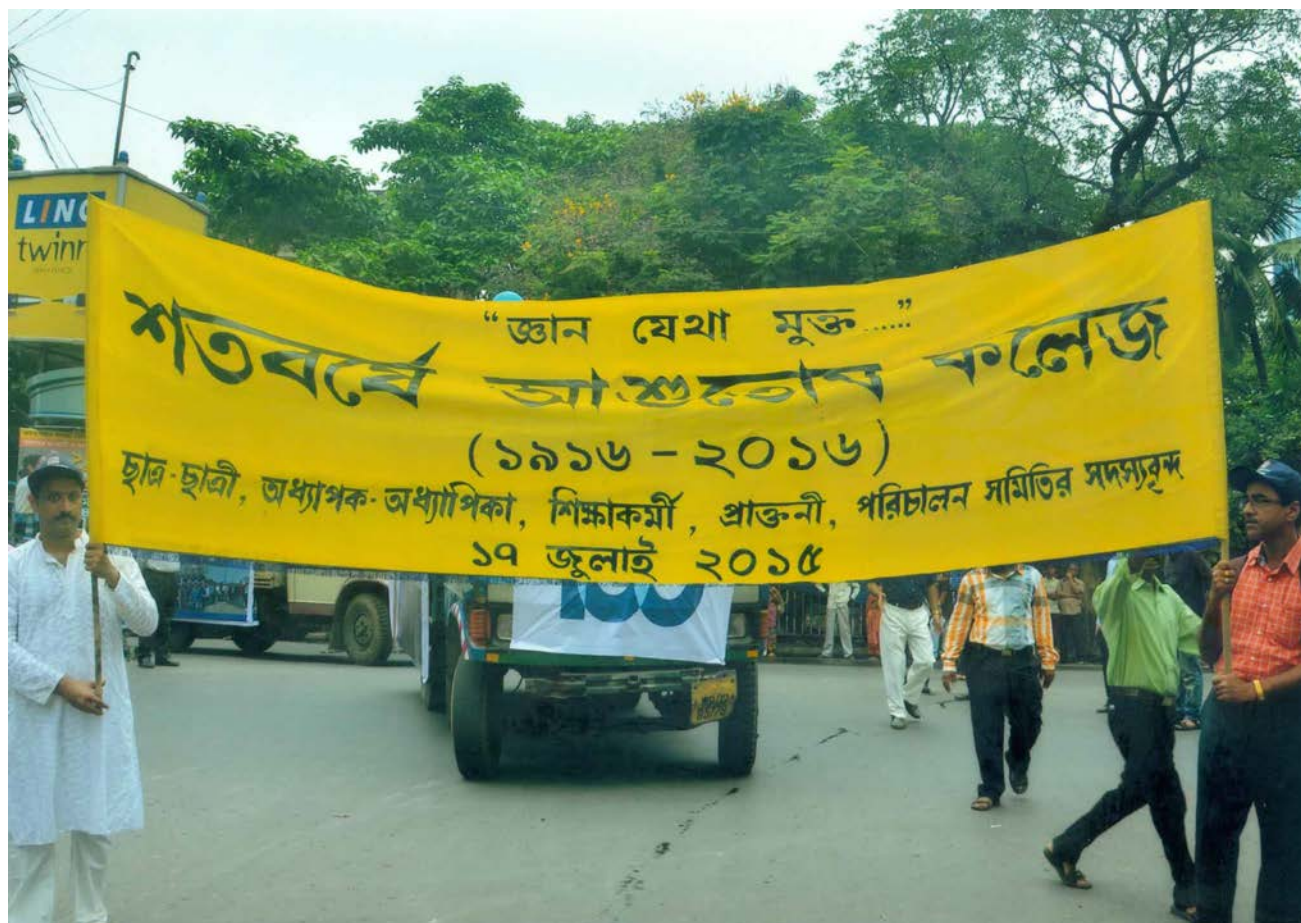
❖ EVENTS TO CELEBRATE THE CENTENARY YEAR OF ASUTOSH COLLEGE

TABLE 5.3.1D EVENTS TO CELEBRATE THE CENTENARY OF ASUTOSH COLLEGE

DATE	EVENT
17 TH JULY, 2015	The yearlong celebration of the College Centenary was inaugurated through a colourful <i>Probhat-Pheri</i>
1 ST APRIL 2015	Inauguration of the College Centenary Building by the Honourable President of India, Shri Pranab Mukherjee, and release of the Centenary documentary CD <i>And The Journey Continues</i> by His Excellency, Sri K.N. Tripathi, the Governor of West Bengal in a grand ceremony at the Ramakrishna Mission Institute of Culture Hall, Golpark. The programme was presided over by Prof. Saugata Roy MP and President of the College GB with Dr. Partha Chatterjee, MIC Higher Education Department (West Bengal), Prof. Suranjan Das, VC, Calcutta University, Swami Suparnanandaji, Secretary, RKMIC and Dr. Dipak Kumar Kar ,Chairperson, WBCSC as Guests- of-

ASUTOSH COLLEGE SSR 2015

	Honour.
1 ST APRIL 2015	Release of the Centenary documentary CD <i>And The Journey Continues</i> by His Excellency, Sri K.N. Tripathi, the Governor of West Bengal in a grand ceremony at the Ramakrishna Mission Institute of Culture Hall, Golpark.
	Work on the publication of a Centenary Commemorative Volume is in progress.
JANUARY, 2016	Publication of TC Journal, <i>Vista</i>
FEBRUARY, 2016	Proposed Mega Sports Event
MARCH, 2016	Proposed Gala Cultural Event



Probhat Pheri to mark the College Centenary

B. EVENTS ORGANISED BY THE ASUTOSH COLLEGE STUDENTS' UNION

The Students' Union has an official cultural forum named "UDAAN" that organises different programmes for the students under the guidance of the Students' Union President and other senior teachers.

A brief account of some important events organised by the students union is given below:

TABLE 5.3.1E EVENTS ORGANISED BY THE ASUTOSH COLLEGE STUDENTS' UNION

DATE	EVENT
29 th – 31 st MARCH, 2011	1 st Inter College Festival " <i>Uchchhwas</i> 2011" – Inaugurated by Chuni Goswami
26TH AUG 2011	Blood donation camp in the College in collaboration with NSS, Asutosh College Unit and an Awareness Campaign for the posthumous donation of body and body parts with the help of <i>Ganadarpan</i> and Department of Philosophy.
15 th AUGUST, 2012	Wall Magazine <i>Pallab</i> instituted by the Student's Union was inaugurated
16 th TO 18 th SEPT 2012	Celebration of Canteen Festival <i>Lalon theke Lennon Utsab</i> (Celebrating Lalon to Lenon) by the Students' Union
11 th OCTOBER, 2012	Freshers' Welcome <i>Agomoni Fest</i> organized by the Students' Union at Nazrul Mancha.
11 th & 12 th DEC 2012	Indoor Games competition for students organised in the Students' Common Room by the Students' Union.
8 th JANUARY 2014	Kolkata District <i>Chhatro Yuba Utsav</i> , a cultural competition held in the College by the Department of Youth Welfare, Govt of West Bengal and KMC in association with the College Students' Union.
17 DECEMBER, 2014	Annual Cultural Programme organized by the Students' Union.
MARCH 2015	Asutosh Premier League organised
8 th MAY 2015	Rabindra Jayanti celebrated by Students' Union
SEPTEMBER 2015	Asutosh Soccer League Organised
SEPTEMBER 2015	Celebration of Canteen Festival <i>Lalon theke Lennon Utsab</i> (Celebrating Lalon to Lennon) by the Students' Union

ASUTOSH COLLEGE SSR 2015

9 TH SEPTEMBER 2015	Short Film Festival TAKE1 2K15 organised by Asutosh College Students' Union
12 TH OCTOBER 2015	Freshers' Welcome "Agomoni2K15" organized by the Union at Nazrul Mancha.
27 TH & 28 TH NOVEMBER 2015	Participated and Secured 1 ST position in Calcutta District Youth Parliament Competition 2015-16 organised by Government of West Bengal
	Participated and Secured 1st position in Calcutta District Youth Parliament Quiz competition 2015-16 organised by Government of West Bengal

Apart from this, the Students' Union organizes many Common Room competitions in debate, recitation, dance, music, face painting, poster making, etc. The Union also helps to organise Independence Day celebrations through a Flag-hoisting ceremony.

C. EVENTS ORGANISED BY THE NSS UNIT ASUTOSH COLLEGE

The NSS unit of the College and organises and participates in different programmes where the students carry out different social outreach programmes

A brief account is given below:

TABLE 5.3.1 F EVENTS ORGANISED BY THE NSS UNIT ASUTOSH COLLEGE

DATE	EVENT
12 TH JANUARY, 2011	National Youth day observed by NSS unit
15 TH TO 21 ST FEB 2011	Special Camp at BHASA South 24Parganas on "Women and Child health care Awareness" where more than 50 localfamilies participated.
	Cleaning and beautification programme at Asutosh College second campus in Bhasa
5 TH JUNE 2011	Walk for the Environment Programme
15 TH JULY 2011	Seminar on Gender and Spirituality
26 TH AUG 2011	Blood donation camp in the College in collaboration with Students Union
9 TH JAN 2012	Workshop on "Youth for Social Change"
12 TH JAN 2012	Observed National Youth Day to commemorate the Birthday of Swami Vivekananda
	Seminar on "Increased Mental Pressure and Tension in students life and how to tackle it"
9 TH FEBRUARY, 2012	Participated in "Ambedkar Utsav"
16 TH TO 22 ND FEB 2014	Special camp in the Slum Area near Dhakuria on Women and Child health care Awareness" where many localfamilies participated.
17 TH APRIL, 2014	Programme on "DIABETES and its harmful effects" followed by free check-

ASUTOSH COLLEGE SSR 2015

	up. Doctors of Peerless Hospital and NRS hospitals were participants.
5 TH JUNE, 2014	Observed World Environment Day
26 th JUNE, 2015	“No Drug Day” was celebrated in Calcutta University main campus and NSS volunteers and NSS officer participated in the programme.
7 th NOVEMBER, 2014	A two day programme of cleaning the college and its surroundings as part of the SWACH BHARAT AVIJAN
31 ST OCTOBER, 2014	A procession to celebrate COMMUNAL HARMONY DAY to commemorate the birth anniversary of Sardar Ballavbhai Patel.
24 TH SEPTEMBER, 2014	NATIONAL NSS DAY celebrated. Theatrical show was staged.
26 TH AUGUST, 2014	Participation in NSS meet in Ramakrishna Mission
18 TH JANUARY, 2015	Polio awareness programme for people of slum areas of Sonarpur.
8 th JANUARY, 2015	Observed and celebrated “The National Flag Day” – a special programme to spread communal harmony where a march was conducted from our College to Rashbehari Crossing.

D. EVENTS BY THE NCC UNIT ASUTOSH COLLEGE

The NCC unit of Asutosh College recruits cadets who participate in different camps organised by the affiliating Army unit and take part in different events of the college also and in competitions organised by the NCC units in other colleges.

TABLE 5.3.1 G EVENTS ORGANISED BY THE NCC UNIT ASUTOSH COLLEGE

YEAR	EVENT
2012	Participated in Republic Day Camp (Delhi)
	Participated in SNIC Rajasthan
	Participated in Maharashtra trekking camp
	Interactive session with NCC officer, 20 Bengal Battalion for recruitment of cadets
	College NCC unit upgraded to platoon
2013	Unit organised a Tree plantation Programme at Bhasa Second campus
	Participated in NIC Camp, Gujarat
2014	College Annual Sports Meet
	South Kolkata District Athletic Meet, Football and Badminton (Women) Championships
	Participated in CATC VI Raipur
	Participated in CATC, Madhayamgram
	Participated in ALC Fort William, Kolkata
	Participated in SNIC, Lakshadweep
	Participated in Water Rafting Camp, Triveni

2015	Participated in IMA Camp, Dehradun
	Participated in OTA Camp, Kamptee
	Participated in CATC Camp, Raipur
	Participated in CATC Camp, Diamond Harbour
	Participated in SNIC Camp, Ladakh
	Participated in Army attachment camp
	Participated in First Intercollege sports Tournament of 20 Bengal Battalion.

E. SPORTS EVENTS ORGANISED AND PARTICIPATED

The college has a tent and ground at Kolkata Maidan. It is only one of two colleges in Kolkata which has this facility. There is also a Gymnasium in the ACTC building. The college football, cricket and rowing teams have won awards at various tournaments and competitions.

Champions among participants are given free studentship. In recent years we have had the opportunity of having distinguished sport alumni of our college including Sri Chuni Goswami, Sri Sukumar Samajpati and Sri Manas Bhattacharya as guests at the Annual College Sports.

Some events of sports organised by the College are as follows, where all the students participate with great enthusiasm and excitement:

- College Annual Sports is held at the College Grounds at Kolkata Maidan every year.
- Asutosh Premier League an Intra-College Knockout cricket tournament is organised with help of the College Students' Union at Harish Park.
- Asutosh Soccer League an Intra-College Knockout football tournament is also organised with the help of the College Students Union at Harish Park.
- The college also encourages the participation of students in different national, state and university level sports events. Some of the events where students of the college have participated individually or as a college team include:

TABLE 5.3.1 H SPORTS EVENTS ORGANISED

Date	Event	Venue
11. 02. 2011	Annual Sports Meet	Kolkata Maidan
14. 02. 2011	Cricket Match between Teaching and Non-teaching	Kolkata Maidan
11 & 12. 12. 2012	Indoor Games Competition	Students' Union Room and Common Room

27 & 28. 02. 2013	Annual Sports Meet	Kolkata Maidan
20 to 24. 02. 2014	South Kolkata District Athletic Meet Football and Badminton (Women) Championship	Kolkata Maidan
27. 02. 2014	College Annual Sports	Kolkata Maidan
26. 02. 2015	College Annual Sports Meet	Kolkata Maidan

TABLE 5.3.1 I SPORTS EVENTS PARTICIPATED

YEAR	PARTICIPATION
2011	Uttar Dinajpur District Sports Association
2012	Uttar Dinajpur District Sports Association
2013	Sub Junior National Netball Championship
2013	South Calcutta District Championship
2014	South Calcutta District Championship
2015	South Calcutta District Championship


Annual Sports



F. ACTIVITIES OF ADD-ON COURSE ON INDUSTRIAL CHEMISTRY

The Add on Course on Industrial Chemistry arranges co-curricular activities for students by including out visits to industries, to give them hand-on-training as tabulated below:

TABLE 5.3.1J INDUSTRY VISIT OF ADD-ON COURSE (INDUSTRIAL CHEMISTRY)

DATE	EVENT
2.4.15	Bengal Beverages
24.3.15	Wet Land Project
9.1.14	Bisk Farm Industry
23.11.13	Palta Water Treatment
15.&16.12.13	Eastern Organic Fertilizer

G. ACTIVITIES OF ADD-ON COURSE ON TRAVEL AND TOURISM

The Travel and Tourism course encourages and arranges different programmes like seminars, workshops and excursions.

TABLE 5.3.1 K ACTIVITIES OF ADD ON COURSE ON TRAVEL AND TOURISM

DATE	EVENT
27th Sept 2013	Attended a seminar organized by the Department of Tourism, Government of West Bengal on World Tourism Day at Bangla Academy. The topic of the seminar was “Water and Tourism: Protecting our common future”.
9th October, 2013	A special lecture entitled “ A journey through the history of West Bengal in relation to its potential in developing tourism” delivered by Dr. Amitava Ghosh in Room No. 30 of Asutosh College main building
28th Nov 2013	An audio-visual narration entitled “Kolkata-a Pictorial journey” given by Dr.Amitava Ghosh at ACTC Seminar Hall
21st Dec 2013	A city tour (Sutanati trail) organized by West Bengal Tourism and participated in by 16 students and teachers of the department.
26th Feb 2014	A special audio-visual presentation jointly by Dr. Chandramalli Sengupta and Dr. Amitava Ghosh entitled “Lok sanskritir Anginay”. This was attended by the students of Travel and Tourism department and other departments of Asutosh College.
6th March to 8th March, 2014	A tour of Santiniketan and Kankalitala was organized by the Department. 16 students and two teachers participated in this excursion.
21st Dec 2014	Half day city tour by the students of Asutosh College Add-on-Course- walking tour through the ‘Ghats’ of the river Ganges.
18th Jan 2015	A whole day tour to Antpur, Rajbalhat, Hooghly district, famous for Terracota curved 18th century Temples and related structures
14th March, 2015	A Seminar on Travel and Tourism – Prospects of Employment on Tourism and a photographic exhibition visited by higher officials of WBTDC.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National /International, etc., for the previous four years.

Students of Asutosh College have enthusiastically participated in different co-curricular, extracurricular activities and get prizes and awards regularly. Records of most are available and maintained.

To ensure that a comprehensive data of achievements is available a Facebook account has been created to receive and maintain the complete database.

Some significant achievers and relevant data are listed below:

TABLE 5.3.2 STUDENT ACHIEVEMENTS IN CO-CURRICULAR EXTRACURRICULAR AND CULTURAL ACTIVITIES

NAME OF STUDENT	DEPARTMENT	AWARD
Meghoranjini Das and Sreeja Mukherjee	Psychology	“Best Paper Award” from SRSD Memorial Shiksha Sadan, 2014
Tejesh Vyas	English	First in debate competition organized by the Matri Bhasa Rastriya Shiksha Sansthan and Maharani Kasiswari College (Sep 2014)
Tejesh Vyas	English	Third Prize in a debate organized by the Kolkata Day Students Home in September, 2014
Kalpita Wadher and Tejesh Vyas	English	Winner of debate at Communiqué organized by the Bhowanipore Education Society College in November, 2014.
Kalpita Wadher and Tejesh Vyas	English	Third in the “Umang” debate organized by the same institution in December 2014.
Kalpita Wadher and Tejesh Vyas	English	First prize in the debate organized by South Calcutta Girls’ College in December 2014.
Tejesh Vyas	English	Winner in a debate organized by Calcutta University in May 2015.
Indrani Mukherjee	Journalism & Mass Communication	Won the debate (The Telegraph You Your Campus Buddy’)

ASUTOSH COLLEGE SSR 2015

		organized by ABP Pvt. Ltd.
Mohammad Afnaul Haque	Journalism & Mass Communication	Won the 2nd prize in the quiz contest organized by NSHM (login astiture quiz competition), September 2014
Mohammad Afnaul Haque	Journalism & Mass Communication	Won the 2nd prize in the quiz contest organized by Lady Brabourne College, December 2014
Raktim Saha	Journalism & Mass Communication	First in the Ramkrishna Mission Photography Course organized by Calcutta University (July-December,2014)
Arkajeet Banerjee	Journalism & Mass Communication	First Prize in the debate competition (Xavullash 2015,Sanhoti 2015) organized by St. Xaviers College.
Arkajeet Banerjee	Journalism & Mass Communication	First prize in the inter-college debate organized by Gokhale Memorial Girls' College in February,2015.
Subhendu Pathak	Journalism & Mass Communication	His article on "Niti Aayog" was selected for publication in the competition success review.
Anup Kumar Barman	Asutosh College	First Position in Discus Throw and 2 nd position in Javelin Throw and Shot Put for boys in The Uttar Dinajpur District Sports meet in 2012
Rumela Dutta	Asutosh College	Runners Up in Badminton Singles in South Kolkata District Championship in 2014.
Kumarjit Dutta	Asutosh College	First in Junior National Aquatic Championship in 2015 and now represents Bengal.
The NSS team	Asutosh College	Runners Up in Football in the

ASUTOSH COLLEGE SSR 2015

		First Inter College Sports tournament of 20 th Bengal Battalion in 2015.
The NSS team	Asutosh College	Third in 4 X 100 mt Relay Race in the First Inter College Sports tournament of 20 th Bengal Battalion in 2015.
DEPARTMENT OF GEOGRAPHY		
Debarghya Chakraborty	1 st Prize Netaji Birthday Ceremony in Recitation	2014
Kushal Mukherjee	Best Photo of the month award from Pixoto	2014
Ankita Biswas	2 nd Prize Inter School Debate Competition	2014
Sayanti Das	2 nd Prize North East Zone Calcutta centre in Essay	2013
Anup Kumar Barman	2 nd and 1 st prize in State level and District level javelin	2013
Neha Das	Prize in Dancing in Inter School Fashion Design	2013
DiwakarYadav	1 st and 2 nd Prize in Running in NCC competition	2013, 2012 2011
Srutilekha Roy	Awarded the 1st Prize in Kheyal and Ragpradhan and 3rd Prize in Bhajan. In The Dover lane Music Competition	December , 2011
	Awarded National Scholarship(Govt. Of India) in Light Classical Music (Thumri, Dadra, Tappa Etc.).	January 2014
Aritree Chakraborty	Awarded 1 st position in Rabindra Nritta organized by Marwari Yuva Manch	2011
DEPARTMENT OF ELECTRONICS		
A team of 2 nd year (Honours) students (Debaditya Mukhopadhyay, Manali Sarkar, Samhati, Arunava Naskar, Debarghya Das	2 nd prize in a dynamic model presentation competition, the IIT Kharagpur	2013

ASUTOSH COLLEGE SSR 2015

B.Sc. 2 nd Year (Honours) students (Soumyadip Banerjee, Debasmita Ray, Debayan Pal	participated in ISM Dhanbad- Geo Confluence 2014 and stood 2 nd in Geo- Modelling and 1st in Photography	2014
DEPARTMENT OF MICROBIOLOGY		
Ananda Guha Majumder Subhodeep Das	19 th Dipta Memorial Symposium ; (Science quiz competition) Position: First Prize	2011
Soumya Sengupta Sohom Sanyal	20 th Dipta Memorial Symposium ; (Science quiz competition) Position : Second Prize	2012
Ananya Banerjee, Binita Goswami, Mohona Mukherjee, Sayan Charaborty	National seminars on Modern Trends in Microbiology Chapter IX: St. Xavier's College (Poster Presentation) 1 st Position	2012
Abhrajyoti Chakrabarti, Aripriya Roy	2 nd runner up	
Ananya Banerjee, Binita Goswami, Sujata Deb, Sazia Begum	National seminars on Modern Trends in Microbiology Chapter X: (Poster Presentation) 1 st position	2013
DEPARTMENT OF HISTORY		
Subhajit Chakrabarty	<ul style="list-style-type: none"> Audio CD "Basudha" released at Rabindra Sadan on Dakshinee's Convocation Performed at "Take a Break Live" on Tara Muzik 	
Arghya Kamal Chattopadhyay	<ul style="list-style-type: none"> Placed first in guitar playing at West Bengal State Youth Festival (State Level) Placed first in Bhajan in West Bengal State Music Academy (Department of Ministry of Information and Culture) Placed third in Kheyal in West Bengal State Music Academy (Department of Ministry of Information and Culture) Placed first in Modern Bengal Song in West Bengal State Music Academy (Department of Ministry of Information and Culture) Placed first in NazrulGeeti in West Bengal State Youth Festival Participated in the Musical Workshop organized by Shishu Kishore Academy Working in a Project regarding Tagore Songs named "Tagore Beyond Boundaries" started by University of Michigan (USA) along with Dr Rajeeb Chakraborty 	

ASUTOSH COLLEGE SSR 2015

Eyeleen Chatterjee (3 rd yr)	Kaleidoscope Fest of Lady Brabourne College- Third in Mehendi Competition
Dilasha chowdury (3 rd yr)	Won recognition at <i>Epar bangla opar bangla sammilani</i> singing show organised by the Bangladesh Deputy High Commission
Gangotri Gangopadhyay (2 nd yr)	Vodafone Fest, second in drama competition
Archita chakraborty and Pallabi Sengupta (2 nd yr)	<i>Sanskriti</i> : JU Fest, first in face painting
Eryca Nandi (2 nd yr)	Annual Inter College Fest, CU, third in non-gas cooking competition

5.3.3 How does the college seek and use data and feedback from its graduates and employees, to improve the performance and quality of the institutional provisions?

- The college seeks feedback from its students and alumni, on different aspects of teaching and infrastructure through questionnaires framed specifically for this purpose. Such feedback is reviewed annually and necessary steps taken.
- Infrastructural facilities are upgraded on the basis of the feedback from the students.
- In case of any improvement and rectification in the teaching and teaching process, the institutional head takes steps as and where necessary.
- The IQAC meticulously publishes AQARs which are kept ready in the Principal's chamber and are at the disposal of the Governing Body and any Government, UGC and Calcutta University Inspection teams on any visits that take place.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

- The College publishes the college magazine annually with the active involvement of the Students' Union and some of the departments prepare wall magazines periodically.
- The College website is updated regularly.
- *Asutosh Events* published regularly from 2010 onwards.
- A documentary on the College made by the Journalism and Mass Communication Department: Centenary Documentary (1916 - 2016) entitled *And the Journey Continues*

The college magazines published in the last five years are:

5.3.4A. LIST OF COLLEGE MAGAZINE PUBLISHED BY STUDENTS' UNION

Publication Year	Name of the Magazine
2010	Asutosh College Patrika
2011	<i>Jatrik</i>
2012	<i>Jatrik</i>
2013	<i>Corvus-Er-Korcha</i>
2014	<i>Canvas</i>

- Some of the departments publish Wall Magazine & Departmental Magazines regularly or at special occasions. Some of the recently published magazines include:

5.3.4B. LIST OF DEPARTMENTAL MAGAZINE PUBLISHED

Department	Name of the magazine
Environmental Sc.	<i>Mohona</i>
Psychology	<i>Anwasha</i>
Zoology	<i>Fauna</i>
Communicative English	<i>Communique (vol-4-2014)</i>
Chemistry	<i>Aspiration</i>
Microbiology	<i>Spectrum</i>
Botany	<i>Green line</i>
Journalism and Mass Communication	<i>Wall. Comm.</i>

- The students prepare posters when they participate in seminars and workshops under the guidance of teachers.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

- The college has a democratically elected Students' Union constituted according to University Rules and Regulations. Elections are held annually.
- The constitution of the Students' Union is as per the regulations of the 1st Statute of Calcutta University (1979).
- There is a constructive relation between the Union and the Administration. The general atmosphere of the college is conducive to academic and extracurricular activities.
- Critical inputs are well come from the Students' Union and the Union and administration co-operate to ensure discipline. The spirit of co-operation has ensured that no work days were lost in the last year because of student agitation.

- The different activities undertaken by the Students' Union are annual sports, Intra & Inter college cultural competition, publication of yearly magazine, Celebration of anniversaries of great men, Freshers' Welcome, Intra-college art competition, Celebration of Teachers' Day, Saraswati Puja, Picnic, Annual Function.
- The Students' Union organises different cultural and awareness programmes.
- Students' Union maintains harmony and promotes the academic environment in the college campus.
- Different events of the Students' Union are funded by fees collected from the students during admission and partly by the college if and when needed.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them

Students are part of all important administrative bodies as mentioned below

- **Governing Body:** The General Secretary of the Students' Union is a member of the highest administrative body, i.e. the Governing Body of the institution.
- **IQAC:** The highest body entrusted with the responsibility of ensuring quality Assessment and ICT based teaching-learning has a students' representative.
- **Academic Affairs Sub-Committee:** All academic matters including schedules of examinations, results, etc. which fall under the purview of this committee also includes a students' representative.
- **Admission Committee:** Admission rules, procedure of admission, publication of merit list are some of the issues which are discussed and resolved in this committee includes a students' representative.
- **Games & Sports Committee:** Oversees sports activities including football, cricket, and athletics and organises Annual sports meet, includes students' representatives.
- **Centenary Celebration Sub- Committee:** In the centenary year of the college many sub-committees have been formed where there are Students' Union representatives.
- **Hostel Sub- Committee:** Includes students' representatives.
- **Library Sub- Committee:** Includes students' representatives.
- **Cultural Sub- Committee:** Includes students' representatives.
- Apart from inclusion in various committees all students and members of the Students' Union cooperate wholeheartedly in the different activities of the college.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution?

- The college has an active registered Alumni Association .The Alumni Association holds Annual Alumni Meetings and extends support at various levels of academics and student support.
- Members of the Alumni are invited in Seminars, Annual functions, Annual Prize Day and other ceremonies.

ASUTOSH COLLEGE SSR 2015

- Contacts with Former Faculty of the institution are also kept through concerned Departments and administrative office.
- The Tea Club organises their annual get-together each year on 24th December.
- Many former alumni and faculty members have made generous donations for prizes, scholarships and have sponsored a few memorial lectures.
- Regular notification through the college website and through SMS.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 INSTITUTIONAL VISION AND LEADERSHIP

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

VISION OF THE COLLEGE:

- To impart not only formal education to all, irrespective of caste, creed, social & economic status, or physical health, but also to adopt a holistic approach to knowledge as a means of attaining wisdom and to encourage sense of responsibility in the student community.
- To remain faithful and dedicated to our traditional goal of teaching-learning.

MISSION OF THE COLLEGE:

Asutosh College has evolved over the years into a premier institute of learning with its mission of

- Realizing the Tagorean ideal of education as a means of freeing the mind from the shackles of ignorance and prejudice;
- Promoting a holistic approach to knowledge;
- Providing need-based and skill-based education making a step ahead with the demand of the modern times;
- Making education an inclusive activity by imparting it to all irrespective of barriers of gender, religion, socio-economic status, or physical health;
- Encouraging innovation keeping in view emerging global trends while at the same time nurturing mainstream heritage.

DISTINCTIVE CHARACTERISTICS OF THE INSTITUTION:

- The college strives to sustain and develop a society which is national in outlook, mindful of India's diversity of culture and faith, and connected in terms of intellectual emancipation.
- The distinctive characteristics of the institute in terms of the above mentioned criteria are discussed in brief:

A. ADDRESSING THE NEEDS OF THE SOCIETY:

- It is estimated that in the Xth plan period only 8-9% percent of our youth in the age group of 18-24 years get the opportunity of higher education, whereas in any developing country 20% of their youth in the same age group, and in the developed countries above 50% youth in the same age group, get this opportunity. There is a positive correlation between the percentage of population

engaged in higher education and economic development, as education is linked with employment which in turn leads to economic development.

The National education policy targets to increase the Gross Enrolment Ratio (GER) to 30% during the XIIth Plan period without sacrificing quality. To meet this societal demand, the college has been gradually increasing the intake of students which has risen at the UG level from 2384 in 2012-13 to 2639 in 2015-16, an increase of 10.69% (Calculation based on admission in 1st year UG courses). To accommodate this increase the college has improvised on its infrastructure, number of faculty, establishment of new campus, etc;

- The college offers training for WBCS, SSC, NET, SET for students, so that their formal education and degrees acquired come to the service of the society;
- The college offers Add-on Courses which increases employment options for students;
- The present society needs students with specialized training for specific career-oriented jobs, rather than educated people with degree but no hands-on training. To meet this need the college has initiated UG- approved B.Voc. and Community College programmes where the syllabus including that of the practicals are modulated according to socio-economic needs;
- A need for guidance and support for students between the age group of 18-24 is essential in this age of competition and consumerism. The college has a very active Career-Counselling Unit in the college to address this need. A Psychotherapy unit is also in place to offer them counselling in times of mental crises.

B. ADDRESSING THE NEEDS OF THE STUDENTS:

Asutosh College is home to students, many of them from different districts of the state, other states and even neighbouring countries.

To address the needs of the students, we have focussed on the following aspects:-

- Qualified faculty members along with quality support staff to ensure quality education;
- Technology-enabled teaching-learning when and where possible;
- Campus-wise access to knowledge and information resources through Wi-Fi;
- Modern facilities in terms of provision of equipment, instruments, reagents, chemicals;
- Fully computerised library with sufficient stock of books, national and international journals with the facility of e- journals from INFLIBNET N-list;
- Introduction of new courses at both the UG and PG levels;
- Introduction of B.Voc. and Community College schemes;
- Student support system including Placement Cell, Career Counselling and Psychotherapy Units.
- NSS and NCC Units;
- Training for Computer and other professional courses.

C. TRADITIONS AND VALUE ORIENTATION OF STUDENTS:

- Asutosh College, despite its essentially urban location in the heart of South Kolkata, caters to the needs of students from all over the state, neighbouring states and even neighbouring countries, and is equally accessible to the elite, middle class and the students belonging to the economically underprivileged sections of society.
- The college strives to instill in its students moral values, discipline and dynamism along with imparting quality education. The College shows ZERO tolerance towards ragging and has a very vigilant ANTI-SEXUAL HARASSMENT CELL to monitor and regulate any deviation from the values and tradition of the college.

VISIONS FOR THE FUTURE:

The college has always kept pace with the ever-changing scene of education in the country. The college is currently in the process of completing a hundred years of existence, having celebrated its Silver Jubilee in 1941, Golden Jubilee in 1966, and Platinum Jubilee in 1991. Each celebration has been marked by programmes undertaken for further development of the institution.

Following are some of the steps initiated by the college to implement its vision for the future:

INFRASTRUCTURAL EXPANSION:

- Purchase of land and initiation of construction of the ASUTOSH COLLEGE SECOND CAMPUS at BHASA: A green campus encompassing 11 acres, which will house
 - (a) School of Physical Sciences,
 - (b) School of Life Sciences,
 - (c) School of Earth Sciences,
 - (d) School of Mathematics and Statistics,
 - (e) School of Computer Science,
 - (f) School of Languages and Literature,
 - (g) School of Humanities and Social Science,
 - (h) School of Journalism, Film Studies, Mass Communication and Videography,
 - (i) School of Library and Information Science,
 - (j) School of Management,
 - (k) School of Rural Sciences,
 - (l) School of Technology,
 - (m) School of Vocational Training,
 - (n) School of Distance Learning Programmes,
 - (o) Future Schools (Community College, School of Cognitive Science, School of Sustainability Science, School of Behavioural Studies).
- A Boys' and a Girls' hostel, both 3-storeyed buildings, have already been constructed and operational.

- The College tent in the Maidan has been renovated and new sports gears procured for upgrading games and sports infrastructure. The College gymnasium has been thoroughly re-modeled with new equipment.
- Construction of the ASUTOSH COLLEGE CENTENARY BUILDING: A 6-storeyed (including the basement floor) building with all modern facilities, including smart classroom, ICT-enabled seminar hall, modern state of art laboratories and classrooms and a modern library.
- Completion of the HUMANITIES BLOCK to house the ARTS DEPARTMENTS.

ACADEMIC EXPANSION:

- Introduction of PG courses in 6 subjects including Computer Science and Applied Geology.
- Introduction of UGC-approved B.Voc Course.
- Introduction of UGC-approved Community College scheme.
- Introduction of UGC-approved Add-on courses.
- Post-Graduate study centre under Distance mode of Vidyasagar University, offering M.Sc. in Environmental Science and M.A. in English, History, Political Science and M.Com.
- Use of ICT in the teaching-learning process.
- Digitization of Library Database

ADMINISTRATIVE EXPANSION:

- Development of indigenous software for online admission which ensures complete transparency and complete automation of the admission process.
- Establishment of a separate IT section for administrative purposes.
- Automation of the College Library by the Information Technology Cell of Asutosh College.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Our college, as a Govt.-aided institution affiliated to the University of Calcutta, runs in accordance with the rules of the 1st statute of the University of Calcutta, approved by West Bengal State Legislation Act, 1979.

ROLE OF TOP MANAGEMENT:

The top management in a Govt.-aided College structure comprises the Governing Body which is constituted of the President, an elected person interested in education, the Principal as *ex officio* Secretary, two University Nominees, two Govt. Nominees, four elected members from the Teaching constituency, two elected members from the Non-teaching constituency, one elected member from the Student constituency and one representative of the local self-Government.

The **Governing Body** as the apex administrative body is responsible for ensuring the following:

- To review the academic progress, including results of the college in the university examinations and to suggest measures for academic improvement, and level of discipline in order to maintain the academic repute of the institute;
- To look after the number and qualifications and the method of recruiting the teachers and the conditions of their service in accordance with the provisions of the rules;
- That posts are created and appointments are made of the Principal and teachers and other staff for the efficient and effective operation of the college and maintaining good teacher-student ratio.
- That the laboratories, library and other infrastructural facilities available are adequately equipped and maintained for smooth and time-bound implementation of the curriculum;
- That the building in which the college is located is suitable for the purposes for which they are intended and are maintained at a satisfactory state of repair and sanitation;
- That the financial resources of the college are sufficient to ensure the efficient and effective operation of the college through timely and proper financial planning, preparation of budget, and auditing and through utilization of funds donated by stakeholders including funds from MLA and MP-LAD schemes;
- That all information, returns, reports, accounts and other materials required by the State Govt., UGC or the University are regularly maintained and updated and the directions issued complied with and reported on time;
- That meetings are carried out at regular intervals with the IQAC, Principal, Heads of departments and the faculties, Students' Union and other stakeholders;
- That the Head of the Institution frequently convenes meetings of the Governing Body and other Standing Committees/Subcommittees such as Finance Committee, Academic Affairs Sub-Committee, Admission Committee, Building Sub-Committee, Library Sub-Committee, Students' Union, Grievance Redressal Sub-Committee, etc. and the proposals and resolutions are communicated to the Governing Body by the Head of the institution to be implemented with the approval of the same;
- To ensure smooth functioning and sharing of common resources with the other two colleges which share the premises of the Main Building;
- To ensure proper and timely redress of grievances of the students.

ROLE OF THE PRINCIPAL:

The Principal on behalf of the GB of the College monitors and spearheads the day-to-day activities of the college.

As Head of the Institution **the Principal**, in accordance with the Calcutta University Statute Article 103(5), performs the following:

- Monitors the day-to-day academic activities of the college and ensures maintenance of discipline and the academic ambience in the campus so that the academic, vocational and developmental needs of all the students are taken care of;

- Communicates to the Teaching and Non-teaching staff and students the notifications, circulars and office orders of the State Government, UGC and other Official and Academic authorities through circulars and notices, and through meetings;
- Ensures the smooth management of academics and administration based on participation and transparency through collaborative, co-operative and consultative methods;
- Ensures the quality of learning by regular and random interaction with students, class representatives, members of the Students' Union, parents and meetings with the Heads of the Departments and evaluates performance of students in the university examinations results after the publication of the same;
- Arranges relevant, timely training for faculty and staff through participation in Orientation and Refresher courses to enable them to provide quality education and ensures participation of teachers in Faculty Improvement Programmes for Career Advancement;
- Chairs committees of the different academic and administrative bodies associated with purchase (Finance Committee and Purchase Committee), rules, regulations and smooth process of admission (Admission Committee), academic progress (Academic Affairs Committee), internal quality assessment (IQAC), library (Library Committee), Student activity, etc.;
- Functions as the Drawing and Disbursing authority as per guidelines of the Govt. of West Bengal for effective budgeting, resource mobilization and utilization of resources and keeps contact with the DPI, Govt. of West Bengal, UGC, College Service Commission and other funding and state agencies;
- Plans and executes the plans and programmes for infrastructural growth of the institution and promotes research and a research environment in the institution;
- Ensures and encourages use of ICT facilities, and modern teaching aids in the teaching-learning process.
- Promotes welfare schemes for all relevant stakeholders (provision of scholarship from different sources, provision of Cheap Book Store, canteen facility to students & staff, Provident Fund, Festival Advance facility, Staff Co-operative Credit Society, tea club, etc.)
- Ensures timely and prompt promotion of faculty under Career Advancement Scheme (CAS), and timely release of papers for pension and Provident Fund of faculty and staff;
- Evolving mechanism for redressal of grievances of teaching, non-teaching staff and students.
- Ensures maximum utilization of the infrastructure and human resources of the institution.

ROLE OF FACULTY:

The **faculty members** of the college under the able and enthusiastic leadership of the Principal execute the policy and plans of the Institution.

The role of the faculty is discussed below:

- Regular teaching in classes as per central routine for timely completion of syllabus with use of ICT in classrooms and laboratories wherever possible;
- Monitoring students' academic progress and giving necessary academic and mental support, counselling and even psychotherapy for personal problems at the right time, thus acting as guides and mentors to the students;

- Organizing and participating in seminars, conferences, symposiums, workshops, departmentally and centrally in order to provide a scope for knowledge-sharing regarding the latest developments in different subjects;
- Pursuing Refresher and Orientation courses, M.Phil. and Ph.D. programmes, and Post-doctoral studies for the purpose of self-development in the concerned branch of studies and extending such knowledge in the field of work;
- Carrying out research projects sponsored by external agencies and guiding UG and PG students in project and research work;
- Participating in the meetings of the Governing Body and other Standing Sub-committees such as Finance Sub-Committee, Academic Affairs Sub-Committee, Admission Sub-Committee, Building Sub-Committee, Library Sub-Committee, Purchase Sub-Committee, etc. for framing of the policy decisions as well as support in the execution of the work;



Teachers' Council meeting in progress

- Attending college and university level workshops with a view to enlighten themselves and suggesting changes and modification in the U.G and P.G syllabuses;
- Acting as Paper-setters, Moderators, Head examiners, Examiners in college and university- level examinations to ensure the proper and timely completion of the examination procedure.
- Regularly evaluating students through class-tests and calling for feedback from the students on the teaching practices.
- Being involved in co-curricular and extra-curricular activities of the students.
- Engaging in consultancy and extension-related activities.
- Counselling and advising students regarding academic and employment opportunities.
- Teachers are always ready to serve the students as friend, philosopher and guide.

6.1.3 What is the involvement of the leadership in ensuring:

- the policy statements and action plans for fulfillment of the stated mission

- formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- interaction with stakeholders
- proper support for policy and planning through need analysis, research inputs and consultations with stakeholders
- reinforcing the culture of excellence
- champion organizational change.

A. THE POLICY STATEMENTS AND ACTION PLANS FOR FULFILLMENT OF THE STATED MISSION

The involvement of the leadership in ensuring the policy statement and action plans for fulfillment of the mission of the College are as follows:

- The Governing Body of the college and the Principal play leading roles in ensuring the implementation of policy statements and action plans for the smooth functioning of the college;
- The Principal involves himself in every policy decision by presiding over each and every meeting and giving valued opinions and suggestions, while inputs from IQAC, Teachers' Council and other committees are taken and policy matters are discussed openly in meetings and decisions regarding policy matters are taken democratically and communicated to all concerned;
- Implementations of stated policies/ resolutions are expedited through various IQAC and Teachers' Council-supported committees which meet regularly and report to the Principal who is the chief coordinating authority.

B. FORMULATION OF ACTION PLANS FOR ALL ACTIVITIES OF THE INSTITUTION AND INCORPORATION OF THE SAME INTO THE INSTITUTIONAL STRATEGIC PLAN

- Once the policies are formulated by the Governing Body and the Principal in discussion with all relevant stakeholders, executive committees are constituted under the leadership of the Principal;
- The Heads of the Departments and the Principal are empowered to take decision regarding academic calendar and other academic progress work which is the core part of the mission of the college;
- Non-teaching staff members along with respective coordinators are mainly responsible for the administration and in planning and implementing matters relating to accounts, examinations, and documentation.

C. INTERACTION WITH STAKEHOLDERS

Interaction with stakeholders is maintained through regular meetings throughout the year:

- The Governing Body of the college meets several times a year;

- The Teachers' Council and the Non-Teaching Council meetings are convened more than six times a year for discussion on academic and policy matters;
- Teacher-Student meetings and meetings with Class representatives are held regularly;
- Parent-teacher meetings are held at departmental levels and the Principal meets the Parents as and when needed.
- Feedback from parents, students and alumni members are noted and necessary actions taken.



Students' Union Room

D. PROPER SUPPORT FOR POLICY AND PLANNING THROUGH NEED ANALYSIS, RESEARCH INPUTS AND CONSULTATIONS WITH STAKEHOLDERS

Meetings are held from time to time with all the stakeholders to discuss the requirements of the different departments and suitable planning is done accordingly:

- For example, UGC-approved B.Voc. and Community College Schemes along with Add-on courses have been launched for skill-oriented training of students as is felt to be the need of the society today;
- Demand for distance mode of education for students who are unable to avail education under traditional system led to the introduction of M.A., M.Sc. and M.Com courses through Distance mode of Vidyasagar University;
- Need for a state-of -art Biotechnology laboratory resulted in a DBT-sponsored BOOST laboratory;
- The College has applied to for DST-FIST grant for infrastructural development of the Post-Graduate departments.

E. REINFORCING THE CULTURE OF EXCELLENCE

The vision of excellence envisioned by Sir Asutosh Mookerjee has been carried forward by succeeding college authorities that has elevated the college to the status of a reputed educational institution. Presently in its 100th year the college has reinforced its culture of excellence through numerous policies that include:

- Offering the largest number of Honours subjects and subject combinations not only among colleges under Calcutta University but among all colleges in the state;
- Expansion of its campus from one Main Building to two main campuses along with ancillary units (5) without succumbing to the problem of space crunch;
- Introduction of Career-oriented courses under UGC-approved B.Voc and Community College Schemes and Add-on courses;
- Offering PG courses in 8 subjects in regular mode and 4 subjects in Distance Mode;
- Celebrating the 150th Birth Anniversaries of Acharya Jagadish Chandra Bose (2008), Acharya Prafulla Chandra Roy (2011), Rabindranath Tagore (2011), Swami Vivekananda(2012), and Sir AsutoshMookerjee (2013), to inspire students and staff towards greater achievement;
- Regularly interacting with former professors to learn from their experiences.

F. CHAMPIONING ORGANIZATIONAL CHANGE

The college authorities are ever-vigilant in observing the changes in the global academic scene, and updating the programmes and facilities accordingly.

The introduction of Career-oriented courses under UGC-approved B.Voc and Community College Schemes, introduction of UGC-approved Add-on courses, introduction of PG courses in six (6) subjects in regular mode and 4 subjects in Distance Mode, modernizing teaching-learning and admission processes through use of computer and internet facilities, Wi-Fi Campus, ICT-enabled class room teaching, remedial coaching, Computer training, training for NET, SET, SSC, WBCS , expansion of campus in the form of the Centenary Building and Humanities Block, are some examples of excellence in organizational changes brought about by the policy-making of the Institution.

The college has submitted the Data Capture Format II of Asutosh College to AISHE in the years 2012, 2013 and 2014.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

It is worth mentioning that ours was the first college in West Bengal which had applied for and received NAAC accreditation in the year 2002.

There is a continuous system of monitoring progress through regular communication and consultation between the Principal, the TCS (Secretary, Teachers' Council), Coordinator, IQAC, Conveners of UGC Committees and all the Heads as also senior and experienced teachers of the college. Participating in the

meetings of the Governing Body and other Standing Sub-committees such as Finance Sub-Committee, Academic Affairs Sub-Committee, Admission Sub-Committee, Building Sub-Committee, Library Sub-Committee, Purchase Sub-Committee, etc. for framing of the policy decisions as well as support in the execution of the work;

Following are the highlights:

- For monitoring and evaluation of different policies and plans taken up by the institution some evaluative procedures are followed in all departments which are finally assessed by the Academic Council, IQAC, Teachers' Council, and the Principal;
- Annual work plans are made at the beginning of each session;
- Detailed records of teachers' performances on a daily basis are maintained;
- Departmental meetings are conducted at regular intervals to monitor academic progress;
- In case of failure to reach the target, suggestions are given by the H.O.D or other staff members of the department;
- The IQAC coordinator attends NAAC related workshops/seminars at state and national levels to remain updated on a regular basis;
- The progress of students' learning is monitored by the existing evaluation system of the college and ultimately through University examination performances;
- The Librarians and the Head Clerk are always in touch regarding policies concerning their jurisdiction.

6.1.5 Give details of the academic leadership provided to the faculty by the top management.

- The responsibility of academic leadership has been entrusted on the Heads of the respective departments while other posts – statutory or non-statutory – which facilitate the effective implementation of institutional policies are held by senior and experienced faculty members, the list including
 - Prof. Ena Chatterjee as the Professor-in-Charge of Academic Affairs;
 - Prof Apurba Ray as the Professor-in-Charge of Financial Affairs.
 - Dr.Sajal Bhattacharya as the Co-ordinator of Postgraduate studies;
 - Prof. Debika Halder as the elected secretary of the Teachers' Council;
 - The Chairperson(6) and Convenor(6) of the respective Postgraduate Expert Committees in charge of the academic affairs of each Postgraduate department;
 - Dr. Tathagata Ray Chaudhuri and Prof. Ena Chatterjee as the Joint Convenors of the IQAC;
 - Dr Chandranath Mukherjee is the Prof.-in-charge of Student Affairs;
 - The respective Profs-in-charge to look after the NSS, NCC and sports affairs;
 - Prof Raikamal Dasgupta is the Prof.-in-charge of Cultural Affairs;
 - The campus-Professors-in-charge to look after the activities on the different campuses;
 - All the teachers are involved in at least one component/ extension activity of the college apart from teaching.

- The publication of the Academic Calendar for the different departments of the college is coordinated by the Principal in consultation with the respective Heads of departments and the Teachers' Council Secretary;
- Teachers who have not yet completed their Ph.D. are encouraged to complete the same;
- Teachers are advised to enjoy the UGC-sponsored Faculty Development Programme(FDP) for the completion of their dissertations within a specified time;
- Apart from the above, they are further requested to participate in seminars and other related programmes;
- The management tries to provide the infrastructure and other facilities needed to cope with the technological revolution in classroom teaching;

6.1.6 How does the college groom leadership at various levels?

- In the temporary absence of the Principal, the senior most teacher assumes charge, with the Bursar providing additional support;
- The post of the Head of Department (non – statutory, but conventional) is rotational giving all members of faculty (substantive) the opportunity to lead the department;
- The various committees – academic and extension activity-related – are headed by senior / experienced faculty with junior faculty members providing necessary support;
- The chairpersons of the Postgraduate departments are also given comparative autonomy in managing the affairs, including financial, of the Postgraduate sections.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

- The Principal is at the apex of the institution but the day-to- day running of the various departments is monitored by the respective Heads of the departments who convene departmental meetings to discuss matters relating to the routine, syllabus distribution, paper-setting and evaluation, departmental activities involving students, purchase of equipment, books etc., and arrange for substitution if a teacher is on leave.
- In case of the autonomous Postgraduate courses run by the college, each PG Department operates under the decisions taken at the PG Expert Committee consisting of the Principal's Nominee, V.C.'s Nominee, subject experts and full time members of Faculty of the concerned department with Chairperson and Convenor.
- Coordinators of the Postgraduate departments, Community College, Vocational stream, Add – on courses are given operational autonomy.
- All co- and extra-curricular and extension activities are coordinated/supervised by Professors-in-charge of the different units like the NSS, NCC, Cultural affairs, etc.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

- Asutosh College offers multidisciplinary courses starting from the Graduation level in both General and Honours programmes to the Postgraduate level for higher education, as well as different add – on courses and vocational courses. For smooth conduct of all these academic programmes, the cooperation and involvement of all members of staff are essential;
- All the teachers participate in framing the academic as well as non-academic schedules in their respective departments;
- The Bursar takes care of the financial activities of the college;
- The Internal Governing Body members monitor the academic and administrative activities in consultation with the principal;
- The Heads of the Departments monitor the academic and administrative activities of the departments;
- The Chairpersons and Convenors of the Postgraduate departments coordinate the academic activities of PG departments;
- The Teachers' Council meetings are conducted periodically to discuss any strategy development in the management. The Academic Council, IQAC and TCS ultimately implement the necessary modifications after consultation with the Principal;
- For different courses like Add-on courses or vocational courses, coordinators prepare their year-wise plans and schedules for classes and special lectures;
- The non-teaching council monitors the activities and welfare of the nonteaching staff; The non-teaching staff provide the necessary support for the smooth running of all these developmental activities;
- Student representatives bring to light the problems faced by them and give their suggestions which are taken into consideration during the planning of college strategies.

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Asutosh College has always had a definitely stated policy for providing quality education to all and to reach the goal of excellence.

In order to reach this goal several factors are taken into consideration such as

- Curricular aspects
- Teaching, learning and evaluation
- Research, consultancy and extension
- Infrastructure and learning resources
- Student support and progression
- Optimum utilization of resources

In all these fields, the Principal with his IQAC cell considers the inputs from the students (through student representatives), guardians (through parent – teacher interaction), the Departments (through the outcome of departmental meetings) and the changed University policies from time to time.

The Governing Body, the Principal, the IQAC, several committees constituted by the Governing Body and all members of staff work together and offer their suggestions and insight for the designing and implementation of quality-related policies.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The college has already undertaken various plans for development. However, there are still further plans on the anvil, keeping in view the above-mentioned areas:

Curricular Aspects:

- Review of the curriculum of the PG courses at regular intervals;
- Development of the curricula in the vocational streams and skill development courses in keeping with changing to societal needs;
- Opening more Postgraduate courses to provide access to higher education to a greater number of students.

Teaching, Learning and Evaluation:

- Implement technology-enabled teaching, learning and evaluation.
- Establish more smart classrooms;
- Develop the departmental libraries as well as the Central library even further;
- Promote research activities among members of the faculty as well as the students;
- Modify the evaluation system, if so required;

Infrastructure and Learning Resources:

- ICT-enabled campus
- Create more laboratory space;
- Provide more computer/ internet facilities to all departments;
- Arrange for more Faculty Development Programmes.

Research, Consultancy and Extension:

- Submit more research projects to funding authorities;
- Develop state-of-the art research laboratories;
- Reach out to industry for collaboration and consultancy;
- Community outreach;
- Patent development.

Student Support and Progression:

- Introduction of job-oriented courses and training programmes;
- Provide tutorial and remedial classes for slow and weak learners;
- Provide special support for SC/ST/OBC/Minority/financially backward students;
- Provide Free and partially free studentship for needy students;
- Upgrade library facilities, Wi-fi and computer facility for e-learning;
- Hostel facilities;

- Proper facilities for sports and games;
- Scope of participation in cultural activities.

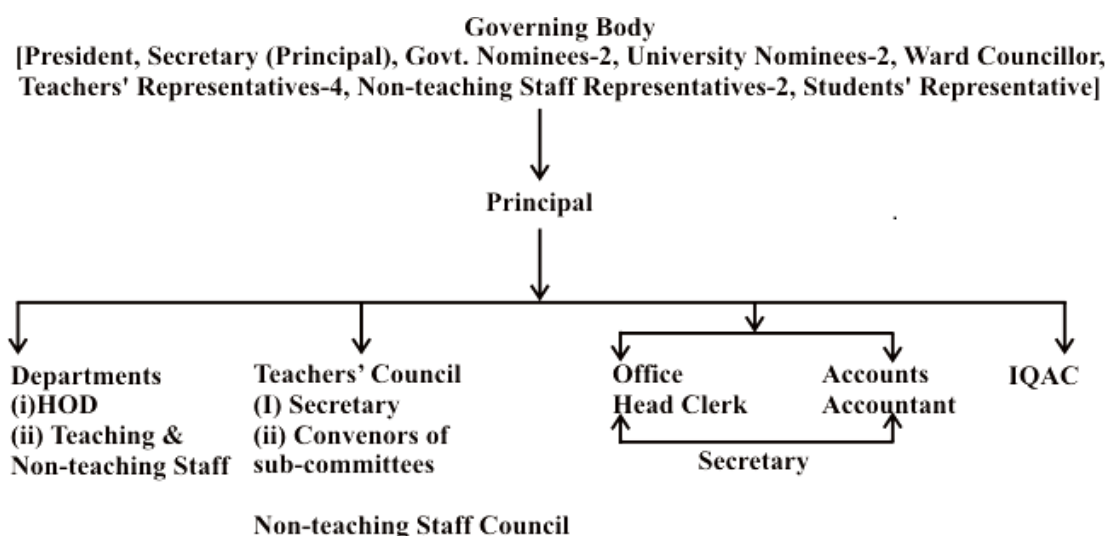
Optimum Utilisation of Resources:

- Plan for cluster of departments for better utilization of resources under one umbrella, e.g., the school of Life Sciences will have the Depts. of Botany, Zoology, Microbiology, Biochemistry and Environmental Science, fostering a multi-disciplinary approach;
- Introduction of Postgraduate courses under both regular and Distance mode;
- As the college has opened some new courses like Add-on courses and vocational courses, it is expected that more proposals for development of those will come whereby the maximum utilization of available resources will be made.

6.2.3 Describe the internal organizational structure and decision making processes.

The internal organizational structure and decision making processes can be depicted in the following chart :

Several committees (statutory and non-statutory) are also formed for planning and decision-making processes:



- Governing Body
- Teachers' Council
- Non-Teaching Staff Council
- Students' Union
- Finance Committee
- Academic Affairs Committee
- Building Committee
- Hostel Committee
- Purchase Committee

- IQAC
- Library Advisory Committee
- Provident Fund Committee
- Prize-Award-Endowment Committee
- Excursion Committee
- Routine Committee
- IT Committee
- Admission Committee
- Cultural Committee
- Grievance Redressal Committee
- Disciplinary Committee
- Anti-Sexual Harassment Committee
- Sports Committee
- Students' Union Election Committee
- NAAC Committee
- Students' Welfare Committee
- Cooperative Society
- Second campus Committee

The internal organizational structure of Asutosh College has highly developed efficient internal coordinating and monitoring mechanisms.

A cohesive unit of teaching staff, non-teaching staff, library staff and different subcommittees along with the Principal play significant roles in monitoring progress and carrying out the decision-making and implementation processes. Wherever required, the information, expertise and advice from external agencies are sought by them. Some proposals are forwarded to the Governing Body for final approval. After the approval of the G.B. the Principal executes the decisions which are implemented thereafter.

6.2.4. Give a broad description of the quality improvement strategies of the institution for each of the following

- Teaching and learning
- Research & Development
- Community engagement
- Human resource management
- Industry interaction

1. TEACHING & LEARNING

TABLE 6.2.4A. QUALITY IMPROVEMENT STRATEGIES FOR TEACHING AND LEARNING

CRITERIA	STRATEGIES
TEACHING AIDS	Blackboard, chalk and duster Smart Board Overhead Projector

	LCD Projector Charts and maps Computer with Internet Facility Computer Lab (Statistics, Computer Science, Geography) Structural Model for illustrating the three dimensional molecular structure of organic compounds (Chemistry Department) Audio –visual aids, e.g. DVDs and CDs.
ASSESSMENT	UG: Class test, Monthly test, Midterm test, Selection test. PG: Semester Examination, Project Presentation Lecture, Viva and Grand Viva, Dissertation and Thesis Evaluation.
REMEDIAL CLASS	Remedial Classes for Minority/SC/ST/Weak students
TUTORIAL CLASS	Tutorial Classes for Advanced Learners
SEMINAR & WORKSHOPS	Departmental Seminars sponsored by the institution, DBT, UCG and other funding agents.
FIELD WORK	Field work as per curriculum, and in some departments like History, excursions are arranged though not a mandatory part of the syllabus.
TRAINING PROGRAMME	Interested students can avail computer training and job oriented training.

2. RESEARCH & DEVELOPMENT

- Encouraging and assisting the faculty members for submitting proposals for research and carrying out research activities;
- Providing necessary infrastructural facilities for research work;
- Timely release of funds and timely support for necessary audit and submission of reports to the relevant authorities;
- Encouraging paper presentations by the faculty members in different international and national conferences and sanctioning leave for the same;
- Encouraging organizing of seminars and workshops on different subjects related to popular interest as well as frontier areas of research by the different departments of the college to attract eminent scholars to visit the college and interact with teachers and students;
- Facilitating procedures for availing FDP leave/ leave for participation in Orientation and Refresher courses.

3. COMMUNITY ENGAGEMENT

- **NSS activity:** Students participate in NSS activities that include organizing Blood Donation camps, health awareness camps in slums and villages as part of its outreach programme;
- **NCC activity:** Cadets of the NCC unit participate in activities like training camps organized by the affiliating Army unit, organizing Independence Day celebrations, and marches for national unity;
- **Students' Union:** Organizes blood donation camps, cultural programmes, social awareness campaigns;

- **Eco Club:** Organizes environmental awareness programmes;
- **Solar Energy Conservation** - In the process with support from the West Bengal Renewable Energy Development Agency (WBREDA).
- The college is actively engaged in providing assistance for holding different entrance/competitive examinations like UPSC, NET, SET, TET, SSC, and Primary Teachers' appointment.

4. HUMAN RESOURCE MANAGEMENT

A. TEACHERS:

The basic pattern of recruitment of teaching staff is in accordance with the rules of the Government of West Bengal.

For recruitment of teachers in all the substantive teaching posts including the post of the Principal the appointing authority is the Governing Body of the college while the recommending authority is the West Bengal College Service Commission (WBCSC) constituted by West Bengal State Legislation Act, 1978.

To improve the Teacher-Students ratio and to impart quality education, the college Governing Body has created Contractual Whole Time Teacher posts and Part Time Teacher Posts in different subjects. Till date the number of such posts created and filled up is 52 for CWTT and 13 for PTT. Their salaries are drawn from the College Fund in addition to State govt. aid. The administration, in spite of its financial constraints, ensures that the CWTT faculty get a respectable salary and provide necessary increments as and when possible.

Presently, 19 CWTT staff and 6 PTT staff are drawing their salary from the Government as Government-approved CWTT.

Some of the faculty members have been given different administrative posts and most are members of different committees and contribute to the all-round development of the college without compromising with their daily teaching assignments.

However, it must be admitted that in spite of all our best efforts, the teacher-student ratio in some departments is not satisfactory. There is also a limitation with respect to the financial capability of the college itself. However, the State Govt. has taken some positive steps including conversion of posts, creation of new posts and providing salaries to the CWTT and PTTs. We believe that we will be able to overcome this problem in future.

B. NON-TEACHING MEMBERS:

The basic pattern of recruitment of non-Teaching staff is according to the rules of the Government of West Bengal, and government-sanctioned non-teaching posts are filled up as per existing govt. rules.

Due to delay in sanctioning of non-teaching posts by the Govt. for a long period of time, the college has been forced to create whole time non-teaching posts on contractual basis for smooth running of the college and for providing quality support services to the students. Till now about 75 NTS and technical staff have been appointed by the college on contractual basis.

5. INDUSTRY INTERACTION

Interaction and involvement with industry is a necessity in today's world since academics cannot remain isolated from practical application in the workaday world. Such involvement lies in the field of curriculum designing including syllabus framing, conducting workshops and providing placement opportunities.

A. INDUSTRY VISIT

Many departments arrange industry visits to give first-hand experience to students and also provide them with ideas regarding future job prospects:

TABLE 6.2.4 B. INDUSTRY VISIT BY DEPARTMENTS

DEPARTMENT	INDUSTRY/ RESEARCH INSTITUTE VISIT
BOTANY	TEMI TEA ESTATE DUNCAN TEA ESTATE BOSE INSTITUTE FARM HOUSE BOTANICAL SURVEY OF INDIA,KOLKATA & GANGTOK
MICROBIOLOGY	MOTHER DAIRY IFB AGRO INDUSTRIES NITROFIX
INDUSTRIAL FISH AND FISHERIES	MARINE CAPTURE FISHERY , DIGHA KVK,NIMPITH NATIONAL INSTITUTE OF FISHERIES POST HARVEST TECHNOLOGY AND TRAINING, COCHIN& VIZAG
GEOLOGY	TATA IRON &STEEL CO. STEEL AUTHORITY OF INDIA GEOLOGICAL SURVEY OF INDIA
B.VOC.	APEX BODY : MCC MAPLE TECHNOLOGIES SUPERTRON INFOTECH PVT. LTD.
COMMUNITY COLLEGE	APEX BODY : MCC SAMSUNG INDIA PVT.LTD. GEE-PEE MOBILE PVT.LTD. MAPLE TECHNOLOGIES SUPERTRON INFOTECH PVT. LTD.
ENVIRONMENTAL SCIENCE	MOTHER DAIRY BANTALA LEATHER COMPLEX ASG BIOCHEM PVT. LTD. HINDUSTAN UNILEVER LTD.
B.B.A.	DEY'S MEDICAL TIDE WATER HINDUSTAN PAPER CORPORATION LTD NATIONAL INSURANCE COMPANY LTD POWER GRID CORPORATION OF INDIA LTD AMBUJA CEMENT LTD COAL INDIA LIMITED CESC LIMITED

	BANK OF BORADA ICICI BANK SBI UCO BANK HONDA BENGAL HARLEY DEVIDSON TIME BUSINESS SOLOUTIONS ESAB INDOFIL LTD ADITYA BIRLA JAYASHREE TEXTILE BARGER PAINTS PIZZA HUT COCA-COLA DIAMOND BEVERAGE LTD PRIYA FOOD LTD AIRPORT AUTHORITY OF INDIA INDIAN OIL CORPORATION LTD BM BIRLA HEART RESEARCH LTD CALCUTTA MEDICAL RESEARCH INSTITUTE ZINDAL LTD VISA POWER LTD SUZUKI STAR-BRUST MOTOR PVT. LTD BISK FIRM TAZZA TV ASIAN PAINT VODAPHONE AIRTEL INFINITY INFOTECH PARKS LTD EAST INDIA PHARMACEUTICAL WORKS LTD ROYAL ENFIELD AUSTRIAN LTD PRINTOFIX, VIP LUGGAGE ITC SONAR BANGLA
--	--

B. CAMPUSSING BY INDUSTRY

The Placement Cell regularly arranges campus visits by industries for recruitment of students.

Companies that have visited the campus are enlisted below:

TABLE 6.2.4C. LIST OF COMPANIES THAT VISITED AND RECRUITED STUDENTS THROUGH PLACEMENT CELL

YEAR	COMPANIES VISITED AND RECRUITED
2013	NSHM College of Management & Technology for WIPRO Pool Campus
2014	Accenture
	Wipro BPO
	Fusion BPO Services group
	Gruppent Technologie Private limited
	TAG – Sourcing, Infospace Kolkata, Unitech HiTech Structure Ltd
	VAP Technology Pvt. Ltd.
	PNB METLIFE
	Talent Acquisition Group, Tata Consultancy Services
	Mendine

2015	ICICI Prudential Life Insurance Co. Ltd.
	Abbott Nutrition
	AVP-Corporate Solutions
	DELSAT INFOTECH (Twice)
	ICICI Prudential Life Insurance Co. Ltd.
	TCS-BPS

C. INVOLVEMENT OF INDUSTRY HOUSE/INDUSTRY GUILD IN CURRICULUM DESIGN

The syllabi of the skills development courses under the B.Voc. and Community College schemes are developed in consultation with industry houses of the respective fields and also with the Merchants' Chamber of Commerce and Industry. Experts from these industry houses also send experts who take part in the teaching and evaluation processes of the said courses. Experts from the industry are also regularly involved in teaching and evaluation processes in BBA (Hons.) and Safety Engineering (Advanced Diploma) courses run by the ACTC.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- Students are given feedback forms to fill up which they submit to their respective HOD;
- There is a Grievance Redressal Cell to address grievances of the students;
- Students, faculty, non-teaching staff have free access to the Principal's office and may approach the Principal directly on any matter regarding the institutions or its activity;
- The Teachers' Council, Non-teaching Staff council and the Students' Union also keep the administration informed regarding day-to-day activities;
- Information is also disseminated through the college website and email and social networking sites like Facebook.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- The academic staff and non-teaching staff are integral parts of any educational institution and an atmosphere of mutual trust and cooperation helps to promote the all-around development of the same. Although it is the Governing Body which frames policies and directs the Principal to implement the same, the views / suggestions / advice of the Teachers' Council is always taken into account.
- The secretary of the Teachers' Council convenes meetings to discuss academic and other important issues at regular intervals and it is mandatory for all members to attend the same.
- The meeting of the different committees responsible for co-curricular, and extension activities are held regularly at all levels, after consultation with the Principal and Teachers' Council Secretary, not only to frame policies but also to implement them and monitor feedback on the outcome of the implementations.
- The Non-teaching Staff Council also meets at regular intervals.

- Regular meetings of the elected post-holders of the Students Union are also held.

6.2.7 Enumerate the resolutions made by the management Council in the last year and the status of implementation of such resolutions.

The Governing Body of the college meets at regular intervals and the minutes of the resolutions made in these meetings are meticulously recorded and maintained. In case of an emergency GB resolution by circulation is also practiced. Some of the resolutions made have been implemented while the rest are in the process of being implemented.

TABLE 6.2.7. RESOLUTIONS BY GOVERNING BODY AND ITS STATUS

DATE	RESOLUTION	STATUS
20.09.14	Funds be allocated for purchase of furniture/ items of Community College & B.Voc. course.	Implemented
	Funds be allocated for publication of Commemorative Volume on 150 th Birth Anniversary of Sir Asutosh Mookerjee.	Implemented
	Funds be allocated for purchase of computers & Printers Computer Science Department	Implemented
	Funds be allocated for purchase of computers by Geography Department	Implemented
17.02.15	Funds be allocated for or renovation, repairing and painting of Humanities Building and installation of lift .	Implemented
	The remaining work of the Boys' Hostel at 2 nd Campus be continued and completed at the earliest using College fund to be reimbursed from balance UGC Grant.	Implemented
	Funds be allocated for installation of A/V system in different classrooms, Seminar Hall, Conference Room, Smart Class Rooms, e- Library be sanctioned.	Implemented
	Funds be allocated for the inauguration of Centenary Building and Centenary CD preparation	Implemented
	Funds be allocated to each of new PG Departments of Geology and Computer Science for infrastructure development.	Implemented
	Funds be allocated for completion of construction of Boys' Hostel, Guest House and Kitchen	Implemented
	The expenditure towards purchase of Practical Equipments for UG & PG courses of the Department of Geology sanctioned.	Implemented
	Funds be sanctioned for purchasing the Spectrophotometer of Chemistry Department.	Implemented
	Funds be sanctioned for Hardware requirements like System Development Kit, Micro-Controller System, Rom-Eraser System, Different Sensors and Interfacing Tools and for Software requirements like Desktop Computer System, Wi-Fi Wireless Router, Laser Printer	Implemented

ASUTOSH COLLEGE SSR 2015

	Scanner Copier, Flatbed Scanner etc of Computer Sc PG Department	
	Expenditure towards set up of Software Laboratory of UGC approved B.Voc. course and Community College in 2 nd Campus approved.	Implemented
30.05.15	Funds be sanctioned for the installation of transformer in 2 nd Campus	Implemented
	Funds be sanctioned for purchasing of Practical instrument in Environmental Science PG Department.	Implemented
	Funds be sanctioned for construction of Ramp and renovation of ladies' toilet in the ACTC Building for Dr. Swarupa Bandopadhyay, Assistant Professor in Bengali (Physically disabled).	Implemented
	Funds be sanctioned towards the expenditure for upgrading and shifting of Information Technology Service Section.	Implemented
	Fund be sanctioned for the establishment of the Research Centre of Geography	Implemented
	Fund be allocated for renovation of Humanities Block at 16, Basanta Bose Road, Kolkata 26	Implemented
	Funds be allocated for the publication of Journal of Asutosh College Teacher's Council.	Implemented
2.09.15	A Generator is to be installed at Second Campus as power failure is frequent event in that locality and we have Girl's Hostel in that Campus. For proper strength of the Generator an Electrical expert may be consulted keeping in view prospective load for the next 5 years.	Implemented
	Fund be allocated for wardrobes, watercooler and Wifi facility in the Humanities Block	Implemented
	Fund be allocated for purchase of Computers and software, laptop for the BVoc Courses.	Implemented
	Funds be allocated for purchase of 10 Computers, 5 video Cameras and one Book Case for Journalism Department	Implemented
	Funds be allocated for Generator to be installed at Centenary Building	Implemented
14.10. 15	The allocation of fund in Humanities Building for the payment of Civil, Electrical, Plumbing work and purchase of Furniture.	Implemented
	Funds be allocated for the Installation of CCTV in Humanities Building	Implemented
	Funds be allocated for Electrification Work, Generator and Water platform, Ladies and Gents toilet, Footpath Work at 2 nd Campus	Implemented
	Funds be allocated for installation of Generator in ACTC Building	Implemented
	Funds be allocated for purchase of Laptop and Printer and 6 nos. of Binocular Microscope	Implemented
	Funds be allocated for purchase of Water Filter and Water Cooler in Centenary Building, Reservoir in ACTC Building, Photocopier in Centenary Building, formation of Software Laboratory in Computer Science .	Implemented

6.2.8 Does the affiliating university make a provision for according the status of the autonomy to an affiliated institution? If yes, what are the efforts made by the institution in obtaining autonomy?

Yes.

- The college is affiliated to the University of Calcutta and functions in accordance with the University Statute for Affiliated Colleges.
- The Undergraduate courses do not enjoy autonomy.
- The University of Calcutta has granted academic autonomy to six Postgraduate departments, B.Voc. and Community College with regard to syllabus–framing and assessment of answer–scripts, result preparation and publication.
- Certificate and Diploma courses offered by the Asutosh College Training Centre are autonomous.
- Initiative for Academic Autonomy for the institution as a whole, a long-standing desire of the college, is to be processed further after NAAC accreditation.

6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

- To address grievances and issues of discipline, the college has in place the following bodies :
 - Grievance Redress Cell
 - Anti-Sexual Harassment Cell
 - Disciplinary Committee
 - Anti–Ragging Cell
- For each cell there is a drop-box to receive complaints. Identity of the complainant is not disclosed.
- Senior teachers are in charge of the above committees. Complaints are promptly attended to and sought to be resolved in consultation with the Principal.
- Additionally, the aggrieved individual may approach the Principal / respective H.O.D directly who may refer the matter to the relevant body to make enquires and initiate appropriate action.
- Students’ grievances are resolved through the President of the Students’ Union and a body constituted by him, if required.
- Teachers’ grievances are addressed by the T.C.S, G.B. representatives and through the intervention of the Principal, if required.
- For grievance redress, non–teaching staff members also proceed through the secretary of the Non-teaching Staff Council, their G.B. representative, which is then looked after by Principal, if required.

6.2.10. During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No, during the last four years there has not been any instance of court cases filed by and against the institute.

6.2.11. Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

YES, The College has a system of analyzing feedback from stakeholders including Students, Guardians and Alumni.

- The Principal and the IQAC go through all the filled in feedback forms related to the activities the Campus, including the performances of the Teachers, Librarians and office staff;
- On the basis of the feedback, the Principal recommends improvements and amendments;
- The methodologies practiced by a department, if appreciated by the students, are communicated to other departments and recommended for implementation;
- Feedback regarding Office and Campus is communicated for necessary action to be taken.

6.3. FACULTY EMPOWERMENT STRATEGIES

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

- The Principal grants duty leave to the faculty members for participating in Orientation Programmes and Refresher Courses, workshops and seminars held for enrichment in their respective fields of study and training for NAAC;
- Teachers are granted leave for participation in Faculty Improvement Programmes;
- The college authorities have been reasonably liberal in allowing adjustments in the class routine, allowing short-duration study leaves for course work, dissertation submission and examinations for M.Tech and M.Phil degrees;
- Further, the management is encouraging a good number of faculty members in pursuing part-time research activities including Ph.D. work for enhancement of their professional knowledge;
- The college encourages paper presentation by the faculty members in different national and international conferences and arranges leave for the same;
- The institution encourages departments to organize seminars and workshops by the different departments on frontier areas of research and invite eminent scholars to visit the college and interact with teachers and students;
- Librarians attended workshops on various aspects of Library management and development;
- Resource mobilization for development of better laboratory facilities through provision of modern equipment and other infrastructural facilities like Computer, Wi-Fi, etc.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

The college renders continuous faculty empowerment through training; retraining and motivational sessions a variety of such programmes were conducted in the past four years.

A FACULTY EMPOWERMENT

- Three (3) faculty members enjoyed FIP programme.
- Five (5) Faculty members availed the Orientation Programme and six (6) faculty members participated in Refresher courses and more than twenty-three (23) faculty members availed different HRD programmes outside campus during the period.
- A number of programmes have been arranged by the college for faculty empowerment.

B. FACULTY MOTIVATION

Interactive motivational talks and seminars are held regularly for the benefit and motivation of faculty members.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The college maintains a self-appraisal system of the performance of faculty in and outside the campus.

FACULTY MEMBERS:

- Departmental Heads maintain records of each teaching and non-teaching staff member regarding their attendance, hours of work, number of classes allotted and taken and other duties performed. Departmental-level meetings are held where these records are checked and steps taken if needed.
- The Principal also visits the departments at intervals to meet the teaching and non-teaching staff members and address issues of importance.
- Appraisal through preparation of 6month/1 year performance analysis of teachers by the institution.
- Through feedback from the students and guardians.
- The self-appraisal proforma filled up by the faculty members are placed for evaluation during the process of promotion.

NON-TEACHING STAFF:

- The Principal visits the Office at regular intervals to meet the non-teaching staff members to discuss and address issues of importance to further streamline their functioning.

- Appraisal through preparation of monthly and yearly performance analysis of office staff by the Principal in consultation with the Head Clerk.
- Through analysis of students' feedback.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- The relationship quotient between the Principal/Management and faculty is very cordial and positive. On rare occasions of complications private dialogue with the concerned staff member has been sufficient in resolving the issue.
- Summary of the Performance Appraisal Report of the teachers are prepared by the institution under the supervision of the Governing Body on a yearly basis, based on records of the academic diary and students' feedback and are initially discussed in the departmental meetings followed by discussion in IQAC meeting, if and when required.
- In order to encourage faculty towards further excellence, the management acknowledges and appreciates the lead performers and achievers.
- However, any decision taken by the Governing Body, based on the performance appraisal reports is communicated to the faculty members by the college administration.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have available the benefit of such schemes in the last four years.

The College being a Government-aided college, the teaching staffs are paid as per the Sixth Pay Commission recommendations of the UGC. The non-teaching staffs are paid as per the State Government scales and their service conditions are also at par with other state government employees of equal rank.

The staff members are paid their salaries on the first day of every month from the College Fund even if the college has not received the pay-packet from the government on time.

Moreover, the management arranges for the salaries of some management-appointed staff (both teaching and non-teaching), recruited to cope with the increasing work load of the institution.

In addition, as employees of this college, both the teaching and non-teaching employees enjoy the benefits of the following welfare schemes:

- Group Insurance Policy for all teaching and non-teaching staff.
- Group Provident Fund loan facility for all the applicants from the teaching and non-teaching Staff members.
- Co-Operative loan facility at concessional rate for all the members of Asutosh College Co-Operative Society.
- EPF facilities for contractual Non-teaching staff members.
- Medical Insurance.
- On-campus residential facilities for caretakers.
- Free accommodation for watchmen.

- Rent-free accommodation for the Hostel Superintendent.
- Free use of college infrastructure for individual research.
- On-campus free health care services and First-aid assistance.
- Festival Allowance and adjustable Advance for Teaching, Non-teaching and management appointed employees.
- Payment of 80% of GPF and Gratuity contribution on the day of retirement for all.
- Purified and cold drinking water supply in the campus and hostel for teachers, non-teaching staff and students.
- Study Leave
- Special Study Leave
- Leave for Faculty Development Programme
- Maternity Leave
- Quarantine Leave
- Tea Club facility for staff, which organizes an Annual Get-together for Lunch where the retired teachers are also invited to participate.

TABLE6.3.5A: TEACHING AND NON-TEACHING MEMBERS AVAILING PROVIDENT FUND LOAN

YEAR	MEMBERS (TEACHING)	MEMBERS AVAILING LOAN	PERCENTAGE	MEMBERS (NON-TEACHING)	MEMBERS AVAILING LOAN	PERCENTAGE
2014-15	45	3	7%	31	12	39%
2013-14	52	5	10%	32	9	28%
2012-13	61	5	8%	36	9	25%
2011-12	65	5	85%	39	14	36%

TABLE6.3.5B: TEACHING AND NON-TEACHING MEMBERS AVAILING COOPERATIVE SOCIETY LOAN

Year	Total members	No of members availing loan	% of beneficiary	Amount Sanctioned
2014-15	78	38	49%	33,12,977/-
2013-14	85	32	38%	25,55,000/-
2012-13	94	31	33%	21,27,050/-
2011-12	95	31	33%	20.41,000/-

6.3.6. What are the measures taken by the Institution for attracting and retaining eminent faculty?

- The college has always given priority to excellence in teaching and the administration has always tried to attract and retain the services of experienced teachers in this college.
- Many departments arrange special/ extension lectures by senior and eminent teachers from Universities and reputed institutes for the intellectual enrichment of students and faculty.

ASUTOSH COLLEGE SSR 2015

- Retired teachers of this college or senior teachers from other colleges are requested to serve as guest faculty for students' benefit.
- The P.G. departments recruit eminent teachers as Guest lecturers or to give talks/ lectures on relevant research topics.

TABLE 6.3.6 LIST OF EMINENT TEACHERS ASSOCIATED WITH TEACHING

TEACHER	DESIGNATION	DEPARTMENT
Prof. Madhusudan Ghosal	Asso. Prof, Retd Surendranath College	ZOOLOGY
Prof. Samir Banerjee	Professor, Retired, (C.U.)	ZOOLOGY
Dr. Kamalesh Misra	Associate Prof, , RBC College Naihati	ZOOLOGY
Dr. Subhas Saha	Associate Prof, Retired, Rishi Bankim Chandra College, Naihati	ZOOLOGY
Dr. Lakshmikanta Ghosh	Scientist-F, ZSI	ZOOLOGY
Prof. H.R. Betal	University of Calcutta	GEOGRAPHY
Prof. Guru Prasad Chattopadhyay	Visva- Bharati University	GEOGRAPHY
Prof. M.M. Jana	North Bengal University	GEOGRAPHY
Prof. Maloy Mukhopadhyay	Visva- Bharati University	GEOGRAPHY
Prof. Pannalal Das	Calcutta University	GEOGRAPHY
Prof. Kalyan Rudra	West Bengal Pollution Control Board	GEOGRAPHY
Prof. Sudhir Malakar	Calcutta University	GEOGRAPHY
Prof. Harekrishna Dutta	Bidhan Nagar Govt. College	GEOGRAPHY
Prof. Soumya Banerjee	Professor and Head, Dept of Computer Science and Engineering, BIT Mesra	COMPUTER SCIENCE
Prof. Paramartha Dutta, Professor	Dept of Computer Science, Viswa-Bharati University	COMPUTER SCIENCE
Prof. Biplab Sikder	Professor, ,Department of Computer Science and Engineering, IIST, Shibpur	COMPUTER SCIENCE
Prof. Suchorita Banerjee	Professor Calcutta University	BENGALI
Prof. Jayanti Bhattacharya	Professor Calcutta University	BENGALI
Prof. Abdul Kafi	Asso. Professor Jadavpur University	BENGALI
Prof. Subhendu Dasmunshi	Asst Prof/ PG Bengali Dept., Basirhaat College, Member, Editorial Board, Bangla Akademi, Govt. of WB	BENGALI
Prof. Dhrubajyoti Mukhopadhyay	Retired Professor in Geology, University of Calcutta; Emeritus Scientist, Raman Centre for Applied and Interdisciplinary Sciences	GEOLOGY
Prof. Anil Kumar Ghosh	Retd. Prof. CU	GEOLOGY
Prof. Tapas Bhattacharyya	Professor in Geology, University of Calcutta	GEOLOGY
Prof. Pulak Sengupta	Professor, Jadavpur University	GEOLOGY
Dr. Santanu Bose	Assistant Professor University of Calcutta	GEOLOGY
Dr. Biswajit Ghosh	Assistant Professor University of Calcutta	GEOLOGY
Dr. Bhabani Sankar Joarder	Reader (Retd.), Dept. of Zoology, Asutosh College	ZOOLOGY

Prof. Bikash Chandra Pal	Associate Professor, (Retd.). Dept. of Physics, Asutosh College	PHYSICS AND ELECTRONICS
Dr. Jayanta Deb Biswas	Reader (Retd.), Dept of Geology, Asutosh College	GEOGRAPHY
Dr. Dipak Sen	Reader (Retd.), Dept of Chemistry, Asutosh College	CHEMISTRY
Dr. Debdas Roy	Associate Prof. (Retd.), Dept of Geology, Asutosh College	GEOLOGY
Sri Angsutosh Khan	Associate Prof. (Retd.), Dept of Physics, Asutosh College	PHYSICS AND ELECTRONICS
Dr. Asok Kumar Roy	Associate Professor., Dept of Geography, Asutosh College	GEOGRAPHY
Dr. Sudhansu Kumar Koley	Associate Prof. (Retd.), Dept of Geography, Asutosh College	GEOGRAPHY

6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- The Finance and Accounts Department, headed by the Accountant works under the supervision of the Bursar and the administrative control of the Principal. It handles the responsibility of implementing all tasks related to finance and accounting in accordance with the rules, regulations and financial policies framed by the respective authorities.
- The institution has developed strategies for mobilizing resources and transparency in financial management of the institution.
- An Annual Budget is prepared.
- The Principal is responsible for monitoring and controlling all financial procedures related to the running of the institution. He is the Drawing and Disbursing Officer (DDO) and presents regular periodic financial reports to the higher administration (the State Government and the UGC, etc.). In this process, he is assisted by the Bursar and the Accountant.
- Proper procedure for purchases is adopted. Quotations (minimum three) are invited and after comparing the prices, the lowest quotations are approved. Expenditure up to Rs. 25000/- is according to the Principal's discretion. Approval of purchases above Rs. 25000/- is made by the Finance committee.
- E- tendering is followed as per recommendation of the state Government for purchases above Rs.5 lakhs, and digital signature for e-tendering has been procured and training undertaken for the smooth implementation of the process.
- The income and expenditure of the institution are subjected to regular audit. The college accounts are regularly checked by an external audit system.
- Norms followed in order to make effective use of resources:

- Payments are made either in the form of cheque or D.D. except in the case of small amounts.
- Tender is invited for all purchases.
- Payment is made only on production of proper bills or vouchers.
- Payments are made only if authorized by the Principal.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done what are the major audit objections? Provide the details on compliance.

- The college has a mechanism for external audit.
- The external audit is carried out by a Government auditor appointed by the Department of Higher Education, Government of West Bengal.
- The external audit has been completed up to the session 2013-14. The audit of 2014-15 along with arrears if any, is in process.
- There were no major objections raised by the auditor.

TABLE 6.4.2: DETAILS OF GOVERNMENT AUDIT

AUDIT AUTHORITY	DATE OF AUDIT
S. DASNANI AND ASSOCIATES 6A, SN BANERJEE ROAD KOLKATA 700087	1.10.2012 (FOR 2010-11) 21.06.2013 (FOR 2011-12)
A. ISLAM AND CO. 72, KARNANI ESTATE 209, AJC BOSE ROAD. KOLKATA 700018	30.07.2014 (FOR 2012-13) 30.09.2015 (FOR 2013-14)

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of the academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of Institutional receipts are:

- Admission and Tuition fees collected from the students;
- Development grants from the State Government, UGC,DST, DBT;
- Apart from these, the college receives grants from the Govt. of West Bengal for payment of salaries to its staff;
- MP/MLA LAD;
- Audited income and expenditure statement of academic and administrative activities of the previous four years:

Table 6.4.3A: STATEMENT OF INCOME

PARTICULARS	2014-15	2013-14	2012-13	2011-12
GOVT. GRANT IN AID (SALARY)	6,58,53,117/-	9,60,66,229/-	7,44,86,431/-	7,19,45,439/-

ASUTOSH COLLEGE SSR 2015

GRANTS (UGC, CENTRAL & STATE)	1,39,27,402/-	1,21,76,142/-	61,11,742/-	35,54,928/-
MLA/MP LAD	NIL	30,00,000/-	NIL	7,48,500/-
SCHOLARSHIPS (GOVT.)	29,000/-	4,85,540/-	134,240/-	368,110/-
FEES FROM STUDENTS	4,47,33,580/-	2,20,97,442/-	1,70,47,204/-	4,93,12,669/-
MISC. RECEIPT	1,77,187/-	1,10,11,350/-	1,19,58,338/-	1968178/-

Table 6.4.3B: STATEMENT OF EXPENDITURE

PARTICULARS	2014-15	2013-14	2012-13	2011-12
SALARY	1,99,63177.00	1,28,57,696.00	92,33638.00	13640265.00
RECURRING & RENEWABLES	5688293.00	6603551.00	3248614.50	5968988.00
CONTINGENCIES	2693472.00	1389466.00	1656880.50	1763029.00
MISCELLANEOUS	2217241.00	1895191.00	2592723.00	5662591.00
LAB FACILITY	1668950.00	1429456.00	1333856.00	4656873.00
FESTVL ADVNC	653850.00	657000.00	577400.00	49200
EPF	4195230.00	615826.00	NIL	NIL

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

- The college sends proposals for additional grants to the UGC, DST and DBT in order to meet expenses for construction of new buildings, and repair and renovation of existing ones.
- The college applies for both Government and UGC funds under various plans, whenever necessary.
- Other than the routine Government and UGC grants, the institution has been able to secure additional funding from various agencies such as DST & FIST, DBT, MP-LAD, MLA BEUP, State development grant and from beneficiaries.
- The following are the results of the efforts in securing additional funding by the institute:

TABLE 6.4.4. SOURCE AND UTILIZATION OF ADDITIONAL FUNDING

YEAR	AMOUNT	SOURCE	UTILIZATION
2012-13	1 lakh	Alumni	Centenary Building

2012-13	25 lakhs 15 lakhs	MP-LAD (Subrata Bakshi)	Centenary Building
2013-14	40 lakhs	MP LAD (Pradip Bhattacharya and Somen Mitra)	Development of Bhasa 2 nd Campus
2013-14	5 lakhs	RETD. FACULTY	Second Campus
2014-15	7 lakhs 48 thousand	MLA LAD (Dilip Mondal)	Development of Bhasa 2 nd Campus
2015-16	2.5 lakhs	MP-LAD (Subrata Bakshi)	Students' Bus

6.5 INTERNAL QUALITY ASSURANCE SYSTEM (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a) Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, the institution established its IQAC in 2004. However, due to the gradual retirement of the top level of the management, it remained dormant for some time, though the members of IQAC remained active participants in different decision-making committees of the College.

The present IQAC was established in 2013. The committee includes the members of the Governing Body, Bursar, Teachers' Council and Non-teaching Council secretaries, Students' Union president and secretary, senior teachers of the college, and renowned academicians associated with the college as external members.

The IQAC has become a part of the institution's vision for all-inclusive education and is consistently involved in quality enhancement, channelizing all efforts and measures of the institution towards achieving academic excellence.

THE INSTITUTIONAL POLICY OF QUALITY ASSURANCE:

- Inputs regarding funding for research, and results in the University examinations are discussed in IQAC meetings. IQAC members prepare a comprehensive future plan for the institution.
- Departmental Inputs are collected and necessary discussions regarding the academic activities of the Departments are discussed.
- The IQAC proposes recommendations for quality improvement from time to time.

INSTITUTIONALIZING QUALITY ASSURANCE PROCESS:

The IQAC acts as a body for quality sustenance and enhancement. It plays a role in monitoring the implementation of different quality assurance proposals.

The Institutional Process of Quality Assurance includes:

- Proposals discussed in the IQAC meetings in the presence of the Principal and other IQAC members.
- Proposals forwarded to the Teachers' Council, Non-teaching Council and Students' Union for approval and/or further inputs.
- Necessary clarifications and/or elaborations of proposals made by the Principal.
- Finally, the implementation of the proposals in original or modified form by the Principal after endorsement at the GB meeting, if needed.

b) How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

The authorities of the institution have approved and implemented all the quality enhancement recommendations that the IQAC has put forward for consideration, and taken necessary action for their smooth implementation.

Some significant decisions approved and implemented by the authorities are:

TABLE 6.5.1. RECOMMENDATIONS MADE BY IQAC AND THEIR PRESENT STATUS

RECOMMENDATIONS	APPROVAL STATUS	IMPLEMENTATION STATUS
College to be made a totally Wi-Fi zone	Approved	In process
Teaching Plan to be made in all the departments	Approved	Completed
Academic Calendar	Approved	Completed
Departmental Annual Report to be drafted	Approved	Completed
Student Database be prepared	Approved	Completed
Records of the results of students be maintained	Approved	Completed
Digitalization of Departmental data	Approved	In process
Setting up of BOOST laboratory in the Main Campus	Approved	In process

c) Does the IQAC have external members on its committee? If 'yes', mention any significant contributions made by them.

Yes, the IQAC has two external members on board who have made significant contributions in enhancing the academic environment of the college:

- Dr. Kalyan Rudra, Chairman, West Bengal Pollution Control Board, Member, GB
- Sri Dipankar Sarkar, Member, GB

The recommendations made by them include:

- Wi-Fi facility in college.
- Student feedback form.

d) How do the students and alumni contribute to the effective functioning of the IQAC?

ROLE OF STUDENTS IN THE FUNCTIONING OF THE IQAC:

To ensure collaborative and participative leadership and free and effective say of the student community in the affairs of the institution, the General Secretary of the Students' Union has been included in the IQAC. This representation formally acknowledges the students as key stakeholders in the quality of education provided by the college. All other Students' Union representatives maintain regular interaction with the IQAC coordinator and the Principal and forward proposals regarding students' requirements for development and place them for consideration before the IQAC.

ROLE OF ALUMNAE IN THE FUNCTIONING OF THE IQAC:

The alumni provide useful feedback which serves as input for the planning and developmental activities of the institution. Alumni feedback and inputs given from time to time are discussed and necessary steps taken.

e) How does the IQAC communicate and engage staff from different constituents of the institution?

- The Principal and the Coordinators of the IQAC maintain liaison between the IQAC and the departments.
- A common email id accessible to all faculty members makes connectivity easy and fast.
- The IQAC also conducts periodic meetings of the Heads of all Departments for information dissemination. A day of the week has been earmarked for all IQAC-related meetings and communications.
- The IQAC engages staff of the institution for effective implementation of the IQAC program in consultation with the Principal and the members of the Governing Body, if and when needed.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operation.

The institution has an integrated framework for Quality Assurance of Academic and administrative activities. An outline of this framework is given below:

TABLE 6.5.2. FRAMEWORK FOR QUALITY ASSURANCE OF ACADEMIC AND ADMINISTRATIVE ACTIVITIES.

PLANNING	INSTITUTIONAL PLAN: For a 5-year period regarding academic and administrative activities, taken by the Governing Body as per suggestions of the Teachers' Council, Non-Teaching Council, Students' Union and endorsed by IQAC
	DEPARTMENTAL PLAN: For 1 year, taken by the Head of the Department in consultation with departmental staff and students.

BUDGET ALLOCATION	Preparation of Budget for implementation: endorsed by the GB
IMPLEMENTATION OF PLAN	Activities are implemented in both the academic and administrative wings according to the institutional and departmental plans as per budget allocation.
PARADIGM ASSESSMENT	Activities of the college are compared with that of the best colleges under the same university to assess progress and make further plans so as to be on par with them or better.
ASSESSMENT	Departmental Annual Report and faculty self-appraisal report are prepared.
STAKEHOLDER FEEDBACK	Feedback from students, alumni and parents taken to assess the performance and initiate necessary steps.
ANNUAL REPORT	Annual Report is prepared highlighting academic and administrative progress and significant enhancement of quality and submitted to the DPI, Govt. of West Bengal.
AQAR REPORT	Annual Quality Assurance Report prepared highlighting progress and significant quality enhancement events and sent to NAAC.
SSR REPORT	Cumulative report in the form of SSR is submitted to NAAC highlighting quality enhancement efforts, Academic and administrative performances.

6.5.3. Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

- The Principal in his capacity as Resource Person has delivered talks at many NAAC awareness and sensitization programmes.
- The IQAC coordinators and senior teachers attend workshops and seminars on quality enhancement.
- The college authority encourages the participation of the faculty in Orientation and Refresher courses to equip them with updated knowledge in their respective subjects for academic quality maintenance and effective management of the main business of teaching.

6.5.4. Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

Yes, the institution undertakes Internal Academic Audit.

Academic Audit is carried out in the following manner:

- The Governing Body of the college has eminent academic personalities as external members who ensure impartial academic performance evaluation of the college.

- After publication of the results of each University Examination, the Principal conducts meetings with the TCS, IQAC members, Academic Affairs committee, and all HODs to analyze the performance of each department, which analyses are placed in the GB meeting for academic audit.
- In the PG departments academic progress is reviewed regularly by the PGEC. The PGEC consists of internal members as well as external members and academic experts (University nominated) who meet periodically to assess the performance of students, changes in the syllabus if any, and quality of teaching-learning process. These activities help in the academic audit of the PG departments.
- Records of classes allotted and actually taken by individual teachers are maintained and necessary steps taken in case any deviations are noted.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- Regulations of the UGC, West Bengal State Council of Higher Education, and Education Dept. of the State Government and Calcutta University are followed and necessary steps taken for implementation for improvement.
- The college ensures a completely transparent admission system based on online submission of applications and publication of merit list based on the same.
- The Faculty members are sent to attend workshops organized by the University to make the teachers more competent regarding teaching strategies in keeping with the requirements of the syllabus.
- The college also provides free studentship, partially free studentship to many meritorious students from economically underprivileged sections of society.
- Hostel accommodation is also given to more meritorious students but economically deprived students.
- Bridging the gap between academics and opportunities/ employment is effected by the Career Counselling Cell and Placement Cell.

6.5.6 What institutional mechanisms are in place to continuously review the teaching-learning process? Give details of its structure, methodologies of operations and outcome?

- Attendance of students in classes is monitored regularly.
- Departmental staffs meet regularly to discuss the academic progress of students.
- Tutorial classes are conducted to make the learning process more effective, especially for advanced learners.
- HODs keep constant touch with the class representatives regarding the problems of students in academics.
- Class tests, mid-term tests and Selection tests are conducted in keeping with the requirements of the university.
- The results are published and the guardians duly informed.

- Parent/guardian-teachers meetings are conducted after publication of results to discuss reasons for unsatisfactory performance if any, and steps for improvement suggested.
- Students' feedback and Parent/guardian feedback forms are assessed by the HODs and other faculty members of the different departments.
- The IQAC monitors the teaching-learning process and gives necessary proposals for improvisation and improvement from time to time.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

- Regular updating of the college website is made for internal as well as external stakeholders.
- Notification in both print and electronic media as and when required.
- Student Orientation Programme and distribution of college Prospectus to the internal and external (in specific cases) stakeholders.
- Seminars organized every year during the full session of the college so that all internal stakeholders can participate.

6.5.8 Any other relevant information regarding Governance, Leadership and Management which the college would like to include.

- An atmosphere of discipline is maintained in the campus under the supervision of the staff and the Students' Union so that academic activities along with the freedom of creativity and expression are ensured.
- The Academic Calendars of the different departments are circulated among students and staff at the beginning of each academic year and followed strictly, at the same time, allowing for unforeseen circumstances. Departments prepare and follow teaching plans and prepare departmental reports accordingly.
- Attendance Registers are rigorously maintained where the teachers themselves mention the number of class allotted and taken and other regular and extraordinary duties assigned to them and note the time committed thereby.
- All meetings held for academic and administrative purposes are notified and their minutes recorded.
- The College Foundation Day, Students' Social, College Fest and other cultural programmes are organized and managed by the faculty and students in an atmosphere of cordial cooperation.
- The year-long Centenary Celebration of Asutosh College (2015-2016) is being held in the august presence of a number of distinguished guests.
- The Students' Union elections are held year after year peacefully and cordially with the help of students guided by the faculty.
- Independence Day and the Republic Day are officially observed in the college, the programmes being organized by the NCC unit.
- The hostel is well managed with well-organized boarding facilities.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 ENVIRONMENT CONSCIOUSNESS

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes, the college has recently initiated a Green Audit of its two main campuses including the ancillary units and Centenary Building. This study is being carried out by the students of the department of Environmental Science in collaboration with the Environmental Science department of Calcutta University.

It is worth mentioning that though four of the five units of the two campuses are located in an urban area, the institution has taken all possible steps to make the campus eco-friendly.

The following are some initiatives taken by the college to ensure protection and preservation of the environment.

- The use of plastic bags is banned in the campus.
- The entire campus is a 'No Smoking' zone.
- Pest control drives are carried out in association with the Kolkata Municipal Corporation especially for malaria and dengue-larvae extermination in the campuses.
- Departments like Chemistry, Biochemistry, Microbiology, Environmental Science which conduct practical classes involving hazardous chemicals in the laboratories ensure protection of the students and the environment by practicing the following:
 - All hazardous chemicals are handled under the supervision of teachers or laboratory instructors.
 - No student is allowed in the class without protective apron and in some cases, masks.
 - Students working in the laboratory always face the risk of exposure to toxic fumes. This is taken care of by running exhaust fans in the laboratories during class hours. This helps drive away the fumes and reduces their concentration within the confines of the laboratory.
 - All microbial cultures are heat killed before disposal.

- Special techniques have been devised regarding reagent handling, like using pipettoman, adaptors and pipette aids for pipetting hazardous chemicals like concentrated sulphuric and nitric acids, chloroform, etc., wearing gloves and mask when using Ethidium Bromide or Polyacrylamide, using H₂S water during qualitative analysis instead of the Kipps' Apparatus for producing hydrogen sulphide gas, etc.
 - All toxic and hazardous chemicals are dumped and stored till arrangements are made for their safe and suitable disposal instead of being drained out through the regular drainage system.
- Students are constantly sensitized about clean and green environment through talks, seminars posterings, etc.
 - The Eco Club of the Environmental Science department carries out tree plantation programmes, environment awareness programmes, e-waste management, toxic link consultation.
 - Efforts are under way to install solar panels for partial illumination of the campus.
 - The College has initiated negotiations with Kolkata Municipal Corporation to maintain the Jatin Das Park adjoining Asutosh College Main Campus.

The Second Campus of Asutosh College at Bhasa has an entirely different ambience. A tranquil world in itself, the campus stands unique with its lush green expanse, its many trees, frequented by birds, a herbal garden, and a huge water body. Though the Campus is still in the process of being developed the administration has ensured that it develops into a GREEN CAMPUS.

The initiatives taken for the Bhasa Green Campus include:

- **SOLAR LIGHT HARVESTING** : Use of solar energy in place of conventional power sources has been initiated by setting up a solar energy harvesting unit developed and maintained by Dr. Surya Sarathi Bhattacharya of the Physics Department, Prof. Arnab Samaddar and Dr. Sourav Bhowmik of the Electronics department.
- **BIOGAS**: A biogas unit is being set up and maintained by Dr Subhayan Dutta of the Environmental Science Department.
- **RAIN WATER HARVESTING**: A rain water harvesting unit is being set up and monitored by Dr Sayani Mukherjee of the Department of Geography and Dr Subhayan Dutta of the Environmental Science Department.

- **MEDICINAL PLANTS GARDEN:** A medicinal plants garden has been recently set up in the second campus where medicinal plants have been planted and are being maintained. Dr Amitava Ghosh, Dept of Botany, is in Charge of the project.
- **AQUACULTURE UNIT:** A large waterbody is used for aquaculture and fisheries studies and maintained under the supervision of Dr Satyam Kundu of Industrial Fish and Fisheries Department of the College.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

ENERGY CONSERVATION

- The College is fast switching over to the use of modern low-end energy consumption resources to minimize electricity consumption.
- Existing energy consuming tube lights, Sodium lamps, and fans are being replaced with energy saving tubes, CFL, and fans with lower power consumption.
- The College has planned to set up solar panels on the roof tops of the buildings in the main campus and the energy generated will be used to run small instruments in the laboratories as well as for partial lighting of the campus.
- Use of windows or skylights for daylight instead of turning on electric light is encouraged. Lights and fans are turned off in empty classrooms.
- Mercury vapour lights outdoors have been replaced with metal halide.
- Doors and windows have tight seals and are closed when air conditioners are running.
- Printers, copiers are turned off at the end of the day, as also desk lamps when not in use.
- “Sleep” mode on computers and monitors are activated.
- Equipment are checked regularly for proper operation and maintenance needs.
- Use of solar energy in place of conventional power sources has been initiated by setting up a solar energy harvesting unit at the Bhasa campus, developed and maintained by Dr. Surya Sarathi Bhattacharya of the Physics Department, Prof. Arnab Samaddar and Dr. Sourav Bhowmik of the Electronics department.

USE OF RENEWABLE ENERGY

- The College has planned to set up solar panels on the roof tops of the buildings in the main campus and the energy used to run small instruments in the laboratories and also be used for lighting of our campus. The project is in the

process of being implemented.

- A solar energy harvesting unit is being developed at Bhasa second campus.

WATER HARVESTING

- College has undertaken a project for Rain Water Harvesting. Rain water will be collected from the rooftop of college and used after filtration. The details of the project are being worked out to give it a final form.
- A rain water harvesting unit is also being set up at the Bhasa second campus.

CHECK DAM CONSTRUCTION

- As the college is in an urban area this is not under the purview of the institution. However, in the Bhasa Campus to protect the over flow of water from the water body during the rainy season the level of the surrounding land has been raised.

EFFORTS AT CARBON NEUTRALITY

The College has taken all possible measures to check the emission of carbon dioxide through the following:

- The use of coal as fuel in the canteen has been banned and replaced by gas.
- Incandescent bulbs are being replaced by tube lights and CFLs.
- Air conditioners and other cooling machines are properly maintained so that emission levels are minimized.
- Generators installed are of low carbon-emitting make.

PLANTATION

- There is no open space in the main campus to maintain greenery but we have placed potted plants in the staircases and corridors utilizing the limited space that is available.
- The Centenary Building too has potted plants on the premises.
- A small garden is maintained in the ACTC building.
- A gardener is appointed for cutting, pruning and maintaining of plants.
- The N.C.C. and N.S.S. constantly encourage and enlighten students about the benefits of a green campus.
- In the Bhasa campus 600 saplings have been planted with the help of the NSS and the NCC units.

HAZARDOUS WASTE MANAGEMENT

- All toxic and hazardous chemicals are dumped and stored till arrangements are made for their safe and suitable disposal instead of being drained out through the regular drainage system.
- The laboratories are fitted with fume cupboards and exhaust fans to control spread of gas fumes.
- The current chemistry practical syllabus has reduced the use of toxic chemicals and solvents.
- Microbial culture used for practical classes are heat-killed through autoclaving by teachers and laboratory staff before dispersal.

E-WASTE MANAGEMENT

- Use of online data transfer to reduce use of DVD/CDs, Pen drive and other storage devices.
- The parts of instruments that can be repaired or reassembled are reused and those which are completely damaged and can't be reused are carried away from the campus by appointed agencies for destruction.

7.2 INNOVATIONS

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

INNOVATIONS IN CURRICULUM DESIGN AND DEVELOPMENT

- Introduction of UGC-sponsored B.Voc programme in Software Development and Industrial Aquaculture and Fisheries in 2014.
- Introduction of UGC-sponsored Community College course in Mobile Communication and Software Development in 2014.
- Introduction of M.Sc in Applied Geology and Computer & Information Science in 2014.
- Introduction of Add-on courses in Travel and Tourism, Industrial Chemistry and Hospital Waste Disposal Management in 2013.
- Introduction of M A. in English, History, and Political Science, M.Sc.in Environmental Science, and M. Com through Distance mode in 2012.
- Introduction of MA in Bengali and B.Sc. (Hons) in Environmental Science in 2011.

INNOVATIONS IN TEACHING-LEARNING PROCESS

- Online admission in the UG and PG courses and total computerization of admission procedure.
- A blended mode of traditional blackboard teaching and ICT enabled-teaching. For this, the departments are provided with desktop and laptop computers with internet facilities. Some departments use specific software as required by the curriculum.
- Remedial Coaching, Tutorial Classes for Weaker and/or Meritorious Students.
- Organizing industry visits and field studies for the students at regular intervals.
- Inviting faculty members from the universities and research institutes to deliver talks and make seminars presentations to create research motivation among the students.
- All the larger classrooms are equipped with audio facilities for the benefit of teachers and students alike.
- Emphasis is given on dissertation papers and project works in the PG Courses.
- Almost all departments from time to time organize National level seminars, workshops as well as in-house interdisciplinary workshops in which students are encouraged to participate actively and take leading roles.
- Language Laboratory in the Communicative English Department to aid the teaching-learning process.
- Constant upgradation of laboratories and purchase and installation of latest instruments for better teaching-learning.

INNOVATIVE TECHNIQUES IN ASSESSMENT

- Making classes more interactive
- Organizing group discussions
- Giving due weightage to attendance and class performance
- Organizing debates
- Conducting regular class tests
- Giving home assignments

INFRASTRUCTURAL DEVELOPMENT

- Introduction of Online admission at UG and PG levels
- Construction of five-storied Centenary Building with all modern amenities for technology-enabled teaching-learning, including conference room, e-library,

instrumentation centre, smart classroom to house PG departments enabling technology enabled Teaching –Learning.

- Renovation of a four-storied Humanities Block to house some of the Humanities Departments.
- Construction of Boys’ and Girls’ hostel with UGC funding in the Second Campus at Bhasa on the verge of completion.
- Initiation of 2.5 acre waterbody landscaped in the Second Campus at Bhasa. The construction of the 4000 running ft of boundary wall, the Office building have been completed with UGC funding and that of the Academic building is in pipeline.
- Establishment of an IT section in the Humanities Block for admission-related official work.
- Establishment of a DBT-sponsored BOOST laboratory for housing latest instruments for Biotechnology work.
- Upgradation and automation of Library, purchase of books and subscription of journals every year.
- Installation of 16 CCTV cameras in different location of the college campus to ensure the security measure within it.

STUDENT SUPPORT SYSTEM

- Financial Assistance, instalment facility and half and full waiver of admission fees for needy and meritorious students.
- A number of training programmes, diploma programmes and Add-on courses for job and examination-oriented training and teaching.
- Psychotherapy unit for student counselling and support.
- Anti-Ragging Cell, Sexual Harassment Redressal Cell actively functional.
- Hostel facility, Canteen facility, Cheap Store Facility for the Students.
- Ample supply of Pure drinking water, clean washrooms maintained by cleaning authority.
- Generator is in place to ensure uninterrupted power supply during classes and examinations.

INNOVATIVE INTERACTIVE PRACTICE

- Tea Club of the teaching staff organises an Annual Get-together of teachers at the beginning of the Winter Recess where retired Professors are also invited.
- Picnic organised by the Teachers’ Council.

ASUTOSH COLLEGE SSR 2015

- Teaching and Non-teaching staff friendly cricket match is organised annually at the College Ground at Maidan.
- Annual Get-together of the Non-Teaching staff.



Retired Teachers felicitated with Uttariya at the Annual Tea Club Get-together, December, 2015

OTHER INNOVATIONS THAT HAVE AN IMPACT IN THE FUNCTIONING OF THE COLLEGE

- The Principal regularly supervises the performance of the teachers, meets the students and class representatives to monitor and solve any academic and administrative problems.
- Meetings of the Governing Body, Finance Sub-Committee, Building Sub-Committee, Purchase Committee, Admission Committee, Research Monitoring Cells, Examination Committee, PG expert committee are held at a regular interval for systematic planning, execution and evaluation of programmes.
- Building of a five-storeyed state-of-the-art Centenary Building and a Humanities Building, initiation of the Asutosh College Information Technology Section have contributed enormously to the infrastructural development of the college.
- The Second Campus at Bhasa is being developed keeping in view the emerging trend of interdisciplinary approach towards teaching-learning. The plan is to establish different

‘schools’ which will foster an interrelated and integrated academic environment especially conducive to research activities:

- a) School of Physical Sciences,
- b) School of Life Sciences,
- c) School of Earth Sciences,
- d) School of Mathematics and Statistics,
- e) School of Computer Science,
- f) School of Languages and Literature,
- g) School of Humanities and Social Science,
- h) School of Journalism, Film Studies, Mass Communication and Videography,
- i) School of Library and Information Science,
- j) School of Management,
- k) School of Rural Sciences,
- l) School of Technology,
- m) School of Vocational Training,
- n) School of Distance Learning Programmes,
- o) Future Schools (Community College, School of Cognitive Science, School of Sustainability Science, School of Behavioural Studies).

7.3 BEST PRACTICES

7.3.1 Elaborate on any two best practices **in the given format at page no.98**, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

BEST PRACTICE I

TITLE OF THE PRACTICE:

**ESTABLISHMENT OF UGC-SPONSORED COMMUNITY COLLEGE SCHEME
AND BACHELOR OF VOCATION (B.VOC.) COURSE**

➤ GOAL

Asutosh College has a long history of providing quality education and training, not only through Degree courses of the University of Calcutta, but also in job-oriented training. In this pursuit the college established the Asutosh College Training Centre in the Platinum Jubilee year of the institution. Various disciplines in this centre have created innumerable students who now successfully serve in various fields of industry and service. To further extend this effort, the college decided to play a role in helping the student community with newer job-oriented courses, as recommended by the UGC, by establishing the autonomous Community

College and also by starting the Bachelor of Vocation (B.Voc.) curriculum under the University of Calcutta.

➤ THE CONTEXT

In 2014 the University Grants Commission came up with proposals inviting colleges to develop career-oriented courses under the Community College scheme and B.Voc. system. It was just at that time the college authorities were thinking of expanding service towards the society with more job-oriented courses. It was decided to move forward with the proposals and the faculty members did not waste a moment in framing the project reports required for applying for Community College and B.Voc. curricula in the college. The UGC was applied to for courses in Mobile Communication and Software Development under Community College system and courses in Software Development and Industrial Aquaculture and Fisheries under the B.Voc. system. Designing the proposal was not an easy task in the available time, but the involved personnel worked hard and the project proposals were submitted in time. Both the proposals were accepted by the UGC after interface meeting enabling the college to move forward in initiating the curricula as soon as the grant-in-aid was received.

➤ THE PRACTICE

The courses were designed in consultation with the experts in the respective sectors of the industry. We approached the relevant industrial groups through the MCC Merchant Chamber of Commerce and Industry, Kolkata. The Industry house readily became our partners in the endeavour and extended their full-fledged support to us.

The University also endorsed the courses designed without any modification and agreed to start a B.Voc. course under its umbrella. We became the first college and only college under the auspices of the University of Calcutta to start such course.

We are among the first few colleges in the state of West Bengal involved in similar activities. In the academic session of 2014 itself we started the academic activities of these courses, without wasting any time, in our sprawling second campus at Bhasa, South 24 Parganas.

➤ EVIDENCES OF SUCCESS

Our aim with regard to the Community College and B.Voc. courses is to attract students who need to be in the industry as professionals or entrepreneurs to meet the financial demands of their families and realise their own ambitions. In the first year of the course we were successful in attracting students from this segment of the society and the courses soon spread their wings. The classes are held regularly in the newly-built classrooms in the second

campus. We are getting active teaching support from the specialists deputed by the Industry partners. We have already developed the basic laboratories required. We are also successfully using the waterbody in the second campus as a field laboratory for the aquaculture course.

➤ **PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED**

- The course is designed to run with active partnership from the industries. This is a new way of teaching we are experiencing and so quite expectedly some lacunae are there in the process we follow in communicating with the industry. We are continuously monitoring the relationship, finding our communication gaps and trying to fill them up for the smooth running and betterment of the teaching-learning system.
- We have already developed the basic laboratories to meet the minimum requirement of teaching-learning. But the constant change and upgradation of technologies demand more sophisticated laboratories that can adapt the modifications in technologies into the training we also need a workshop of our own.
- This requires more funding which is currently unavailable with us. Therefore, a fear of stagnation haunts us. If such constantly changing laboratories are unavailable then we fear that in due time the courses may lose their relevance. The course contents also need regular revision to include the non-stop changes in the technology.

➤ **CONTACT DETAILS**

THE PRINCIPAL

Asutosh College

92 Shyamaprasad Mookerjee Road

Kolkata 700026

Telephone (O) (033)24554504, 24863912, 24542371,

Fax: (033) 24863006

E mail: mail@asutoshcollege.in

Website: www.asutoshcollege.in

BEST PRACTICE II

TITLE OF THE PRACTICE

COMPLETE INDEGENOUS ONLINE ADMISSION PROCESS IMPLEMENTED BY ASUTOSH COLLEGE INFORMATION TECHNOLOGY (IT) SECTION (ACITS)

➤ **GOAL**

Admission is the most important component of an educational institution. The challenge for any premier educational institution lies in the successful planning, execution and successful implementation of the entire admission process. The in-house designing of the software for the complete online admission process to both undergraduate and postgraduate courses represents the institution's sincere effort to make the admission process hassle-free, less time-consuming with provisions for less error and smooth execution.

➤ **THE CONTEXT**

Though Asutosh College is situated in South Calcutta, it attracts students from all over the state, other states and even from neighbouring countries. The earlier manual method of admission process involving off-line application form distribution and submission needed huge manpower in distributing, receiving and sorting of forms followed by manual calculations, merit list preparation and publication, followed by admission form distribution, verification and admission. In our college where at present there are 26 Honours courses with 96 subject combinations, the number of applicants keep increasing from year to year, with 70000 applications being submitted in 2015. The whole process of admission if done manually would have taken more than a month to complete and handling the huge data, even to the best of one's capability would have led to unforced human errors. Realizing that a completely on-line admission process had to be introduced, Asutosh College was one of the first colleges in the state to implement it from the session 2010-11.

However, the uniqueness of the Online System of Admission of Asutosh College lies in the fact that when most other colleges outsourced the process of online Admission to some agency, the college developed its own software for the purpose. The authorities correctly felt that outsourcing of the process of online admission might raise questions regarding the transparency of the process, as the college would have little or no knowledge about the functioning of the entire process, which in turn would question the credibility of the institute.

As a result, the authorities resolved to set up a separate Asutosh College Information Technology Section (ACITS). Under the leadership of the Principal Dr Dipak Kumar Kar and

planning and sincere efforts of Prof. Gautam Mahapatra, Head of Computer Science department of Asutosh College, the ACITS was set up, which developed indigenous software and data management programmes for admission and other needs of the institute.

➤ **THE PRACTICE**

Partial Online Admission Process was initiated since 2010-2011 session when the applicants were also allowed to download the application form from the college website along with the traditional offline process of collecting forms from the college.

In the next session 2012-13 online as well as manual submission was allowed. By gradual phasing out of the manual process complete online admission was initiated from the session 2013-14.

- As soon as the results of different +2 examinations are published, all admission related notifications are uploaded in the college website, www.asutoshcollege.in including minimum requirements, seat numbers, fees and important dates.
- The students need to submit the form online with all necessary information.
- Applicants also need deposit the requisite application fees to the selected bank using online system generated bank voucher with fixed account number and account name.
- The system confirms the submission of the application form through SMS and email. The applicant can also check the status of the application through the unique ID number generated by the system during submission of online application.
- Application forms are processed and merit lists are prepared by the ACITS developed software and different category-wise merit lists are published and uploaded in the website within 24 hours of the last date of submission.
- Selected candidates willing to take admission should generate admission forms and respective bank voucher(s) from the college website again by entering the unique application ID.
- Verification of original documents is then done by the college authorities and deposition of requisite fees has to be done at selected bank through bank voucher(s), e-challans.
- The online system registers the name of the student and generates College Roll No and identity card immediately after admission so that the student can join classes and all other academic activities.

➤ **EVIDENCE OF SUCCESS**

The Online Admission process and the online system developed by the ACITS has been a great success as is evident from the following observations:

- The process has increased the number of applicants from distant area and other states substantially.
- The college has been able to handle more than 70000 applications efficiently without any waste of manpower, time and revenue.
- The process has become error-proof as all data is handled and the process till merit list publication is done by the system with no requirement of human input.
- The process has become transparent as the lists can be checked online with details by all applicants.
- The college is one of the very few colleges in the state with complete online admission process and perhaps the only college in the state which has developed the system software indigenously for online admission instead of outsourcing the process.

➤ **OBSTACLES FACED AND OVERCOME**

There were some reservations initially, about turning the all-important Admission Process completely online. It was argued, not without some justification, that students in remote areas did not have access to the internet and hence it would not be advisable to turn the entire admission process online. However, it was decided in several meetings, both with the staff and the student representatives that if helpdesk facilities could be introduced in the college, from where students could fill up online forms with the help of the authorities it would be as good as collecting and submitting the admission form from the college. Again the college authorities made ample arrangements for email and call support for any queries and clarifications. Moreover, it was argued that, if the students could come to the college to collect and submit forms, they could also move to any cyber-cafe in the city to access the internet.

The basic resource required was the regular maintenance and upgrading of the college website and maintenance of the online admission system.

It was taken care of efficiently by members of ACITS without any need for outsourcing or help from any agencies.

The Help Desks were made available and maintained by the teachers, non-teaching staff and students of the college.

Round the clock Helpdesk facility on mobile phone was maintained by members of ACITS along with some non-teaching members of the college.

Two banks where the students can deposit fees located near the college are also involved in the process. Separate counters and extended banking hour facilities have been provided for hassle-free admission.

Contract has also been made with a government sector bank so that applicants can submit the application fees to any branch of the bank. In 2013 and 2014, United Bank of India had been given the said contract.

➤ **NOTE**

Asutosh College Information Technology Section (ACITS) is also involved with other system and software development for other college related developmental work, including:

- Maintenance of College Website www.asutoshcollege.in
- Asutosh College On-line Student Management System
- Asutosh College On-line Library Management System – www.accskol.in
- Asutosh College Controller of Examinations System (implemented partly)
- Asutosh College Administration System (implemented partly)

➤ **CONTACT DETAILS**

THE PRINCIPAL

Asutosh College

92, Shyamaprasad Mookerjee Road,
Kolkata – 700026

Telephone (O) (033)24554504, 24863912, 24542371,

Fax: (033) 24863006

E mail: mail@asutoshcollege.in

Website: www.asutoshcollege.in

Fax: (033) 24863006



Independence Day Celebrations by NCC Unit

CONTENTS

PAGE NO.

SECTION C

• Profile of the Principal	398-403
• Evaluative Reports of the Departments	
▪ Humanities	
➤ Bengali	404-418
➤ Communicative English	419-427
➤ English	428-440
➤ Hindi	441-445
➤ History	446-459
➤ Journalism and Mass Communication	460-476
➤ Philosophy	477-488
➤ Political Science	489-500
➤ Sanskrit	501-508
➤ Sociology	509-513
▪ Science	
➤ Biochemistry	514-523
➤ Botany	524-541
➤ Chemistry	542-562
➤ Computer Science	563-575
➤ Economics	576-586
➤ Electronics	587-597
➤ Environmental Studies	598-601
➤ Environmental Science	602-620
➤ Geography	621-643
➤ Geology	644-660
➤ Industrial Fish and Fisheries	661-668
➤ Mathematics	669-682
➤ Microbiology	683-696
➤ Physics	697-717
➤ Psychology	718-734
➤ Statistics	735-753
➤ Zoology	754-769
▪ Management Studies	
➤ Bachelor of Business Administration	770-782
▪ Others	
➤ B. Voc.	783-792
➤ Community College	793-802

▪ **Enclosures**

- Declaration by the Principal
- Compliance Certificate
- UGC approval of 12f/2B
- Letter of Affiliation – University of Calcutta, Vidyasagar University
- Grant Certificates
- NAAC Certificate
- NAAC Peer Team Report
- NAAC Revisit letter

DEPARTMENTAL INPUT



PROFILE OF THE PRINCIPAL

DR. DIPAK KUMAR KAR

M.Sc. (Cal.), Ph.D. (Cal.)

Principal, Asutosh College, Kolkata

1. Administrative Experience

Institution/ Organization	Designation	Period
The West Bengal College Service Commission	Chairperson	Since 31.12.2014
Asutosh College	Principal	2009-2014; 2014-till date
Asutosh College	Secretary, Governing Body	2009-2014; 2014-till date
Asutosh College Training Centre	Chairman	2009-2014; 2014-till date
Asutosh College	Bursar	2006-2009
Asutosh College	Head of the Dept. of Botany & Microbiology	(1998-2009) & (2003- 2009)

2. Teaching Experience

UG: 31 years (Dec. 1984 till date) in Botany (Hons. & General)

10 years in Microbiology (Hons. & General) at Asutosh College

PG: 10 years in Botany, Environmental Science, and Zoology, Asutosh College

Institution	Designation	Period
Vidyasagar College, Kolkata	Lecturer	15.12.1984-28.11.1985
Asutosh College, Kolkata	Lecturer	29.11.1985-28.11.1990
	Senior Lecturer	29.11.1990-28.11.1998
	Reader	29.11.1998-31.12.2005
	Associate Professor	01.01.2006-12.01.2009

3. Research Experience

Area of Specialization: **Cytogenetics, Plant-breeding and Tissue Culture**

Doctoral and Post-doctoral research experience: **10 years**

Title of Doctoral Dissertation: **Chromosome Study, *in vitro* growth and study of Secondary Metabolites in *Asparagus* and other genera.**

4. Publications

a. Books

- *Cytology and Genetics* (2004), Narosa Publishing House Pvt. Ltd., New Delhi & Alpha Science International Ltd., Harrow, U.K.(2006). **This book has been translated into Chinese and published by the National Publication Foundation, China, in 2012.**
- *Plant Breeding and Biometry* (2006), New Central Book Agency, Kolkata.
- *A Handbook of Plant Biosynthetic Pathways* (2008), New Central Book Agency, Kolkata.
- *Cell Biology, Genetics and Molecular Biology* (2008), New Central Book Agency, Kolkata.
- *Plant Breeding, Biometry, Biotechnology* (2010), New Central Book Agency, Kolkata.
- *Text Book on Biological Science (Vols.I&II)* (2005), Prayas, Kolkata.
- *Text Book on Biological Science* (1985), Central Publishing Concern, Kolkata.
- *Guided Model Test Papers in Biology*, English & Bengali Versions, (1987), Central Book Publishers, Kolkata.

b. Articles in edited Volumes and Journals

- Chromosomal changes in speciation of *Asparagus*; Acta Biologica Cracoviensia, Series:Botanica, Vol.XXIX (1987), pp 31-34.

- Content of Sapogenins in diploid, tetraploid and hexaploid *Asparagus*; International Journal of Crude Drug Research, 24-3(1986), pp131-136.
- Sapogenins at different ploidy levels of *Asparagus*; Curr. Sci: 55-4 (1986), p198.
- Propagation of *Asparagus racemosus* through tissue culture: Plant Cell, Tissue and Organ Culture: 5-1(1985), pp89-95.
- Chromosome characteristics of *Asparagus*–sapogenin yielding plant: Cytologia: 50-1(1985), pp147-155.
- Effect of hormone on chromosome behavior in callus culture of *Asparagus*: Biologia Plantarum:27-1 (1985), pp6-9.
- Effect of gamma irradiation on callus tissues of *Asparagus racemosus*: Nucleus: 28-1&2 (1985), pp52-55.
- Sapogenin content in different populations and at different growth phases of *Asparagus racemosus*: Acta Botanica Indica:13-2(1985), pp139-142.
- Sarsasapogenin in callus culture of *Asparagus racemosus*: Curr.Sci:54-12(1985), p585.
- Organogenesis of diploid *Asparagus racemosus* through callus culture: Proceedings of INSA:B50-1(1984).
- *Smilax zeylanica*-a new source of diosgenin: Curr. Sci.:53-12(1984), p661.
- A correlation between sapogenin content and ploidy level in the genus *Asparagus*: Cell and Chromosome Research:7-1(1984), pp10-15.
- *In vitro* synthesis of sapogenin in *Asparagus racemosus* Willd.: Proceedings of the National Symposium on Applied Biotechnology of Medicinal, Aromatic and Timber yielding plants, (1984), pp62-69.
- Initiation, maintenance and cytological study of the callus of *Asparagus racemosus*: Cell and Chromosome Research; 5-2(1982), pp57-61.

c. Published Abstracts of the Papers Presented at Symposia/ Conferences

- *In vitro* chromosomal variation in *Asparagus* and rapid propagation:National symposium on Recent Advances in plant cell and tissue culture of economically important plants, Hyderabad (1986), 45.
- Analysis of sapogenin in different species of *Asparagus* belonging to different ploidy levels: Fifth International Society of Horticultural Science Symposium on medicinal, aromatic and spice plants, Darjeeling(1985), B13:15.
- Cytology, Phytochemistry and Tissue Culture of *Asparagus* -a sapogenin source: Proceedings of 72nd session of Indian Science Congress, Lucknow (1985), PartXVII, Section VI, p229.
- Potential of *Asparagus* as source of sapogenin: The Journal of the Indian Botanical Society,63(supplement), Seventh All India Botanical Conference, Jaipur(1984), VIII-2781.

- Rapid multiplication of *Asparagus racemosus* under *in vitro* State: International Symposium on Genetic Manipulation of Crops, Beijing, China(1984), 84.
- Chromosomal changes in speciation of *Asparagus*: Fifth All India Congress of Cytology and Genetics, Bhubaneswar (1984), C4.6,67.
- *In vitro* synthesis of sarsapogenin in *Asparagus racemosus* Willd: National Symposium on Applied Biotechnology of medicinal, aromatic and timber yielding plants, Kolkata(1984), E2,12.
- Quantitation of sarsapogenin in different populations and in different growth phases of *Asparagus racemosus*: Proceedings of 71st Indian Science Congress, Ranchi(1984) III, 144.
- Rapid vegetative propagation of *Asparagus racemosus* through tissue culture: Sixth All India Botanical Conference, Bhubaneswar(1983), VI-41, 43.
- Morphogenesis in relation to chromosomal constitution in some medicinally important Monocots, XV International Congress of Genetics, New Delhi (1983), II-1205, 666.

Seminars and Conferences

a. Attended

- 71st Session of the Indian Science Congress, Ranchi, 1984.
- National Symposium on Applied Biotechnology of Medicinal, Aromatic and Timber-yielding Plants, Kolkata, 1984.
- Recent Developments in Cytogenetics, Kolkata, 1984.
- Fifth All India Congress of Cytology and Genetics, Bhubaneswar, 1984.
- 72nd Session of the Indian Science Congress, Lucknow, 1985.
- Fifth International Society of Horticultural Science Symposium on Medicinal, Aromatic and Spice Plants, Darjeeling, 1985.
- International Symposium on Genetic Manipulation in Crops, Beijing, China, 1984.
- Sixth International *Asparagus* Symposium, Canada, 1985.
- Instructional Workshop – Perspective in Chromosome Research, Kolkata, 1985.
- Eighth All India Botanical Conference, Hyderabad, 1985.
- National Symposium on Recent Advances in Plant Cell and Tissue culture of Economically Important Plants, Hyderabad, 1986.
- International Symposium on Chromosome Research: From Microscope to Molecule, Kolkata, 1990.
- Alien Gene Transfer in Plants, Kolkata, 2001.
- Plant Biotechnology: Past, Present and Future, Kolkata, 2002.

- Birth Centenary Celebration of Prof. Pauling, Prof. Bernal and Prof. Needham, Kolkata, 2002.
- Technology-enabled Teaching and Learning, Bangalore, 2003.
- Sustainable Development: Looking Back and Looking Ahead, Kolkata, 2004.
- Classical Cytogenetics and Modern Biotechnology, Kolkata, 2005.
- Green Chemistry and Environment, Kolkata, 2006.
- Workshop on Bioinformatics in Genomics and proteomics, IIT, Kharagpur, 2006.
- Plant Biotechnology and its Relevance to Food Security, Kolkata, 2008.

b. Organized

- Recent Advances in Botany, Department of Botany, Calcutta University, 1990.
- Environmental Impact Assessment, Sivatosh Mookerjee Science Centre, Kolkata, 1997.
- Mathematics of Biomolecules and Biological Processes, Sivatosh Mookerjee Science Centre, Kolkata, 1999.
- Review of the Undergraduate Syllabus in Botany, Presidency College, 2001.
- Biodiversity Conservation: Indian Perspective, Asutosh College, Kolkata, 2002.
- Lecture Series for Undergraduate Honours students, Asutosh College, Kolkata, 2003.
- Workshop on Undergraduate Practical Syllabus (B.Sc Hons.) of Calcutta University, 2005.
- Recent Trends in Plant Science, Asutosh College, Kolkata, 2005.
- Winter School on Plant Chromosome Technique and Biometry, Presidency College, 2006.
- Review of the Undergraduate Syllabus in Botany, Calcutta University, 2006.
- Winter School on Plant Chromosomes and Biomolecules, Presidency College, Kolkata, 2007.
- Workshop on Theoretical Syllabus of CU B.Sc. Hons. and General (1+1+1 system), Kolkata, 2008.
- 150th Birth Anniversaries of Acharya p. C. Ray (2010), Tagore (2011), Swami Vivekananda (2012), Sir Asutosh Mookerjee (2013), Asutosh College, Kolkata.
- National Knowledge Commission and its Impact on Higher Education, Kolkata, 2009.
- Refresher Course for Principals, Kolkata, 2009 & 2014.
- West Bengal Education Commission – Interface Meeting, Kolkata, 2013.
- General Education in Undergraduate Course : A Perspective, Kolkata, 2013.
- Career-oriented Add-on Courses at the UG level, Asutosh College, Kolkata, 2013.
- Community College and Skill Development, Asutosh College, Kolkata, 2014.
- Capacity Building and Academic Administration, Kolkata, 2015.

Resource Person in Orientation Programmes and Refresher Courses organized by Academic Staff Colleges (HRDC):

- Higher Education in the General Stream: What India needs
- Skill development Initiatives in Higher Education
- Strategic Plan for Leadership in Higher Education
- Model Roles and Responsibility of College Teachers
- Accreditation by NAAC: Some Basic Concepts
- Augmenting Learning Resources and Leveraging Teaching-Learning
- Education: Philosophy of Sir Asutosh

5. University Examinership/ Papersetting

Papersetter, Moderator, Examiner/ Head Examiner of B.Sc. (Hons. & General) Parts I, II, and III Examinations of Calcutta University: 1990-2012.

6. Membership of Scientific Societies/ Academic Bodies/ Professional Organizations

- All Bengal Principals' Council (General Secretary)
- Merchant Chamber of Commerce-Academic Standing Committee (Executive Member)
- West Bengal State Council of Higher Education
- West Bengal School Service Commission
- Member of Syndicate (C.U.)/Executive Council/Court of all Affiliating Universities of W.B.
- Undergraduate Board of Studies(C.U.)
- PG Expert Committee(C.U.)
- Governing Bodies of Naba Ballygunge Mahavidyalaya; Syamaprasad College; Diamond Harbour Fakir Chand College
- IQAC, Jogamaya Devi College
- Indian Science Congress
- Indian Botanical Society
- International Association for Plant Tissue Culture
- The Society for Advancement of Botany
- Association for Cell and Chromosome Research

7. Awards and Recognition

- *Ananya Samman*, conferred by Calcutta University, 2015.
- *Fellow 2015*, awarded by the International Benevolent Research Foundation, Kolkata.
- *Smarak Samman*, from Vidyasagar College, 2015.

EVALUATIVE REPORTS OF THE DEPARTMENTS



HUMANITIES



EVALUATIVE REPORT

DEPARTMENT OF BENGALI

1.	Name of the department:	BENGALI		
2.	Year of Establishment:	UG:1916 PG: 2011		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG B.A. (Honours) B.A. (General) PG M.A(Self –Financing)		
4.	Names of Interdisciplinary courses and the departments/ units involved	English. Sanskrit, Comparative Literature.		
5.	Annual/ semester/ choice based credit system (programme wise)	UG: Annual System as per University of Calcutta Norms. Evaluation by Midterm and Selection Exams PG: Semester System as per University of Calcutta curriculum		
6.	Participation of the department in the courses offered by other departments	NIL		
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor	0	0
		Associate Professor	3	2
		Assistant Professor	3	2

ASUTOSH COLLEGE SSR 2015

		CWTT		2	0	
		PTT		2	1	
		Guest teacher		5	5	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualifi- cation	Designation	Specialization	No. of Years of Exp.	No. of PhD students
Krishna Basu		M.A	Associate Professor	Tagore Literature	22	-
Dr. Chandramalli Sengupta		Ph.D	Associate Professor	Mythology, Drama, Comparative Literature, Folklore	19	Post Doc: 1 Ph.D: 2
Bhaskar Mridha		M.A	Assistant Professor	Modern Literature	14	-
Dr. Manas Kabi		Ph.D	Assistant Professor	Old & Medieval Literature, Novel & short stories	9	Ph.D: 1
Uttiyo Basu		M.Phil	CWTT	Tagore Literature & Short Stories	3 months	
Sudip Mandal		M.A	PTT	Drama	1	-
Dr. Anjushree Bhattacharya (Retd.)		Ph.D	Associate Professor	Novel, Short Story, Linguistics, Literary Theory, Drama	28 years (Retd in 2013)	-
Dr. Papiya Jaiswal/ (Resigned)		Ph.D	CWTT	Modern Indian Comparative Literature	1 year 6 months	-
Anandamoy Bhattacharya (Resigned)		M.Phil	CWTT	Drama, Comparative World Literature, Literary Theory, Medieval Literature	2 year 6 months	-
Dr. Swarupa Bandyopadhyay (Resigned)		Ph.D	Assistant Professor	Medieval Literature Poetry	8 month	
List of Guest Teachers:						
1. Sangita Ghosh (UG & PG/ Guest Faculty/Asutosh College)						
2. Samanwita Das (UG/Guest Faculty/Asutosh College)						

11.	List of senior visiting faculty 1. Prof Pinakesh Chandra Ssarkar (Ex Prof. JU) 2. Prof Satyabati Giri (ExProf. JU) 3. Dr. Sanat Kumar Naskar (Professor /CU) 4. Dr. Suchorita Banerjee (Professor /CU) 5. Dr. Jayanti Bhattacharya (Professor /CU) 6. Dr. Sampa Sarkar (Assoc.Prof./ Srirampur Girls’ College) 7. Sri. Abdul Kafi (Asst. Prof/JU) 8. Sri. Subhendu Dasmunshi (Asst Prof/ PG Bengali Dept/Basirhaat College, Member, Editorial Board, Bangla Academi/Govt of WB) 9. Sri.Rajiv Chaudhuri (Asst Prof. St.Xaviers’ College) 10. Sri Pradip Ranjan Sengupta (Retd Prof Behala College & Guest Faculty RBU)			
12	Percentage of lectures delivered by temporary faculty	UG 15% PG 40%		
13.	Student -Teacher Ratio (programme wise)	Session	UG (1+2+3 yrs)	PG (1+2)
		2011-12	24:1	5:1
		2012-13	26:1	10:1
		2013-14	30:1	6:1
		2014-15	33:1	6:1
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED	FILLED
		Group-C	2	2
		Group-D	1	1
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 2 MPhil: 2 PG: 5		
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	1. UGC/MRP: Krishna Basu- “Swadhinotapurba Bangla SahityerItihaaseMohilaSahityik der Porichoy,SahityaSristi o Abadan: Sandhan O SamikshaVittikPorjalochona” (ongoing) 2. UGC/MRP : BhaskarMridha – “ Bangla Sahitya-somalochonayBhinnoBidyacharcharaabadan: EktiSamikshaVittikPorjalochona” (ongoing) 3. UGC/MRP : Dr.ManasKabi : “ Udvid, Prani O Jibananda Das er Kobita : Sandhan, Niriksha o ektiNotun path” (Completed) 4.ICSSR/ Post Doc/ Supervisor Dr. Chandramalli Sengupta/ Researcher: Dr. Mausumi Majumdar : “ Myth, Symbol & Language in Sri. Aurobindo’s SAVITRI: Vision of Life,		

		Death & the Cosmos” (Submitted)												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC: 3 Total grants received: Rs. <u>7,77,400/-</u> (Seven lakhs seventy thousand & four hundred only) ICSSR :1 Total grants received: Rs. <u>7,20,000/-</u> (Seven lakhs twenty thousand only)												
18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
Faculty		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Krishna Basu		2												
Dr. Chandramalli Sengupta		47	2	2		3	5		1					
Bhaskar Mridha		2												
Dr. Manas Kabi		3					5	2						
Uttiyo Basu		2												
Sudip Mondal		7												
Dr. Anjushree Bhattacharya		2							1					
Dr. Papia Jaiswal		4							3					
Anandamoy Bhattacharya		30	6				4							
PUBLICATION LIST : IN ANNEXURE I														

20.	Areas of consultancy and income generated:	NIL
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.	
	a) National Committees	Krishna Basu: Life Member /The Asiatic Society –Kolkata Chandramalli Sengupta: Life Member/The Asiatic Society, Kolkata and Bangiya Sahitya Parishad, Kolkata
	b) International Committees	NIL
	c) Editorial Board	NIL
22.	Student projects	
a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	NIL
c)	Fellow Doing Post Doctoral research under ICSSR	One
23.	Awards/ Recognitions received by faculty and students:	
	AWARD BY STUDENTS	
	1. Rajkumar Singha	Sathi Menon Memorial Scholarship 2012
	2. Bikram Das	Stood 1 st Class 1 st in B.A. Hons Final Exam. 2013 2013
	3. Sayani Mukherjee	1 st in MA Final Nandagopal Sengupta Memorial Prize 2013
	4. Soumyamita Mukherjee	Stood 1 st Class 1 st in B.A. Hons Final Exam 2014 2014
	5. Arijit Bhowmik	1 st in MA Final Nandagopal Sengupta Memorial Prize 2014
	6. Swarnali Dutta	1 st in MA Final Nandagopal Sengupta Memorial Prize 2015
	7. Bithi Dutta	Stood 1 st Class 1 st in B.A. Hons Final Exam 2015 2015
24.	List of eminent academicians and scientists/ visitors to the department:	

	<ol style="list-style-type: none"> 1. Prof. Pabitra Sarkar (Ex-VC/ RBU) 2. Prof. Pinakesh Chandra Sarkar (Ex-Prof/ JU) 3. Prof. Sumita Chakraborty (Ex-Dean of Arts & Najrul Islam Chair Professor/ Burdwan Univ) 4. Prof. Satyabati Giri (Ex-Prof/ JU) 5. Prof. Chhanda Roy (Ex-Prof/CU) 6. Prof. Soumitra Basu (Sisir Bhaduri Chair Professor/ RBU) 7. Prof. Amit Bhattacharya (Professor & Head/ CIL Dept/ CU) 8. Prof. Pallab Sengupta (Ex-Ishwar Vidyasagar Chair Professor/ RBU, (then)President- The Asiatic Society Kolkata) 9. Prof. Bimal Kumar Mukherjee (Ex-Dean of Arts & Ramtanu Lahiri Chair Professor/CU) 10. Prof. Chidananda Bhattacharya (Ex-Dean of Arts & Professor/ RBU) 11. Prof. Sampa Chaudhuri (Professor/JU) 12. Prof. Sudip Basu (Prof and Head Department of Bengali Visva Bharati) 13. Dr Munmun Gangopadhyay (Director and Associate Professor/ Rabindracharcha Kendra/RabindraBharati University) 	
25.	Seminars/ Conferences/ Workshops organized & the source of funding	
	State :	<p>State Level seminar funded by UGC on the occasion of 150th Birth Anniversary of Rabindranath Tagore, 5 & 6 September 2012</p> <p>Inaugurated by Prof. Suranjan Das / VC-CU</p> <p>Keynote, Chairpersons/Speakers:</p> <ul style="list-style-type: none"> • Smt. Bani Basu (Eminent Author) • Prof. Pabitra Sarkar (Ex-VC/ RBU) • Prof. Pallab Sengupta (Ex Vidyasagar Chair Professor, RBU/ (then)President/ The Asiatic Society-Kolkata) • Prof. Susnato Das (Professor/RBU) • Dr. Chandramalli Sengupta (Assoc. Prof/Asutosh College) • Abdul Kafi (Asst. Prof/ JU) • Subhamoy Mondal (Eminent Author) • Audio-Visual Presentation by Students

				2.Centenary Lecture Series March-May 2016 (ongoing) : “ Bangalir Sahityo-Sanskriti) ” <ul style="list-style-type: none">• Dr.Shreela Basu (Assoc.Prof Visva Bharati)• Sri Arunendu Bandyopadhyay (Architect,Painter, Environmentalist & Tagore Researcher)• Prof.Sanjay Mukherjee (Professor,Film Studies, Jadavpur University)• Sri.Bibhas Chakraborty (Eminent theatre director)• Sri.Prochet Gupta (Eminent novelist & Journalist)• Sri.Debjit Bandyopadhyay (Eminent music researcher & singer) <u>3. Spl. Extension Lectures in PG Course:</u> <ul style="list-style-type: none">• Arunendu Banerjee (Architect, Painter,Environmentalist & Tagore Researcher)• Dr.Basanti Mukherjee (Retd. Prof in Bengali/ Asutosh College)• Suman Mukhopadhyay (Eminent theatre & Film Director)• Prof.Kalyani Shankar Ghatak (Ex-Prof/ KU)• Prof.Bikash Midday (Prof/ RBU)• Prof. Sraboni Pal (Prof/ RBU)• Dr. Debalina Seth (Assoc. Prof/ RBU)• Dr.Rafikul Hossain (Asst. Prof/ CU)• Prof. Achintya Biswas (Ex-VC/ GourBanga Univ, Prof/ JU)			
	National:			NIL			
	International:			NIL			
26.	Student profile programme/ course wise:						
	Name of the Programme: B.A. with BENGALI (Honours) (UG)						
	Year	Applicat	Selected	Enrolled	Year	Pass	No. 1st

		Rcvd		M	F		%	Class
	2015-16	2665	104	37	67	2015-16	98	4
	2104-15	1865	80	27	53	2104-15	100	3
	2013-14	1222	90	39	51	2013-14	100	2
	2012-13	1036	71	26	45	2012-13	100	1
	NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year							
	RESULT: M.A. IN BENGALI(PG)							
	YEAR		APPEARED		PASSED		FIRST CLASS	
	2015		61		61		59	
	2014		54		54		54	
	2013		54		53		40	
27.	Diversity of Students							
	Name of the Course: : B.A. with BENGALI (Honours) (UG)							
	Year		% of Students from the same state		% of students from other States		% of students from abroad	
	2015-16		100		-		-	
	2104-15		100		-		-	
	2013-14		100		-		-	
	2012-13		100		-		-	
28	How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil services, Defence services, etc. No. students qualifying NET/SET : 10 (avg 2-3 per year) No. students qualifying SSC : 20 (avg 7-8 per year)							
29.	Student progression:							
	Student Progression				Against % enrolled			
	UG to PG				80			
	PG to M.Phil				30			
	PG to Ph.D				05			
	Employed							
	Campus Selection							
	Other than campus recruitment				25			
	Entrepreneurship/Self Employment							
30.	Details of Infrastructural facilities							
	(a) Library: UG Central Library: 2927 books Seminar Library: 886 books Reading Library: 193 books PG Seminar and Central Library: 596 books							

(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below: Laptop: 1 Desktop: 2 LCD : in 1 PG classroom		
CONFIGURATION		NUMBER
Laptop Pentium ® Dual Core CPU T4200 @ 2.00 GHz 2GB RAM, 500 GB HDD Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.		1
Desktop CRT Monitor; cabinet; keyboard; mouse; speakers; printer; Intel core i3 3.2 GHz processor; 500 GB HDD; 4 GB RAM		
(c) Class rooms with ICT facility: One LCD in PG Classroom		
(d) Laboratories: NA		
31.	Number of students receiving financial assistance from college, university, government or other agencies	<ul style="list-style-type: none"> • College Assistance : In form of scholarship for PH students : 2 (Fund created by Mahua Menon's grant) • Some students receive Kanyashree Prakalpa (Data with College) • Govt. grant: Scholarship as single girl child : approx 2-3 /per year
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	<u>Spl. Extension Lectures in PG</u> <u>Course:</u> <ul style="list-style-type: none"> • Arunendu Banerjee (Architect, Environmentalist & Tagore Researcher) • Dr. Basanti Mukherjee (Retd. Prof in Bengali/ Asutosh College) • Suman Mukhopadhyay (Eminent theatre & Film Director) • Prof. Kalyani Shankar Ghatak (Ex-Prof/ KU) • Prof. Bikash Midday (Prof/ RBU)

		<ul style="list-style-type: none"> • Prof. Sraboni Pal (Prof/ RBU) • Dr. Debalina Seth (Assoc. Prof/ RBU) • Dr. Rafikul Hossain (Asst. Prof/ CU) • Prof. Achintya Biswas (Ex-VC/ Gour Banga Univ, Prof/ JU)
33	Teaching methods adopted to improve student learning:	
	<p>Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are:</p> <ul style="list-style-type: none"> ○ Audio Visual method ○ Special classes are regularly taken to address the problems of the weaker students. ○ One-to-one contact method with students for problem solving and answer correction. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	NAME	Social Responsibility (ISR) and Extension activities
	Krishna Basu :	<p>Paper Setter ,Examiner, Scrutineer, Coordinator of B.A. General Exam/ CU</p> <p>Examiner/ Netaji Subhas Open University</p> <p>Life Member /The Asiatic Society -Kolkata</p> <p>Joint Convenor of Cultural Subcommittee - Centenary Celebrations, Asutosh College,</p> <p>Chairperson, PG Expert Committee</p> <p>Seminar Participation : 6</p>
	Dr. Chandramalli Sengupta :	<p>Paper Setter ,Examiner, Scrutineer, Coordinator of B.A. Hons Exam/ CU</p> <p>Examiner, Paper Setter / Netaji Subhas Open University, Rabindra Bharati University, Public Service Commission</p> <p>Subject Expert in M.Phil Exam/ JU, Ph.D Exam/ Visva Bharati / St. Xavier's College</p> <p>PhD.Supervisor : Netaji Subhas Open Univ (Awarded /1), C.U.(ongoing/1),</p> <p>Post Doc Supervisor- ICSSR (ongoing/1)</p> <p>Member (2012-2014) PG-BOS/ Basirhaat College, Life Member/The Asiatic Society -Kolkata, Bangiya Sahitya Parishad</p> <p>Visiting Faculty in PG Course : JU,RBU,Netaji Open Univ, Basirhaat College, Naba Ballygunje Mahavidyalaya, Jogamaya Devi College.</p>

		Project- in-charge , Centenary Building Interior Project, Joint Convenor of Cultural Subcommittee- Centenary Celebrations, Asutosh College, Member - Editorial Board, Teachers' Council Journal Seminar Participation as Resource person/ Paper Presenter : 5 Trainer: SAM Workshops (Academic Management Course)/ Eastern Zone under CBWHME project UG Observer: NET/UGC, Central TET/ CBSE / Central JEE
	Bhaskar Mridha	Examiner /CU Member, IQAC committee Convenor, College Beautification Committee- Centenary Celebrations, Asutosh College
	Dr. Manas Kabi	Examiner: CU, Netaji Open Univ, Basirhaat College Ph.D Supervisor/ CU Visiting Faculty in PG Course: Netaji Open Univ, Basirhaat College Convenor, Felicitation Committee- Centenary Celebrations, Asutosh College Convenor, PG Expert Committee Seminar Participation: 4
	Sudip Mondal :	Examiner/CU Seminar participation : 7
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> o Qualified potential staff. o Availability of technology aid in the classrooms. o Satisfactory computational facilities. o Staffs are interested in research activities and secure grant-in-aid from funding agencies o Results of the students are satisfactory. o Having both UG & PG Courses of Studies which ensure a rounded academic growth of the department.
	Weaknesses:	<ul style="list-style-type: none"> o Student: Teacher ratio is not sufficient to cope-up the day-to-day academic affairs. o Individual Teacher's room for academic & confidential administrative work lacking o Autonomy in UG Fund for Research o Need for Reading room for enabling students to utilize libraries better

Opportunities:	<ul style="list-style-type: none"> ○ Having PG Section gives a scope of further expansion of higher studies in the form of introducing M.Phil courses & full-fledged research unit in the Dept. ○ Interaction with students from diverse backgrounds-cultural,socio-economic, academic, regional-which is an enriching experience
Challenges:	<ul style="list-style-type: none"> ○ Co-ordinating UG & PG sections and ensuring best possible outcome of the students' performance in Final Exams/Semesters.
Future plans:	<ul style="list-style-type: none"> ○ To have a full-fledged Research Unit in the Department. ○ Arrange interactive sessions/workshops with teachers/researches/students of other institutions

ANNEXURE: DEPARTMENT OF BENGALI

ANNEXURE I :LIST OF PUBLICATION BY FACULTY:

CHANDRAMALLI SENGUPTA:

Articles/papers (1995-2016)

- **Various topics (Mythology, Psychology, Sociology, Western & Sanskrit Literature)**

1. Pitamohoder Kahini o Amader mon :Padokhep 1995)
2. Jol-Mythpuran :Loksanskriti Gabesona Patrika-2002
3. Labonkatha : Loksanskriti Gabesona Patrika 2003
4. Raktamyth-Moullobhabnar Akar : Loksanskriti Gabesona Patrika -2003
5. Myth o Mythoskria-Ekti kabitar prekshite : Rabindrabharati Universty Patrika (1994-95)
6. Durga-the mythic derivations :The Asian Age Sharodiya 2011
7. Creation-Myth of the Bleeding Tree- A Field study from Chilapata Forest:
Seminar nibandhaboli/Loksahitya bisoyak alochana Chakra 2008
8. Mythchorcha:podhhoti o proyog :Pouraniki Sharodiya Sankha- 1996
9. Puran-pathik Kalkut : Padokhep 2001
10. Mansa kathar Adhunik Bhasya- Boichitrer nana matra :Loksanskriti Gobesona Patrika 2009
11. A Jiban purno karo dohandane : Loksanskriti Gabesona Patrika -2010
12. Latin Americar kanthoswar-Marquezer Ekti Uponyas
Rabindrabharati Biswabidyalay/Bangla Bivagiopatrika 1994
13. Sudraker Mrichhakatik-Ekaler Drishtite – Sharodiya Sanskritik- 2002
14. Krishnakoli kare Boli-William Shakespeare 450 bisassankha-Ekus sotak-2015
15. Joaar-Bhatar khide:The Hungry tide “Sundarban” Kathasahitya Bisesh Sankhya /

Samokaler Jionkathi 2011

16. Marqueezer ekti uponyaser niriksha :Marquez Bises sankhya-Nandan-2014
17. Jibonanander Prakiti Chetonar Nijjosota o Shakespearo probhab:
Sharodiya Gourbhumi 1994
18. Rupkatha banam Rupoli Parda- Kichubhabna-Asutosh College Chhatrasansad patrika 2001
19. Crises in bengali culture/DELF/Asutosh College Teachers' Council/ 2005
20. From Nemai to Chaitanya: The Making of a Social Leader -The Land of Dance (Vol II)
: Centre for studies in Dance forms of Bengali, Rabindra Bharati Univ 2009
21. Hindu na ora Muslim?Jijnaase kon jon? :Bondor/Sharodsankha/1414
22. Biswaoner bigyapan: bigyapaner biswo: Padokkhep 2003
23. Nari o samajik mullobodh:Amader sahityer Anginay : Sarat Smaranika-2008
24. Jibonanander kabitay monostotto o porabastobata :Freud Bises sankhya/ Ebong Musayara 2014 (National)

• Bengali Literature

25. Jibanananda o Banglar Lokpuran : Kabikantho/Jibanananda Bisas Sankhya,2001
26. Hindu o Muslim Devata –birodh-samonwayer Kahini :Sharodia Sangramik- 1999
27. Chand-Manasar golpo-Bibortoner adhunikota : Sharodia Sangramik 2001
28. Hindutwer grase lokayoto- ekti anusandhan : Barnoparichay 2015
29. Itihasmala o William Careyr loksanskriti chorchha: Chotuskon-Sharodiya/2014
30. Chitrokalper khoje Jibonananda : Karnik Sharodiya -1999
31. Tarashankar- myther naba rupokar : Tarashankar shotoborsho Sankhya- Loksanskriti Gabeshana Patrika 1998
32. Daini –ekti byatikromi srishti : Golpogucchho –Tarashankar Janmo shotoborso Sankhya-1999
33. Itihaser sanket o Bibhutibhusan : Yubomanas-1994
34. Tiner tolowar-ekti porjalochona :Bangla Bivagio Patrika,Rabindrabharati University 1997
35. Goddakar KaminiRoy – Ekti niriksha : Sahityiki 2014 (ISSN)
36. Chelemanusi chharea -Saradindur Kishore Sahitya :Sandhikal o Padokshep 2000
37. Dampotyer dui diganta: Joibo o Chhatra : Narendranath Mitra Shatabarsha sankhya /Padakshep 2015

• Rabindranath Tagore

38. Mahabharata and Tagore's dancedrama : Mahabharata & Classical Dance/
The Asiatic Society 2005 (National)
- 39.Lok samkritir Darpane Rabindra Nrityanatya: Loksanskriti Gabeshana Patrika
Rabindra Sardho Satabarsha Sankhya 2011
40. Rabindra bhabnay Nari o ajkar Narimukti andolon : Asutosh College Chhatra sangsad Potrika 2010
41. Ekti Rabindra galper antarbikshon: Rabindranath 150 Bises sankhya/ nandan 2010
42. Rabindranather natok- boichitrer binyas : Bangla Bivagio Potrika : Sree Sikshayatan College 2010
43. Rabindra gaaner Bhuvan :150 Rabindra Smaran – Sahityiki/ bangle Gabeshona sangsad-
Bangla Bivag Rajsahi University Bangladesh 2013 (International)
44. Kachher manush Rabindranath : Bhasa sahityopatra/ Bangla Bibhag/ Jahangir nagar University
Bangladesh 2014 (International)
- 45.Baul Oitijhyo o Robithakurer gaan : Utsab/ Bangla Bivag/ Jadavpur University 2015

46. Rabindranath ebom Nirala : Ek Nirikshan : Lahak Patrika 2016 (ISSN)
47. Spirituality & Universality- Tagore's Perspective : (in press) (ISSN)
Centenary Journal Asutosh College Teacher's Council Journal 2016

• Book Chapters

- 1.Chand Manasar Puranbritto : Lokpuran o Saanskriti 1995
2. Lokpuran : Bangiyo Loksamkritikosh 1995
- 3.Banglakobitay Myther Bhabna : Prabandha Sanchayan 1997
- 4.Mythchorchay Sudhindranath o Buddhadeb : protip o bipratip : Sudhindranath/ Jibon o Sahityo 2002
5. Protidhwanir Kobita- onubaade, srijane: Sudhindranath /Shatobarsher alo chhaya: 2005 (Dhaka / National)
- 6.Teesta-rangiter tribeni/ mythkatha bonam bastobota : Loksamskriti Chorchar methodology 2007 (National)
- 7.Eugene Ionesco:-Shatobarsher Paryalochona:-Paschimbanga Ganatantrik Lekhok Shilpi Sangha 2014
- 8.Deshbivag o Bangla Uponyas : Burdwan University Patrika 2000
- 9.Adhyapok Khsetra Gupta : Chiropother Songi 2007
- 10.Ulukpuran: Lok kathar Barnamala 2014
- 11.Kanyer Kahini- Naginir, Baghinir : Tarashankar-Alokito Digboloy/ RabindraBharati University 1999
12. Shahjad Firdaus er uponyas- naba nirikshan : Banglasahitye loukik upadan/ Vidyasagar College 2014 (National)
13. Chhnera Taar : Netaji Subhas Open University Distance Education PG Course Module 1999
14. Myth in Bengali Literature : Encyclopaedia of Indian Literature/ Sahitya Academy 2015 (National)

• Books

1. Adhunik Bharatiya Chhotogalpo : Netaji Subhas Open University Distance Education PG Course Module 2000
2. Meghnadbaddh Kabyo: Samogrik Mulyaon: WestBengal State University Distance Education PG Course Module 2016
3. MythPuraner Bhanga Gorha (Enlarged 2nd Edition) : Putak Bipani 2015 (ISBN)

Uttiyo Basu

- 1.Subodh Ghoser chhotogalpo – Archetyper angike (ISSN) : Samay Tomake 2012
- 2.Akpo dudh – Narendranath Mitra (ISBN) : Ujaagar 2012
- 3.Dwipendranath bandyopadhyaya-bismritopraye kathakobid (ISSN) : Obhimukh 2015

Sudip Mondal

1. Bangla natok o banoful: parjalochanar aloke. ISBN no- 978-93-83016-61-7, Pragya Bikash Publication.

2. Mohit chattopadhyay-er tinti natok o bisyayan prosongo. ISSN no- 2394-1278, Ditsa Publication.
3. Prabhat ranjan sarkarer natoker bhuban: ekti anusandhan. ISBN no- 978-81-92-9523, Neo Publication.
4. Barnomala amar dukhini barnomala: jege thak bhasa kobitar gane. ISBN no-978-81-929523-5-2, Neo Publication.

DEPARTMENT OF COMMUNICATIVE ENGLISH

1.	Name of the department:	COMMUNICATIVE ENGLISH	
2.	Year of Establishment:	2003	
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (MAJOR)	
4.	Names of Interdisciplinary courses and the departments/ units involved	NIL	
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University of Calcutta Norms	
6.	Participation of the department in the courses offered by other departments		
	COURSE	FACULTY	PARTICIPATION AS
	MA in Linguistics, Jadavpur University Certificate in Linguistics, Jadavpur University	Dr. Anil Kumar Chand	Teaching/ Examination
	UGC Add-on course Travel and Tourism	Dr. Anil Kumar Chand	Teaching/ Examination
	B. Voc	Dr. Anil Kumar Chand	Teaching/ Examination
	P.G. English, Vidyasagar University, DDE, Asutosh college	Dr. Anil Kumar Chand	Teaching/ Examination
	ENVS Studies	Dr. Anil Kumar Chand	Teaching
	B.Voc	Tripurari Baksi	Teaching/ Examination
	P.G. English, Vidyasagar University, DDE, Asutosh college	Tripurari Baksi	Teaching

ASUTOSH COLLEGE SSR 2015

7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL				
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL				
9.	Number of Teaching posts sanctioned and filled			Sanctioned	Filled	
		Professor		-	-	
		Associate Professor		-	-	
		Assistant Professor		-	-	
		CWTT		2	2	
		PTT		1	1	
		Guest Lecturer		1	1	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Design	Specialization	No. of Years of Exp.	No. of PhD guided
Dr. Anil Kumar Chand		MA (English), MA (Linguistics), Ph.D	CWTT	English Language Teaching (ELT), Linguistics	15	-
Sanchita Bhattacharya		MA (English)	CWTT	English Language Teaching (ELT)	15	-
Tripurari Baksi		MA (English), MA (English Language Teaching)	PTT	English Language Teaching (ELT)	08	-
Nivedita Bachhar		MA(English) M.Phil	Guest Lecturer	English Language Teaching (ELT)	03	
11.	List of senior visiting faculty	NIL				

12	Percentage of lectures delivered by temporary faculty	13%	
13.	Student -Teacher Ratio (programme wise)	Session	UG
		2011-12	27:1
		2012-13	28:1
		2013-14	32:1
		2014-15	42:1
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	FILLED
		Attendant	1
15.	Qualifications of teaching faculty with D.Sc./Ph.D./MPhil/PG	PhD :1 PG: 2	
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL	
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL	
18.	Research Centre/ facility recognized by the University	NIL	
19	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index		

	a	b1	b2	c	d	e	f	g	h	i	j	k	l
Dr. Anil Kumar Chand	1												
Sanchita Bhattacharya	1												
Tripurari Baksi								5					
LIST OF PUBLICATION: ELT classroom: Dr. Anil Kumar Chand: COMMUNIQUE, no.4,2014 Recent trends in language change: Sanchita Bhattacharya: COMMUNIQUE no.4,2014 Departmental Journal COMMUNIQUE is regularly published. Tripurari Baksi 1. Sabuj Dweeper Sangbadik published by Dey Publications, 13, Bankim Chatterjee Street, Kolkata – 700073 (ISBN: 978-93-81679-59-3) 2011 2. Pakhir Dunia published by Dey Publications, 13, Bankim Chatterjee Street, Kolkata – 700073 (ISBN: 978-93-81679-67-8) 2014 3. Kity Nengter Imandari published by Dey Publications, 13, Bankim Chatterjee Street, Kolkata – 700073 (ISBN: 978-93-81679-62-3) 2014 4. Sab Vut Advut published by Banglar Mukh Prakashan, Bankimpally (Purba), Madhyamgram, Kolkata – 700129 (ISBN: 978-93-84108-07-06) 2014 5. Avijatrik published by Banglar Mukh Prakashan, Bankimpally (Purba), Madhyamgram, Kolkata – 700129 (ISBN: 978-81-921186-2-8) 2012													
20.	Areas of consultancy and income generated:		NIL										
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.												
	a) National Committees		NIL										
	b) International Committees		NIL										
	c) Editorial Board		NIL										
22.	Student projects												
a)	Percentage of students who have done in-house projects including inter departmental/ programme		All the students performed their projects as part of the curriculum.										
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies		100% students are sent to do their project in - The Statesman, TOI, 24 Ghanta, Kolkata TV, Power FM, Radio One, AIR, CNN-IBN, IBN-7, Ogilvy Mather etc.										
23.	Awards/ Recognitions received by faculty and students:												
	AWARD RECEIVED BY STUDENTSANNEXURE II												

24.	List of eminent academicians and scientists/ visitors to the department:						
	i. Mr. Sujoy Prashad Chatterjee - Eminent elocutionist ii. Mr. Keshav Pradhan -Regional Editor, Times of India iii. Mr. Atanu Saha – Assistant Professor, Jadavpur University iv. Mr. Pranab Kumar Chatterjee – AIR, Assistant Director v. Prof. Ashok Ogra, Director, Apeejay Institute of Mass Communication, New Delhi						
25.	Seminars/ Conferences/ Workshops organized & the source of funding						
	a) National:		“Emerging Paradigm in English Language, Media and Communication” on 10-9-2014. Scope of higher studies in Mass Communication and media on 12.9.2014 in collaboration with Journalism and Mass communication				
	b) International:		NIL				
26.	Student profile programme/ course wise:						
	Name of the Programme: B.A. with COMMUNICATIVE ENGLISH (Major) (UG)						
Year	Applicatn Received	Selected	Enrolled		Year	Pass %	No of 1 st Class
			M	F			
2015-16	599	82	32	50	2015-16	100%	53
2014-15	436	81	33	48	2014-15	100%	25 (2 ND)
2013-14	341	75	27	48	2013-14	100%	07 (2 ND)
2012-13	358	64	35	29	2012-13	100%	23
NB: Admission Record of 1 st Year and Pass Percentage of outgoing 3 rd year							

27.	Diversity of Students		
Name of the Course: : B.A. with COMMUNICATIVE ENGLISH (MAJOR) (UG)			
Year	% of Students from the same state	% of students from other States	% of students from abroad
2015-16	98%	2%	NIL
2014-15	94%	6%	NIL
2013-14	98%	1%	1%
2012-13	100%	NIL	NIL
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? Being a UG department data is not readily available. As the subject has an applied aspect most students get recruited either in campus recruitment or outside campus.		
29.	Student progression:		
Student progression		Against % enrolled	
UG to PG		No information available	
PG to M.Phil.		No information available	
PG to Ph.D.		No information available	
Employed			
Campus selection		5%	
Other than campus recruitment		80%	
Entrepreneurship/ Self-employment		15%	
30.	Details of Infrastructural facilities		
	(a) Library: The Seminar Library has text books as well as reference books. It is used by the faculties and the students. Central Library 134 books. Seminar Library 133 books.		
	(b) Internet facilities for Staff & Students: Available. Details of computer facility are given below		

CONFIGURATION		NUMBER
DESKTOP: Intel core 2 Duo, Processor 2.8 GHz, RAM 1 GB, DDR 2 667 RAM (Zion), 250GB HDD		1
LAPTOP: DELL Inspiron 3520		1
(c) Class rooms with ICT facility: AVAILABLE		
(d) Laboratories: Modern Language Laboratory with all facilities. There are 18 laptops and a teacher PC with multi-media facility in the Language Laboratory. The Language Laboratory is an important tool in Language Teaching. It provides a platform for the learners to achieve high level of proficiency in any language.		
31.	Number of students receiving financial assistance from college, university, government or other agencies	Some students receive free and half free studentship from the college.
32	Details on student enrichment programmes(special lectures/workshops/ seminar) with external experts	<p>A special lecture was delivered by eminent elocutionist Sujoy Prasad Chatterjee on “Oral Communication Skills” on 3-12-2013</p> <p>A special lecture was delivered by eminent Media Educator Prof. Ashok Ogra, Director, Apeejay Institute of Mass Communication, New Delhi on “Creativity, Innovation and Careers in Media on 16/02/2016</p>
33	Teaching methods adopted to improve student learning:	
	Communicative Language Teaching methodology (CLT) focuses on interactive teaching. The basic premise of the methodology is based on bi-directional teaching. The teacher is the facilitator and learners participate in all activities.	

34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	Name	Social Responsibility (ISR) and Extension activities
	Dr. Anil Kumar Chand	M.A. (Linguistics) and certificate course in Linguistics, School of Languages, Jadavpur University (Teaching and Evaluation)
		M.A. English teaching in Netaji Subhas open University, Kolkata
		M.A. teaching in English Language at Netaji Subhas Open University
		M.A (English), DDE, Vidyasagar University, Medinipore (Teaching and Evaluation)
		Participated in workshop on ‘Myriad milieu and folklore in Rabindranath Tagore’s creations’ held at the Asiatic society, Kolkata.

		Participated in UGC sponsored seminar on 'Vivekananda: The Nation Builder'. Organised by Asutosh college Kolkata.
	Prof. Sanchita Bhattacharya	<p>Presented paper in 12th international conference on 'Vector and vector borne diseases' in Udaipur. Organised By National Academy of Vector borne diseases. Name of the paper: Perspectives of Information, Education and Communication (IEC) for Communicable Disease Management (Abstract no. 7-0-4 Page 140)</p> <p>Gave lecture in international seminar on 'Infectious diseases and vector' organised by Malahayati University, Indonesia.</p> <p>Presented paper on Studies on the Knowledge, Attitude and Practice (KAP) of the People about Dengue in Kolkata and Adjoining Areas. Published in Proceedings of the Brain Storming Conference of Dengue Scenario in India, ICMR, Madurai, 2013 (Pages 209-213)</p>
35	SWOC analysis of the department and Future plans	
	Strengths:	<p>To develop the communicative skill</p> <p>To develop the language skills, Listening, Speaking, Reading and Writing</p> <p>To improve the pronunciation</p> <p>To improve the grammatical skill</p> <p>To improve the skill in GD & PI</p>
	Weaknesses:	The current syllabus should be revised and made more professional.
	Opportunities:	Students are professionally trained to get jobs in corporate and other sectors.
	Challenges:	More Smart classrooms are needed for better interaction
	Future plans:	To organize special invited lectures, workshops, seminars etc.

LIST OF PUBLICATION BY TEACHERS:

ANNEXUREI: DEPARTMENT OF COMMUNICATIVE ENGLISH

AWARD RECEIVED BY STUDENTS

NAME	AWARD	SESSION
Faizan Khurshid	Award Received from University of Calcutta	2013-2014
Faizan Khurshid	IIHM	2012
Faizan Khurshid	Loreto college in Music / Singing	2011
Mathew D. Wilkin's	NSHM/TECHNO INDIA/CIEM/ AIMK/ CBS/ University of Calcutta/ Loreto College Lady Brabourne College	2011-2015
Karandeep Singh	Award received from NRSMC & H in singing	2014
Riya Ghosh	Award from Goenka College, Loreto College In creative writing and social service	2014
Prerona Sengupta	Nripesh Chandra Guha memorial prize Martyr Animesh Chowdhury Memorial prize Punyalekha Banerjee Memorial Prize	2013-2014
Ashmita Dey Chowdhury	Highest Marks in B.A Test Exam. (1st)	2012-2013
Aritra Mukherjee	Highest Marks in B.A Test Exam.(2nd)	2012-2013

ANNEXUREII: DEPARTMENT OF COMMUNICATIVE ENGLISH

SOME RENOWNED ALUMNI MEMBERS OF THE DEPARTMENT

NAME	PRESENT POSITION
R-R Kaushik Varun	Power FM (RJ and Anchor)
Faizaan Khurshid	Singer and Band member
Ayan Pathak	Cinematographer
Abhijit Chatterjee	Journalist
Pritha Sen	Google Executive
Nandini Ganguly	News X
Biraj Mandal	State Bank of India
Priyanka Sinha	British Council Executive

EVALUATIVE REPORT

DEPARTMENT OF ENGLISH

1.	Name of the department:	ENGLISH				
2.	Year of Establishment:	IA: 1916 UG (General): 1918 UG (Honours): 1920				
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG Programmes: B.A. (Honours) B.A. (General) PG Programme: M.A. (Distance Mode)				
4.	Names of Interdisciplinary courses and the departments/ units involved	NIL				
5.	Annual/ semester/ choice based credit system (programme wise)	Undergraduate: Annual System as per University of Calcutta norms				
6.	Participation of the department in the courses offered by other departments	Smt. Raikamal Dasgupta was Guest Faculty, paper setter and examiner in the PG dept of Bengali, (2011-14).				
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL				
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL				
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled		
		Professor	-	-		
		Associate Professor	3	3		
		Assistant Professor	2	1		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Raikamal Dasgupta		M.A.	Associate Professor	Modern European Classics and Tagore	34	
Paromita		Ph.D	Associate	English	19	

Chaudhuri		Professor	Language		
Sraboni Roy	Ph.D	Associate Professor	Romantic Poetry	19	
Ashis Sahu	M.Phil.	Assistant Professor	African Drama	6	
Rishiraj Pal	M. A.	Guest Lecturer 2014	-	1	
11.	List of senior visiting faculty	NIL			
12	Percentage of lectures delivered by temporary faculty	10% (In The Previous Session, 2014-15)			
13.	Student -Teacher Ratio (programme wise)	Session	UG	PG	
		2011-12	29:1	N.A.	
		2012-13	19:1	N.A.	
		2013-14	27:1	N.A.	
		2014-15	18:1	N.A.	
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	NIL			
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PG: 1 M.Phil.: 1 Ph.D.: 2			
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL			
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL			
18.	Research Centre/ facility recognized by the University	NIL			

19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
RaikamalDasgupta		7	4				4							
Sraboni Roy		5	4				1							
Rishiraj Pal		3	2				1							
LIST OF PUBLICATIONS: ANNEXURE I														
20.	Areas of consultancy and income generated:				Visual Arts, Philosophy, High School Level English teaching : Honorarium Received by the concerned teacher.									
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a)National Committees				NIL									
	b) International Committees				NIL									
	c) Editorial Board				Smt. Raikamal Dasgupta: Bulletin of the <i>NiveditaVrati Sangha, Vidyar Sarathi</i> Dr. Sraboni Roy: Newsletter of the <i>Centre for Studies in Romantic Literature</i> (CSRL)									
22.	Student projects													
a)	Percentage of students who have done in-house projects including inter departmental/ programme				NIL									
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies				NIL									
23.	Awards/ Recognitions received by faculty and students:													

LIST OF AWARDS ANNEXURE II
24. List of eminent academicians and scientists/ visitors to the department:

1. Dr. Argha Banerjee, Faculty of Arts, St. Xavier's College (September).
2. Prof. Kushal A. Biswas, Associate Professor of English, Woman's Christian College 2015.
3. Debayan Basu (Assistant Prof. Mahisadal Raj College) and Subhajoy Roy (Principal Correspondent, The Telegraph, Kolkata) : December 2015
4. Dr Ralla Guha Neogi : Associate Professor, Basanti Devi College, Kolkata :January 2016.

25. Seminars/ Conferences/ Workshops organized & the source of funding

Date	Topic	Sponsored/Funding
19.01.2011	UGC- sponsored state level seminar on <i>Children's Literature</i> (in collaboration with Sushil Kar College)	UGC
12.12.2012	UGC-sponsored state level seminar on <i>Swami Vivekananda</i> (in collaboration with Dept. of Sociology, Asutosh College and Depts of English and Sociology, Jogamaya Devi College)	UGC
12.09.2014	<i>Scope of Higher Studies in Mass Communication and Media</i> organised by Dept of Journalism and Mass Comm. in collaboration with the Depts of English and Communicative English.	Asutosh College
29.01.2016	' <i>Macbeth</i> ' (in collaboration with Basanti Devi College and Women Christian College)	Asutosh College
04.02.2016	' <i>The Secret Sharer</i> ' Students' Paper Reading Session (in collaboration with Women's Christian College and New Alipore College) sponsored by Women's Christian College.	

26. Student profile programme/ course wise:
Name of the Programme: BA with ENGLISH (Honours) (UG)

Year	Applications Received	Selected	Enrolled		Year	Pass %	No of 1 st Class
			M	F			
2015-16	8070	163	65	98	2015-16	100%	NIL
2014-15	7541	177	71	106	2014-15	100%	NIL
2013-14	5993	164	73	91	2013-14	95%	1
2012-13	4598	109	30	79	2012-13	100%	NIL

NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year

27.	Diversity of Students					
Name of the Course: : BA with ENGLISH (Honours) (UG)						
	Year	% of Students from the same state	% of students from other States		% of students from abroad	
	2015-16	96%	4%		NIL	
	2014-15	92%	8%		NIL	
	2013-14	95%	4%		1%	
	2012-13	97%	3%		NIL	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? <ul style="list-style-type: none">• In the last five years at least two students: Nivedita Bachar (2010 Batch) and Saumyadeep Bhattacharya (2012 Batch) have qualified in NET. Exact data is not available,• One student graduating in 2002 qualified and joined the Indian Administrative Service (IAS).• One student graduating in 2010 qualified and joined W.B.C.S.• Two students graduating in 2003 and 2004 joined the Indian Army.					
29.	Student progression:					
		2011	2012	2013	2014	2015
	UG to PG	17	1	25	20	
	PG to M.Phil.	1	1	3		
	PG to Ph.D.		3			
	Ph.D. to Post-Doctoral					
	Employed <ul style="list-style-type: none">•Campus selection•Other than campus recruitment	5% to 10%				
	Entrepreneurship/Self-employment					
30.	Details of Infrastructural facilities					
	(a) Library: 1169 books in the Central Library 64 books in Reading room Library 657 books in the Departmental Library.					
	(b) Internet facilities for Staff & Students: Laptop: 1, Printer: 1, Scanner: 1 Pentium ® Dual Core CPU T4200 @ 2.00 GHz 2GB RAM, 500 GB HDD Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi, LCD Projector, Screen with Tripod.					
	(c) Class rooms with ICT facility: NIL					
	(d) Laboratories: NIL					

ASUTOSH COLLEGE SSR 2015

31.	Number of students receiving financial assistance from college, university, government or other agencies	Anish Das (2015-2018) received “Manjish Sarkar Scholarship” A number of students receive free and half free studentship from college.	
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:		
	19.12.2013	Children’s Literature and Nonsense Literature, (Students’ Seminar)	Asutosh College
	10.11.2014	Screening of a documentary film on <i>Beowulf</i> , followed by discussion.	Asutosh College
	10.04.2015	<i>Post-Modernism</i> - Extension lecture given by Prof. Siddhartha Kar, Associate Professor of Sociology, Asutosh College.	Asutosh College
	04.09.2015	Students’ Paper-reading Session and Discussion.	Asutosh College
	01.10.2015	Screening of <i>My Fair Lady</i> , film based on Shaw’s <i>Pygmalion</i> ; Discussion. Litbate - Literary debate on the motion	Asutosh College
	05.10.2015	“The house believes that today’s youth are of the opinion that poetry has lost its relevance.”	Asutosh College
	10.12.2015	Screening of ‘A Midsummer Night’s Dream’ (Prescribed text in the syllabus)	Asutosh College
		19.12.2015	Screening of ‘Riders to the Sun’ (Prescribed text in the syllabus)
33	Teaching methods adopted to improve student learning:		
	<ul style="list-style-type: none">• Screening of Documentaries and films related to literary texts.• Students’ Seminar (paper reading session by students).• Classroom debate.• Text book library for needy students.• Parent- teacher meeting• Literary quiz.		
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:		
	Name	Institutional Social Responsibility (ISR) and Extension activities	
	Smt. Raikamal Dasgupta	Examiner (CU, St. Xavier’s College, PSC) Paper-setter (St. Xavier’s College, PSC)	

		<ul style="list-style-type: none"> Actively involved in the activities of two NGOs committed to social upliftment, the <i>Nivedita Vrati Sangha</i> and the <i>Centre for Sustained Support</i>. Resource Person at the Special Summer School organized by the UGC- Academic Staff College, Calcutta University, on 'Art and Aesthetics in Indian Culture and Literature' for college and university teachers, in July, 2012.
	Dr. Paromita Chaudhuri	<p>Paper-setter (CU), Examiner (CU, Shri Shikshayatan College)</p> <ul style="list-style-type: none"> Associated with the Braille Press Unit (Baruipur) of the <i>Blind Persons' Association</i>, Selimpur-Dhakuria, where she volunteers her services as a proof-reader for the final proof-reading of Braille texts pertaining to Humanities prior to publication. Conducted two workshops on Philology for the English (Hons.) students of Vivekananda College for Women, Barisha, Kolkata, in 2010 and 2014. Participants and contributors in the Question Bank Project on English Language and Comprehension conducted by the Staff Selection Commission (Eastern Region) in June and August, 2012.
	Dr. Sraboni Roy	<p>Head-examiner (CU) Moderator (St. Xavier's College) Examiner (CU, St. Xavier's College, Shri Shikshayatan College) Paper-setter (CU, St. Xavier's College)</p> <ul style="list-style-type: none"> Conducted two workshops on Philology for the English (Hons.) students of Vivekananda College for Women, Barisha, Kolkata, in 2010 and 2014. Participants and contributors in the Question Bank Project on English Language and Comprehension conducted by the Staff Selection Commission (Eastern Region) in June and August, 2012. Delivered two lectures on 19th century English Romantic poetry as part of the Extension Lectures programme of Ramakrishna Sarada Mission Vivekananda Vidyabhaban, in January, 2012, and December, 2014. Resource Person at the workshops organized for Graduate Trained Teachers of English in Kendriya Vidyalayas, in June and December, 2014.

		<ul style="list-style-type: none"> Part of the Executive Committee and Editorial Board of the Centre for Studies in Romantic Literature (CSRL).
	Ashis Sahu	Examiner (CU, PSC)
35	SWOC analysis of the department and Future plans	
	<i>Strengths:</i>	<ul style="list-style-type: none"> This department receives the highest number of applications for admission at the UG level in the college. Nearly 10% of the total applicants for any year apply for English Honours. Rich and varied collection of books in the departmental library A Braille library for blind students. Substitution arranged for when a faculty member is on leave Above all the enthusiasm and sincerity of both students and staff that bind the department into a cohesive unit
	<i>Weaknesses:</i>	<ul style="list-style-type: none"> Student teacher ratio- inappropriate for a Humanities programme
	<i>Opportunities:</i>	<ul style="list-style-type: none"> Interaction with students from diverse backgrounds-cultural, socio-economic, academic, regional-which is an enriching experience.
	<i>Challenges:</i>	<ul style="list-style-type: none"> Reading/studying literature in classrooms with students, some of whom lack literary sense/acumen and often proper linguistic skills.
	<i>Future plans:</i>	<ul style="list-style-type: none"> Classrooms with audio-visual aids and relevant charts (time charts) and diagrams on display. Arrange interactive sessions/workshops with teachers/researches/students of other institutions

ANNEXURE I: DEPARTMENT OF ENGLISH

LIST OF PUBLICATION BY FACULTY:

RAIKAMAL DASGUPTA

1. “*The Religion of the Poets*” in **DISHA** - Journal of the Department of Philosophy, Women’s Christian College, Kolkata, 2013.
2. “*The Poet’s Religion: The Text and the American Context*” in **Rabindranath Tagore and America**, Indrani Halder & Susmita Basu (eds.), JUSAS, Feb., 2012.
3. “*Kobi Viivekananda*” [Vivekananda the Poet] in **Swami Vivekananda: Shardhoshatobarshiki**, Dr. Bandita Bhattacharya and Subhasis Choudhuri (eds.), Rakhalbeni, 2013.
4. “*Swami Vivekananda Samajbhabana*” [Swami Vivekananda’s thoughts on Society] in **Swami Vivekananda: Shardhoshatobarsher Aloye**, Rajatshuvro Majumdar (ed.), ISBN 978-81-295-1793-7, Dey’s Publishing, 2013.
5. “*Ajana Achena Nana Drishtikone*”, review of the book, **Light of Knowledge: Jyotibhushan Bhattacharya Commemoration Volume**, B. Maji (ed.), Radiance, Kolkata, 2013. Published in the Bengali Fortnightly **Desh**, 2 May, 2013, ABP Pub.
6. “*Swamijir Rashtrachinta*” [Swamiji’s Perception of the State] in **Janmashardhoshato barsher Shraddhanjali: Swami Vivekananda**, [Sesquicentennial Homage to Swami Vivekananda] Swami Chaitanyananda (ed.), Udbodhon Karyalaya (RK Mission), ISBN 978-81-8040-569-3.
7. *Raja Shajar Shaja* [The Idea of Kingship in Shakespeare] in *Shristir Ekushshatak* (monthly journal in Bengali), June, 2015.

SRABONI ROY

1. “*I grow a stranger to myself: Clare, Wordsworth, and the passing away of childhood*” in **Litscape**– Vidyasagar University English Teachers’ Consortium, Vol-7, No-1, 2012, ISSN 0976-9064
2. “*Of Clare, Keats and the season Autumn*” in **Symposium**–Journal of the Dept. Of English, St. Paul’s Cathedral Mission College, 2013, ISSN 2320-1452

RISHIRAJ PAL (GUEST TEACHER)

1. “‘*More sinned against than sinning:*’ *Justice in King Lear*” in **Yearly Shakespeare**, Goutam Ghoshal (ed.), 2015, vol-xiii. ISSN 0976-9536
2. “*Chutnification of History: Re-reading ‘Midnight’s Children’ through the lens of Deepa Mehta*” in **Literary Insight**, vol-6, 2015, ISSN 0975-6248
3. “*A Topsy-turvy World: Nonsense and the Politics of Humour*” in **Humour: Texts and Contexts**, S. V. Maduskar (ed.), New Man, 2015, ISBN 978-93-83871-55-1

PUBLICATIONS BY STUDENTS:

1. ‘Popular Culture and the “text” of organizing the masses’, Netaji Nagar College Journal of English Language and Literature (ISSN 23204109), 2013-2014 issue.
2. ‘Representation of Journey in forms: Satyajit Roy’s Apu Trilogy’, Netaji Nagar College Journal of English Language and Literature (ISSN 23204109) 2014-2015 issue.
3. ‘The concept of Death in Literature’-paper published in The Literary Jewels (2014)

ANNEXURE II: DEPARTMENT OF ENGLISH

AWARDS/RECOGNITIONS RECEIVED BY STUDENTS:

Year of Graduation	Awards/Recognitions
2011	<ul style="list-style-type: none"> • Saikat Moira was awarded the Nripesh Ch. Guha Memorial Prize for securing the highest marks (in the college) in the BA Final examinations. • Soumyadeep Bhattacharya, while a student in our college, he formed a musical band, JIGSAW, with other students of our department. • Shounak, the lead vocalist, is now based in Mumbai, working in Bollywood and doing independent music. They formed another band, Underground Authority. Wikipedia page: http://in.wikipedia.org/wiki/undergroundauthority in college • Soumyadeep founded a theatre group, <i>Hypocrites</i>, which produced two plays <i>In love?</i> (2012), & <i>Happily Unmarried</i> (2015).
2012	<ul style="list-style-type: none"> • K. Divya was awarded the Nripesh Ch. Guha Memorial prize for

	<p>standing first among college candidates in the BA Final examinations in English (Hons.).</p> <ul style="list-style-type: none"> • 12.01.2012: Students of the Dept. of English won the Inter-College quiz contest on Swami Vivekananda, at Vivekananda College, Thakurpukur. • Feb-2012: Team of students of the Dept. of English was runners-up at a literary quiz organized jointly by Women's Christian College and the English Study Centre • PradipSikdar a 3rdyr visually challenged student of English became director, Clavier Production (a band) and founded Designer Radio Bongonet
2013	<ul style="list-style-type: none"> • Anwita Ghosh was awarded the Nripesh Ch.Guha Memorial Prize for securing the highest marks (among the college candidates) in the BA Final examinations in English (Hons.). • Soumyadeep Bhattacharya was best bassist at International Rock Festival • December-2013: Our 3rdyr students Avik Chandra and ArbinSaha presented papers at a UGC-sponsored national seminar organized jointly by the Department of Bengali, J.U., and the Department of English, Netaji Nagar College, Kolkata. • <i>Social Criteria of Advertisements</i>(ArbinSaha) • <i>Popular Culture and the 'text' of organizing the masses</i> (Avik Chandra)
2014	<ul style="list-style-type: none"> • Sukanya Banerjee was awarded the Nripesh Ch.Guha Memorial prize for securing the highest marks (among college students) in the BA Final examinations in English (Hons.). • Avik Chandra's paper <i>Representation of Journey in Satyajit Ray's Apu Trilogy</i>, was published in the Netaji Nagar College Journal of English Language and Literature (ISSN-23204109), 2014-2015 issue • Avik Chandra read a paper on 'Representations of the world in contemporary literature and films' at a UGC-sponsored international seminar organized by the departments of English and History, Bhowanipore Education Society College, in collaboration with the Dept. of English,C.U. [16-17 December 2014] • TejeshVyasandPushpak Sen participated in <i>Samagam</i>(Loreto College) obtaining 3rd position in the street-play event (21 Nov) • Tejesh Vyas secured 3rd position in a debate organized by the Kolkata Day Students' Home (Sept.) speaking for the motion, <i>The house believes that there is an increase in the number of young offenders.</i> • Umang, Bhowanipore Education Society College: the Asutosh

	<p>College team with 1styr English (Hons) students obtained 3rd position in the debate contest.</p> <ul style="list-style-type: none"> • Tejesh Vyas and KalpitaWadher: 1st position in a debate organized by South Calcutta Girl's College (December) on the motion, <i>The house believes that attendance in colleges should be compulsory.</i> • Tejesh Vyas adjudged Best Speaker at the same event. • Tejesh Vyas and KalpitaWadher: 3rd position in Umang, Bhowanipur Education Society College (21 December) on the motion, <i>The house believes that struggle is necessary for success.</i> • Tejesh Vyas made and uploaded on You-tube a short film, <i>It's not about a poem.</i> • Tejesh Vyas: 1st position in debate organized by the MatribhasaRashtriyaShikshaSansthana at Maharani Kasiswari College (Sep), speaking against the motion, <i>The house believes that the study of Hindi is not necessary.</i> • Tejesh Vyas and KalpitaWadher(1styr English) :1st position in debate organized by the Bhowanipore Education Society College (21Nov). • Pushpak Sen and AnjanaKundu(1styr English) 2nd position in the event, Word play Taboo, at <i>Literaria</i>, organized at St. Xavier's College, (Sep.). • Pushpak Sen was part of the Asutosh College team which won the 1st prize in drama at Calcutta Medical College (Sep). • Kaleidoscope,Lady BrabourneCollege: 1st position, street play performed by students of different departments including the dept. of English. • Pushpak Sen, Tithi Dutta and Sahil Beck (1styr English): 1st position in Adspoo, South Calcutta Girls' College (9Dec) • Tejesh Vyas : 1st position in CU debate .The house believes in the existence of spirituality (speaking for the motion)
2015	<ul style="list-style-type: none"> • TejeshVyas: 1st position in Ramakrishna Mission Institute of culture Elocution contest, topic: "MayavatiAdvaitaAshrama" (9 Sep.) • Tejesh Vyas: 2nd position in the debate organized by Goenka College; speaking against the motion, <i>The Freedom of Speech gives one the right to offend</i> (29May). • Pushpak Sen directed a play performed by Team Asutosh College at <i>Rhapsody</i> (Calcutta Medical College Fest) which won the 2nd Prize. • Pushpak Sen was also adjudged <i>Best Director</i> at <i>Samagam</i> (Loreto College Fest) where his play performed by Team Asutosh College won the 2nd Prize.

	<ul style="list-style-type: none"> • Pooja Mukherjee, Rajdip Sarkar and Pushpak Sen won the 1st Prize in the event ‘Game of Minds’ and the 2nd Prize in the event ‘Ad-Spoof’ at <i>Rhapsody</i>. • Pushpak Sen, Pooja Mookherjee won the 2nd prize in the word play <i>Taboo</i>; Sitanshu Ghosh, the 2nd prize in Photography, Sumantra Baral, 2nd prize in Creative Writing at <i>Literaria2015</i>, organized by St. Xavier’s College. Asutosh College was declared overall Runners Up in the competition. • Atri Majumdar <ol style="list-style-type: none"> 1. ‘Shadow of Light’ (Power Publishers) 2 ‘Visible Infinity’ (Writers’ Workshop, 3 Poems published in literary Journals – The Brown Critique, Coffee Shop Poems (UK), Indiana Voice Journal (USA), Tree House Arts (USA), Poetry. Pacific (California), Madswirl, Oxford Literary Heart Talk, The Statesman. • Anush Ghosh, Akash Adhikary 1st prize in creative writing in ‘Communique’ organized by the Bhowanipur Education Society College in November 2015 • Tejesh Vyas, Kalpita Wadher 3rd in Debate in ‘Communique’ organized by the Bhowanipur Education Society College in November 2015 • Tejesh Vyas 3rd in Group Discussion in ‘Communique’ organized by the Bhowanipur Education Society College in November 2015
--	--

DISTINGUISHED ALUMNI

- Dr. Debiprasad Banerjee, Distinguished academician, & Retd. Professor of English, Kalyani University.
- Sri Sachindranath Bandyopadhyay (late), Eminent Writer.
- Sri Ujjwal Bose, Former Secretary, West Bengal Council of Higher Secondary Education.
- Sri Anjan Dutt, Eminent filmmaker, actor, and singer.
- Sri Binayak Bandyopadhyay, Eminent Bengali poet and novelist.
- Sri Rupam Islam, Singer and well-known rockstar (lead vocalist of the band **Fossils**).
- Sri Neel Dutt, Music director.
- Smt. Sohini Dasgupta, Classical dancer and filmmaker.

EVALUATIVE REPORT OF **THE DEPARTMENT OF HINDI**

1.	Name of the department:	HINDI		
2.	Year of Establishment:	1976		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (GENERAL)		
4.	Names of Interdisciplinary courses and the departments/ units involved	NIL		
5.	Annual/ semester/ choice based credit system (programme wise)	Annual system		
6.	Participation of the department in the courses offered by other departments	NIL		
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		-
		Associate Professor	-	-
		Assistant Professor	-	-

ASUTOSH COLLEGE SSR 2015

			Guest Teacher	1	1	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Madalasa Agarwal		M.A, B.ED, LLB.	Guest Teacher	Kavya	6 years+	Nil
11.	List of senior visiting faculty		NIL			
12	Percentage of lectures delivered by temporary faculty		100%			
13.	Student -Teacher Ratio (programme wise)		200:1 (Taught as General Subject)			
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled		NIL			
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG		PG - 1			
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:		NIL			
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.		NIL			
18.	Research Centre/ facility recognized by the University		NIL			

19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Madalasa Agarwal									1					
A collection of about 400 poems in Hindi, GITA – MARMA (A verse Translation of Srimad Bhagavat Gita) by Madalasa Agarwal														
20.	Areas of consultancy and income generated:			NIL										
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.								NIL					
22.	Student projects													
a)	Percentage of students who have done in-house projects including inter departmental/ programme			NIL										
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies			NIL										
23.	Awards/ Recognitions received by faculty and students:													
	Marwari Yuva Manch award for Translating the Bhagvat Gita into Hindi Verse								1997					

ASUTOSH COLLEGE SSR 2015

24.	List of eminent academicians and scientists/ visitors to the department:	NIL
25.	Seminars/ Conferences/ Workshops organized & the source of funding	
	a) National:	NIL
	b) International:	NIL
26.	Student profile programme/ course wise:	
	Name of the Programme: BA with Hindi (Compulsory Language) (UG)	
	Year	Applications Received
	Selected	Enrolled
	Pass Percentage	No of 1 st Class
	M	F
	NOT APPLICABLE AS TAUGHT AS GENERAL SUBJECT ONLY	
27.	Diversity of Students	
	Name of the Course: : BA with Hindi (Compulsory Language) (UG)	
	Year	% of Students from the same state
	% of students from other States	% of students from abroad
	NOT APPLICABLE AS TAUGHT AS GENERAL SUBJECT ONLY	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?	
	NOT APPLICABLE AS TAUGHT AS GENERAL SUBJECT ONLY	
29.	Student progression:	
	Student progression	Against % enrolled
	UG to PG	N.A.
	PG to M.Phil.	N.A.
	PG to Ph.D.	N.A.
	Employed	N.A.
	Campus selection	N.A.

ASUTOSH COLLEGE SSR 2015

Other than campus recruitment		N.A.
Entrepreneurship/ Self-employment		N.A.
30.	Details of Infrastructural facilities	
	(a) Library: Total no. of books 52	
	(b) Internet facilities for Staff & Students: Available : On line library catalogue	
	c) Class rooms with ICT facility: NIL	
	(d) Laboratories: N.A.	
31.	Number of students receiving financial assistance from college, university, government or other agencies	NIL
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	NIL
33	Teaching methods adopted to improve student learning: Interactive method of teaching. Emphasis given on good communicative skills.	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	Madalasa Agarwal	Examiner for CU Part I HINM
35	SWOC analysis of the department and Future plans: Taught as General Subject only.	

EVALUATIVE REPORT

DEPARTMENT OF HISTORY

1.	Name of the department:		HISTORY		
2.	Year of Establishment:		I.A. - 1916 B.A. (Pass) 1918 B.A. (Honours) 1933		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.		B.A. (Honours) B.A. (General) M.A. (Distance Mode)		
4.	Names of Interdisciplinary courses and the departments/ units involved		Add-on Course on Travel & Tourism (UGC)		
5.	Annual/ semester/ choice based credit system (programme wise)		Annual System as per University of Calcutta Norms		
6.	Participation of the department in the courses offered by other departments				
	COURSE	FACULTY		PARTICIPATION AS	
	UGC Add-on Course on Travel and Tourism	Mahasweta Das Sharma		Course Coordinator Teaching	
	Bengali (PG)	Tapti De		Teaching	
7.	Courses in collaboration with other universities, industries, foreign institutions etc.		NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons		NIL		
9.	Number of Teaching posts sanctioned and filled			Sanctioned	Filled
			Professor	-	-
			Associate Professor	2	2
			Assistant Professor	2	1
			Contractual Whole-Time Teacher	-	-
			Part-Time Teacher	2	2
			Guest Lecturer	2	2

ASUTOSH COLLEGE SSR 2015

10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Mahasweta Das Sharma		M.A.	Associate Professor	Modern History	31 Retd.	NIL
Tapti De		Ph.D.	Associate Professor	Modern History	18	NIL
Subhasri Ghosh		M.Phil. Ph.D.	Assistant Professor	Modern History	1	NIL
Sebanti Bandyopadhyay		M.Ed. M.Phil.	PTT (Approved)	Modern History	10	NIL
Saheed Hossain		M.A. B.Ed.	PTT	Ancient History	6	NIL
Tapoban Bhattacharyya		M.A.	Guest Lecturer	Modern History	4	NIL
Debdutta Chakraborty		M.A.	Guest Lecturer	Islamic History	4	NIL
11.	List of senior visiting faculty		Chittabrata Palit, Emeritus Professor, Dept. of History, Jadavpur University			
12	Percentage of lectures delivered by temporary faculty		8 % (approx.)			
13.	Student -Teacher Ratio (programme wise)		Session	UG		
			2011-12	28:1		
			2012-13	27:1		
			2013-14	26:1		
			2014-15	27:1		
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled		NIL			
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG		Ph.D.: 2 M.Phil.:1 PG: 4			
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:		NIL			
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.		NIL			

ASUTOSH COLLEGE SSR 2015

18.	Research Centre/ facility recognized by the University	NIL
-----	--	-----

19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Tapti Dey		2					2							
Subhasri Ghosh		11	3	4			4							
Debdutta Chakraborty		3					3							
PUBLICATIONS: ANNEXURE I ENCLOSED														
20.	Areas of consultancy and income generated:				NIL									
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a) National Committees	Name				Committee								
		Mahasweta Das Sharma				Asiatic Society, Life member Ramkrishna Mission, Life member Corpus Research Institute, Life member								
		Tapti De				Asiatic Society, Life member								

ASUTOSH COLLEGE SSR 2015

			Indian History Congress, Life Member
		Subhasri Ghosh	Indian History Congress, Life Member Ramkrishna Mission, Life member. Paschimbanga Itihas Samsad: Life member. Indian Association for Asia-Pacific Studies: Annual Member
	b) International Committees	NIL	
	c) Editorial Board	NIL	
22.	Student projects		
a)	Percentage of students who have done in-house projects including inter departmental/ programme		NIL
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies		NIL
23.	Awards/ Recognitions received by faculty and students:		
	AWARDS/ RECOGNITIONS RECEIVED BY STUDENTS: ANNEXURE II		
24.	List of eminent academicians and scientists/ visitors to the department:		
	Chittabrata Palit, Emeritus Professor, Dept. of History, Jadavpur University		
25.	Seminars/ Conferences/ Workshops organized & the source of funding		
	a) National:	NIL	
	b) International:	NIL	
26.	Student profile programme/ course wise:		
	Name of the Programme: BA with History (Honours) (UG)		

Year	Applicat ions Received	Selected	Enrolled		Year	Pass Percentage	No of 1 st Class
			M	F			
2015-16	1047	69	38	31	2015-16	95%	1
2014-15	769	70	38	32	2014-15	100%	1
2013-14	661	61	35	26	2013-14	100%	1
2012-13	569	86	48	38	2012-13	100%	NIL

NB: Admission Record of 1st Year and Pass Percentage of outgoing 3rd year.

27. Diversity of Students

Name of the Course: : BA with History (Honours) (UG)

Year	% of Students from the same state	% of students from other States	% of students from abroad
2015-16	99,5%	0.5%	NIL
2014-15	90%	10%	NIL
2013-14	93%	7%	NIL
2012-13	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Our college is an undergraduate institute. So, it is not applicable for our institution. However, ex-students of our institutions usually qualify NET, SET and GATE

Name of the Student	Name of the Examination	Year of Passing
Avirup Sinha	NET	2012 December
Tapoban Bhattacharya	NET & SET	2015
Sandip Pakhira	SET	
Srutirupa Goswami	NET	

29. Student progression:

Student progression	Against % enrolled
UG to PG	40 – 50% (per year approx.)
PG to M.Phil.	DATA NOT AVAILABLE

PG to Ph.D.	DATA NOT AVAILABLE
Employed	DATA NOT AVAILABLE
Campus selection	DATA NOT AVAILABLE
Other than campus recruitment	DATA NOT AVAILABLE
Entrepreneurship/ Self-employment	DATA NOT AVAILABLE
30.	Details of Infrastructural facilities
	<p>(a) Library: The department of History maintains an enriched Seminar Library available only to the students of History Hons. The Seminar Library currently contains 608 groups. The library is updated every year and new books are added according to the students' demands. The Central Library of the college provides books on different subjects to the students. The central library also provides the following journals on History : (i) Studies in History – Sage Publication, New Delhi (Bi Monthly) (02 Issue). (ii) The Indian Economic & Social History Review – Sage – Quarterly – 02 Issues.</p> <p>Seminar Library: 608 books Central Library: 1692 books Reading Library: 106 books</p>
	<p>(b) Internet facilities for Staff & Students: Shared with other Humanities Department</p>
	<p>(c) Class rooms with ICT facility: Shared with other Humanities Department</p>
	<p>(d) Laboratories: NA</p>
31.	<p>Number of students receiving financial assistance from college, university, government or other agencies</p> <p>From College</p>
32.	<p>Details of student enrichment programmes (special lectures/ workshops/ seminar) with external experts:</p> <p>C. B. Palit Lecture</p>
33.	<p>Teaching methods adopted to improve student learning:</p> <p>Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are:</p> <ul style="list-style-type: none"> ○ Special classes are regularly taken to address the problems of the weaker students. ○ One-to-one contact method with students for problem solving and answer correction. ○ Educational excursion every year in which students are taken to visit historical places.
34.	<p>Participation in Institutional Social Responsibility (ISR) and Extension activities:</p>

	Tapti De	Examiner, Paper-setter and Reveiwer (CU) in Hons. And General Papers of History
		Seminar Participated National – 2 International -1 Workshop participated- 2
	Mahasweta Das Sharma	Paper-setter Hons. And General of History (CU, and WBCS Mains Exam.)
		.Seminar Participated National – 4 International – 1 Workshop participated-1
	Subhashri Ghosh	Examiner and Reviewer of History Hons. And General Papers (CU)
		Seminar Participated/ paper presented National -5 International- 4
	Saheed Hossain	Examiner of Hons. and General papers of History (CU)
	Tapoban Bhattacharya	Examiner of Hons. and General papers of History (CU)
	Debdutta Chakraborty	Examiner of General papers of History (CU)

Student's Participation

A number of students from the Dept. of History participate in N.C.C. every year.

The dept. organizes an educational excursion every year in which students are taken to visit historical places to make them aware of the historical importance of those places in Indian History.

Year of Visit	Place of Visit
2014	Varanasi
2013	Chandraketugarh
2012	Rajgir, Nalanda, Bodhgaya, Pawapuri
2011	Delhi & Agra

35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> • Qualified potential staff. • Results of the students are satisfactory.
	Weaknesses:	<ul style="list-style-type: none"> • More space is needed to set up a separate reading room in the seminar library for the students of the department. • The department needs more academic staff and non-academic staff to ease the process of teaching learning. • More class rooms with ICT facility are required to improve the

		teaching learning process.
	<i>Opportunities:</i>	<ul style="list-style-type: none"> History, as a discipline, is a dialogue between the past, present and future. As a department, we are endowed with this rare opportunity to initiate and carry on this dialogue with students of diverse backgrounds
	<i>Challenges:</i>	<ul style="list-style-type: none"> Upgradation of the training to students for betterment of result in the university examinations. Encouraging the B.Sc. students to compete for admission to the premier institutions
	<i>Future plans:</i>	<ul style="list-style-type: none"> To develop our department as one of the best History Departments in the state of West Bengal. Would arrange more special classes, tutorial classes by implementation of state-of-the art teaching methods to stop drop-out and for 100% success of the students in the University examinations. Organising more seminars for the benefit of students. Enhancing the quality of reference materials by upgrading the Departmental Library.

ANNEXURE I : DEPARTMENT OF HISTORY

LIST OF PUBLICATION BY FACULTY:

Dr. Tapti De

- Several entries in Ranjan Chakrabarti ed. Dictionary of Historical Places. Bengal 1757-1947 (Primus Books, New Delhi 2013), ISBN 978-93-80607-41-2.
- Impact of Ideological Issues on the Psyche of the Bengali Muslims in the Colonial Period' in Shireen Maswood, Amit Dey, Ritwika Biswas ed. Between Tradition and Modernity; Aspects of Islam in South Asia (K.P. Bagchi and Company, Kolkata, 2011). ISBN978-81-7074-325-5.

Dr. Subhasri Ghosh

Articles in peer-reviewed journals:

- 'Representation of Forced Migrants: A Case Study of the East Bengali Migrants to West Bengal' Conserveries Memorielles, March 2013, ISSN 1718-5556 URL: <http://cm.revues.org/1490>

2. 'Locality and Partition: Nadia, 1947-1951' *History* Vol. XI, 2012, ISSN 81-87259-62-0, pp. 104-114
3. 'Population Movement in West Bengal: A Case-Study of Nadia District, 1947-1951' *South Asia Research*, July 2014, 34 (2), ISSN 0262-7280, pp. 113-132. IF: 0.26, h-Index: 8, SJR: 0.47.
4. 'Countering Marital Violence: Socio-Legal Reforms in Nineteenth Century Colonial India' in *Indian History*, Volume 1, January 2014, ISSN 2348-2850.

Chapters in Edited Volumes

1. 'Coming of Age in Colonial India: The Discourse and Debate over the Age of Consummation in Nineteenth Century' in Kristine Moruzi and Michelle J. Smith ed. *Colonial Girlhood in Literature, Culture and History, 1840-1950* (Palgrave Macmillan, 2014), ISBN 978-1-13735-634-5.
2. 'Forgotten Voices from the P.L. Camps' (co-author Debjani Sengupta) in Jasodhara Bagchi, Subhoranjan Dasgupta (ed), *The Trauma and the Triumph: Gender and Partition in Eastern India*, Volume II (Stree, Kolkata, 2009) ISBN 81-85604-98-3, pp. 199-222
3. 'The Refugees and the Government: A Saga of Self-Rehabilitation in West Bengal' in Daniel Coleman, Erin Goheen Glanville, Wafaa Hasan, and Agnes Kramer-Hamstra ed. *Countering Displacements: Creativity and Agency* (University of Alberta Press, Canada, 2012), ISBN 978-0-88864-592-0, pp. 152-176

Book Review -1

1. Review of Amrita Pande's book *Wombs in Labour: Transnational Commercial Surrogacy in India* in *Global Public Health* ISSN 1744-1692 (Print), 1744-1706 (Online), 10 (8), 2015.

Article in Conference Proceedings:

1. 'The Working of the Nehru-Liaquat Pact: A Case-Study of Nadia District, 1950' in *Proceeding Volume of the 68th Session of the Indian History Congress* (Indian Council of Historical Research, Delhi, 2008), pp. 853—862
2. 'Women's Protection of Law in Colonial India: A Case-Study of the Special Marriage Act, 1872' in *Proceedings Volume of National Conference on Law and Justice, 2013* (Auro University, Surat, 2013), ISBN 13:978-81-928189-0-0, pp. 250-258

Debdutta Chakraborty

1. Chakraborty, Debdutta "Sir Asutosh Mookerjee and the early days of the Calcutta Mathematical Society", Chaki, Balai (ed.), Commemoration: 150th Birth Anniversary of Sir Ashutosh Mookherjee, Calcutta Mathematical Society, Kolkata. 2013.
2. Chakraborty, Debdutta "Sir Asutosh Mookerjee – as seen by his grandson Purnendu Kumar Banerjee", Bhaduri, Dr. Reena (ed.), Asutosh Vidyar Sarathi, Asutosh College and Asutosh

Mookerjee Memorial Institute, Kolkata, 2014.

3. Chakraborty, Debdutta, “A Liberal Character of Sir Asutosh Mookerjee”, Anil Kumar Ghosh et al (ed.) Indian Science Cruiser, Vol. 28, No.2, Kolkata, 2 March, 2014.

ANNEXURE II : DEPARTMENT OF HISTORY

AWARD BY STUDENTS

Name	Award/Recognition	
Sourabh Bagchi	Durgapada Mondal Memorial Prize	2012-13
Surajit Mondal	Ira Ghosh Memorial Prize	
Bulty Bhowmik	Ira Ghosh Memorial Prize	
Rishab Mukherjee	Durgapada Mondal Memorial Prize	2013-14
Sankhapriya Nath	Ira Ghosh Memorial Prize	
Subhajit Chakrabarty	<ul style="list-style-type: none"> • Audio CD “Basudha” released at Rabindra Sadan on Dakshinee’s Convocation • Performed at “Take a Break Live” on Tara Muzik 	
Arghya Kamal Chattopadhyay	<ul style="list-style-type: none"> • Placed first in guitar playing at West Bengal State Youth Festival (State Level) • Placed first in Bhajan in West Bengal State Music Academy (Department of Ministry of Information and Culture) • Placed third in Kheyal in West Bengal State Music Academy (Department of Ministry of Information and Culture) • Placed first in Modern Bengal Song in West Bengal State Music Academy (Department of Ministry of Information and Culture) • Placed first in Nazrul Geeti in West Bengal State Youth Festival • Participated in the Musical Workshop organized by Shishu Kishore Academy • Working in a Project regarding Tagore Songs named “Tagore Beyond Boundaries” started by University of Michigan (USA) along with Dr Rajeeb Chakrabarty 	

ANNEXURE III : DEPARTMENT OF HISTORY

Dr. Tapti De

1. **Participated in International seminar** “Environmental Interface: An Interdisciplinary Approach Towards Sustainable Development” 3 May 2013
2. **Participated in Workshop** for UG History teachers on “Revision of the Existing Syllabi in BA (Hons & General) Courses of Studies in History,” held in Scottish Church College, 27 & 28 May 2010
3. **Participated in National Level Seminar** “Impact of Globalisation on the Indian Sub-Continent” at Dinabandhu Andrews College, 12 December 2011
4. **Participated in UGC-Sponsored seminar** on “Present Scenario and Future Prospects of Microbiology and Plant Biotechnology” at Asutosh Memorial Hall, 9 & 10 March 2011
5. **Participated in National Workshop** on “Calcutta, Delhi & Bombay in Colonial India” at Department of History, University of Calcutta 16 March 2010

MAHASWETA DAS SHARMA

1. **Participated in the UGC-Sponsored Seminar** titled **Vivekananda: The Nation Builder** organized by Asutosh College in collaboration with Ramakrishna Mission Institute of Culture on 4 and 5 February, 2013
2. **Acted as Chairperson at the Junior Research Scholars’ Seminar** titled **Popular Culture** organized by the Corpus Research Institute on 5 and 6 July 2013
3. **Participated in the Value Education Workshop** organized by the Ramakrishna Mission Institute of Culture on 1 September, 2012
4. **Participated in the national seminar** titled **Jawaharlal Nehru: Historical Perspectives** organized by the Department of History and Nehru Studies Centre, University of Calcutta on 28 September, 2012
5. **Participated in the Inter-Disciplinary and Inter-Departmental seminar** titled **Entering the Globe: Rabindranath and the Poet’s Journey towards Eternity** organized by Women’s Christian College on 18 April 2011
6. **Attended the three-day international seminar** titled **Many Rabindranaths: Across Space and Time** organized by the Department of History, Jadavpur University from 28-30 March, 2011

DR. SUBHASRI GHOSH

1. **Presented a paper** titled Socio-Legal Reforms and Colonial Ideology in Nineteenth Century British India: Some Reflections at the Institute of Development Studies Kolkata on 21 December 2011
2. **Presented a paper** titled *The Discourse and Debate over the Age of Consummation in Nineteenth Century Colonial India* at the Conference 'Women and Modern Political Systems' organized by the Centre for Women's Studies, Aligarh Muslim University, Aligarh from 25-27 February 2012
3. **Presented a paper** titled *Coming of Age in Colonial India: The Discourse and Debate over the Age of Consummation* at the Conference 'Colonial Girlhood/Colonial Girls' at the University of Melbourne, Australia from June 13-15, 2012
4. **Presented a paper** titled *Ideology and Law-Making: British India in the Nineteenth Century* at the Conference 'Legal Histories of the British Empire' organized by the Faculty of Law, National University of Singapore, Singapore from 5-7 July 2012
5. **Presented a paper** titled *Women and Nation: The Discourse and Debate over the Age of Consummation in Nineteenth Century Colonial India* at the Annual Conference of the Women's History Network at Cardiff University, U.K. from 7-9 September 2012
6. **Presented a paper** titled *Women and the Colonial State: Reflections on Late Nineteenth Century Socio-Legal Reforms in Colonial India* at the Sixth Biennial International Conference of the Indian Association for Asian and Pacific Studies at University of Calcutta from 17-19 December 2012
7. **Presented a paper** titled The Making of the West Bengal-East Pakistan Border: A Case Study of Nadia-Kushtia Sector, 1947-1971 at the 14th session of the International Association of the Study of Forced Migration at Swabhum, Kolkata from 6-9 January 2013
8. **Presented a paper** titled Women and Law: Fixing the Age of Consent in Colonial India at the 10th Conference of the Asian Law Institute, held at the National Law School of India University, Bangalore from 23-24 May 2013
9. **Presented a paper** titled Women's Protection and Law in Colonial India: A Case-Study of the Special Marriage Act, 1872 at National Conference on Law and Justice, Auro University, Surat from 14-15 September, 2013
10. **Presented a paper** titled Countering Gendered Violence: Socio-Legal Reforms in Nineteenth Century Colonial India at Second Annual International Conference on Violence in Indian History organised by Archive India Institute at University of Delhi on 1 November 2013
11. **Presented a paper** titled The Protracted Process of Boundary Formation: The Making of the

- Nadia-Kushtia Border, 1947-1971 at the UGC Sponsored National Level Seminar on Aspects of Partition of India in 1947 organised by Post Graduate Department of History, Malda College, Malda on 28 March 2014
12. **Presented a paper** titled, Countering Gender Inequality in Nineteenth Century Colonial India at the Young South Asia Scholars' Workshop on Rethinking Inequality in South Asia at ETH, Zurich, from 21-22 July 2014
 13. **Presented a paper titled** “‘Criminalisation’ of Marital Rape in Colonial India: Clash of Tradition and Modernisation in Nineteenth Century” at the Seventh Biennial International Conference of Indian Association for Asian and Pacific Studies at Tezpur University, from 20-22 December 2014
 14. **Presented a paper** titled, *Women Writing on Selves: Non-Fictional Writings of Bengali Women in the 19th Century* at the UGC-Sponsored National Seminar English non-fictional Writings of Rabindranath Tagore and his Contemporaries at Visva-Bharati University from 12-13 March 2015
 15. **Presented a paper** titled *Late Nineteenth Century Non-Fictional Writings: Women on Domesticity and Reform* at the UGC-sponsored State level seminar on Colonial Calcutta: Varied Faces—A Retrospection at Sarsuna College, Kolkata on 21 March 2015
 16. **Presented a paper** titled *From Agents of Change to Agents for Change: Women and Self-Emancipation in Colonial India* at the Women's History Network Annual Conference at University of Kent from 4-6 September 2015
 17. **Presented a paper** titled A Saga of Continuity: a case-study of IndianAct 1877 at the Youth International

TAPOBAN BHATTACHARYA

1. Vivekananda: The Nation Builder” ; UGC sponsored seminar, organized by Asutosh College, Kolkata, in collaboration with the RMIC, dated 4-5th February, 2013.
2. “India & The Indian Ocean : Renewing the Maritime Trade & Civilisational Linkages” ; International Conference, organized by ISCS & RIS , Bhubaneswar (Odisha), dated 20th-22nd March, 2015.
3. “India’s Critical Tradition and Maulana Azad” ; International seminar, organized by MAKAIAS, Kolkata, dated 6-7th November, 2015.

DEBDUTTA CHAKRABORTY :

1. ‘Mathematical Content in the Diary of Sir Asutosh Mookerjee’ at “Founder’s Day Seminar” organized by Institute of Historical Studies on 9.06.2010 at Institute of Historical Studies.

2. 'Sir Asutosh Mookerjee and the early days of Calcutta Mathematical Society' at Commemoration :150th birth Anniversary of Sir Asutosh Mookerjee organized by Calcutta Mathematical Society on 6.9.2013 to 8.9.2013 at Calcutta Mathematical Society
3. 'A Liberal Character of Sir Asutosh Mookerjee' at Seminar to commemorate 150th Birth Anniversary of Sir Asutosh Mookerjee organized by Institute of Science, Education and Culture on 10.09.2013 at Asutosh Mookerjee Memorial Institute.
4. 'Sir Asutosh Mookerjee and the development of Mathematical Studies' at Seminar to Commemorate 150th Birth Anniversary of Sir Asutosh Mookerjee" organized by Asutosh Mookerjee Memorial Institute on 14.11.2013 at Asutosh Mookerjee Memorial Hall.
5. 'Sir Asutosh Mookerjee and Rabindranath Tagore : the Vice- Chancellor and the Poet' at National Seminar on Life & Works of Sir Asutosh Mookerjee :150th Birth Anniversary Celebration of Sir Asutosh Mookerjee organized by Department of Pure Mathematics, (C.U.); Bose Institute, Kolkata; Indian Association for the Cultivation Science On 13.8.2015- 14.8.2015 at Bose Institute & Meghnad Saha Auditorium, Rajabazar Campus, Calcutta University.
6. 'Sir Asutosh Mookerjee and Calcutta University' at Seminar to Commemorate 150th Birth Anniversary of Sir Asutosh Mookerjee organized by Institute of Historical Studies on 13.3.2015- 14.03.2015 at Institute of Historical Studies.
7. 'Asutosh Mookerjee & Rabindranath Tagore – A Study of their relation' at Educationist Asutosh and his Humanistic Approaches organized by Chandrakona Vidyasagar Mahavidyalay on 21.12.2013 at Chandrakona Vidyasagar Mahavidyalay.
8. "Asutosh Mookerjee and Science Education" at International Seminar on History and Philosophy of Mathematics II : Pluralism in Mathematics " organized by Asutosh Mookerjee Memorial Institute and Indian Council of Philosophical Research, New Delhi on 10.12.2015 at Ramakrishna Mission Institute of Culture, Golpark, Kolkata.

EVALUATIVE REPORT

DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

1.	Name of the department:	JOURNALISM AND MASS COMMUNICATION		
2.	Year of Establishment:	2003		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (B.A. HONOURS)		
4.	Names of Interdisciplinary courses and the departments/ units involved	Nil		
5.	Annual/ semester/ choice based credit system (programme wise)	Under Graduate: Annual System as per University of Calcutta norms		
6.	Participation of the department in the courses offered by other departments			
	COURSE	FACULTY	PARTICIPATION AS	
	Nil	Nil	Nil	
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil		
8.	Details of courses/ programmes discontinued (if any) with reasons	Nil		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		
		Associate Professor		
		Assistant Professor		

ASUTOSH COLLEGE SSR 2015

		CWTT	3	3		
		PTT	1	1		
		Guest Teacher	1	1		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt/ Ph.D./ M. Phil. etc.)					
Name		Qualifi cation	Designation	Specialization	No. of Years of Exp.	No. of PhD Students
Maulisri Chattopadhyay		MA	CWTT (Govt. Approved)	Mass Comm. Advertising Editing	14YRS	Nil
Nabanita Bhattacharjee		MA	CWTT	Media Law and Ethics P.R	4 YRS	Nil
Abhishek Das		MA	CWTT	Radio and TV Media Management	4YRS	Nil
Shikhi Chatterjee		MA	PTT (Govt. Approved)	National and International affairs	10YRS	Nil
Sraboni Roy Maity (UPTO 2014)		MA	CWTT	International affairs and media management	10YRS	Nil
Sri. Sumanta Bandopadhyay		MA	Guest Teacher	Film Studies	8YRS	Nil
Smt. Eashika Chakraborty (UPTO 2015)		MA	Guest Teacher	Public Relations	6YRS	Nil
Smt. Priyanjali Neogi (UPTO 2015)		MA	Guest Teacher	-	3YRS	Nil
Sri Kabi Bakshi (UPTO 2014)		MA	Guest Teacher	-	10YRS	Nil
11.	List of senior visiting faculty	Visiting Faculty		Institute		
		Nil		Nil		
12	Percentage of lectures delivered by temporary faculty	1 st Yr: Practical- 14.8% 2 nd Yr: Practical – 22.2% 3 rd Yr: Theory- 1.11%; Practical- 16.66%				

ASUTOSH COLLEGE SSR 2015

13.	Student -Teacher Ratio (programme wise)	Session	UG	
		2011-12	25:1	
		2012-13	30:1	
		2013-14	35:1	
		2014-15	41:1	
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED	FILLED
		GLI		
		Laboratory Assistant	2	2
		Laboratory Attendant	1	1
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	P.G- 5		
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Nil		
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	Nil		
18.	Research Centre/ facility recognized by the University	Nil		
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor			

	l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Srabani Roy Maity (upto 2014)		6	4				2							
Sumanta Bandopadhyay		2	1				1							
PUBLICATION LIST : IN ANNEXURE I														
20.	Areas of consultancy and income generated:					Nil								
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a)National Committees					Nil								
	b) International Committees					Nil								
	c) Editorial Board					Nil								
22.	Student projects													
a)	Percentage of students who have done in-house projects including inter departmental/ programme					For 2 nd and 3 rd year students it is 100% who do in--house project. The 1 st year students also do the class project on editing and other related subjects. For example, they have done projects on Types of headlines published in newspapers.								

ASUTOSH COLLEGE SSR 2015

b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	<p>10 to 15% of the students do internship in different newspaper houses, ad agencies and P.R. agencies and audio-visual channels, production houses.</p> <p>some of the cases are cited below:</p> <p>1)Somdip Roy: Photography in Ajker Sampurna</p> <p>2) Neil Ray: Event management at MTV India</p> <p>3)Sreetama Mukherjee: Public relations at Ardmore events and P.R</p> <p>4)Niladri Sarkar: The Statesman</p> <p>5)Ranaroop Nag: Production Assistant Amazing Race Canada.</p>
23.	Awards/ Recognitions received by faculty and students: Awards received by students in ANNEXURE II	
24.	List of eminent academicians and scientists/ visitors to the department: <ol style="list-style-type: none"> 1. Prof. Sanjay Mukhopadhyay, Former Head of the Department of Film Studies, Jadavpur University, Ph.D committee. Member, Journalism and Mass Communication. University of Calcutta. 2. Mr. Abir Chattopadhyay, Assistant Professor and Head of the Department, S.A. Jaipuria College, Board of studies chairman UG council, University of Calcutta. 	
25.	Seminars/ Conferences/ Workshops organized & the source of funding	
	<p>a) National:</p> <p>The department organised one workshop on “REPORTING NEWS ITEMS” jointly with Department of Communicative English on 13th November, 2009. The Speaker was Mr. Saumen Dutta, Principal Correspondent of Hindustan Times.</p> <p>The Department organised a promotional programme of Bengali Film “SAADA KALO AABCHA” on 21st November on 21st 2013 with the Director Ringo, Cast Members and Producer in the Department.</p> <p>The Department organised an academic seminar on “CORPORATE COMMUNICATION: FUTURE AND PROSPECT” jointly with Communicative English</p>	

ASUTOSH COLLEGE SSR 2015

		Department on 6 th October, 2010. Seminar on ‘Scope of Higher Studies in Mass Communication and Media on 12.9.2014, organised by Department of Journalism and Mass Communication, Communicative English and English Two-day anchoring workshop in collaboration with Autograph Institute, Kolkata organised by Department of Journalism and Mass Communication Date: 27.01.2015 & 28.01.2015						
	b) International:	NIL						
26.	Student profile programme/ course wise:							
	Name of the Programme: B.A. with JOURNALISM AND MASS COMMUNICATION (Honours) (UG)							
	Year	Applicatn Rcvd	Selected	Enrolled		Year	Pass %	No. 1 st Class
				M	F			
	2015-16	2310	61	21	40	2015-16	98.41	4
	2104-15	2018	102	49	53	2104-15	100	4
	2013-14	1562	74	32	42	2013-14	100	0
	2012-13	1354	88	37	51	2012-13	93.55	2
	NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year							
27.	Diversity of Students							
	Name of the Course: : B.A. with JOURNALISM AND MASS COMMUNICATION (Honours) (UG)							
	Year	% of Students from the same state			% of students from other States		% of students from abroad	
	B.A. Ist Year (HONS.),2015	93%			7%		X	
	B.A. Ist Year (HONS.),2014	89.80%			8.16%		2.04%	
	B.A. Ist Year (HONS.),2013						X	
	B.A. Ist Year (HONS.),2012						0.88%	

ASUTOSH COLLEGE SSR 2015

28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. Data not available	
29.	Student progression:	
	Student Progression	Against % enrolled
	UG to PG	69.38% (2013-2014)
	PG to M.Phil	Data not available
	PG to Ph.D	Data not available
	Employed	Data not available
	Campus Selection	Data not available
	Other than campus recruitment	Data not available
	Entrepreneurship/Self Employment	Data not available
30.	Details of Infrastructural facilities	
	Library: Books in Central Library: 21 Books in Reading Library: 46 Books in Seminar Library: 143 Journals : Two 1) Asian Journal of Communication Published by Routledge ISSN NO: 0129-2986 2) Vidura- A journal of Press Institute of India ISSN NO: 0042-5303	
	(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:	
	CONFIGURATION	NUMBER
	Desktop : Intel Core 2 Duo Processor 2.8 GHz processor, 1GB RAM DDR2 667RPM, HDD 250GB	5
	Desktop: Intel Core 2 Duo Processor 2.8 GHz processor, 1GB RAM DDR2 SDRPM, HDD 250GB SATA	5
	Desktop: Intel i3 2 nd Generation, 4GB DDR3 RAM, 500GB HDD, Windows 8 Original	5
	Desktop: Intel Core i3 3.4 GHz processor, 4GB DDR3 RAM, 500 GB SATA HDD	10
	Laptop : Intel i3 2 nd Generation, 2GB DDR3 RAM, 500GB HDD, Windows 8 Original	1
	Printer: Colour Laserjet HPPro M252DW	1
	(c) Class rooms with ICT facility: The Department uses a laptop and a LCD projector with tripod .Some movie CDs and Documentary CDs are shown regularly to the 3 rd year	

ASUTOSH COLLEGE SSR 2015

students of the department as FILM is part of their curriculum.		
(d) Laboratories: 1 A.C lab		
Sl. No.	Product	Year
1	Switch 8 Port-1 LAN Cable- 1 Connector-4	2011
2	Motherboard-1 RAM 4GB -1 DVD Writer-1 Antivirus-1 Wireless Card-1	2012
3	Desktop Computer-5 UPS-5	2012
4	SPLIT A.C.-2	
5	Handycam Camera -3 Tripod -3	2013
6	Laptop-1	2013
7	LCD Projector-1 Tripod screen -1	2013
8	UPS- 1	2015
9	BIOS Battery UPS, Keyboard, Mouse, 500GB Hard disk, 15.4 LED Monitor	2015
31.	Number of students receiving financial assistance from college, university, government or other agencies	Avijit Das: Oasis Scholarship Subhendu Pathak : Merit Cum means Scholarship Indrani Mukherjee: Merit Cum means Scholarship and Kanyashree
32.	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	<p>The department organised one workshop on “REPORTING NEWS ITEMS” jointly with Department of Communicative English on 13th November, 2009. The Speaker was Mr. Saumen Dutta, Principal Correspondent of Hindustan Times.</p> <p>The Department organised a promotional programme of Bengali Film “SAADA KALO AABCHA” on 21st November on</p>

		<p>21st November, 2013 with the Director Ringo, Cast Members and Producer in the Department.</p> <p>The Department organised an academic seminar on “CORPORATE COMMUNICATION: FUTURE AND PROSPECT” jointly with Communicative English Department on 6th October, 2010.</p> <p>Seminar on ‘Scope of Higher Studies in Mass Communication and Media on 12.9.2014, organised by Department of Journalism and Mass Communication, Communicative English and English Speaker: Ranita Hirji , Dean of studies</p> <p>Convergence Institute of Media, Bangalore Date: 12.09.2014</p> <p>Two-day anchoring workshop in collaboration with Autograph Institute ,Kolkata organised by Department of Journalism and Mass Communication Date: 27.01.2015 & 28.01.2015</p>
33	Teaching methods adopted to improve student learning:	
	<p>Audio –Visual aids are taken to describe certain theories.</p> <p>Special remedial classes and tutorials are taken for the backward students.</p> <p>Tutorial classes for S.C. and S.T. students are taken.</p> <p>Written practical are taken care of specially.</p> <p>Anchoring practical are taken care of specially.</p> <p>Viva are taken care of specially.</p>	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	NAME	Social Responsibility (ISR) and Extension activities
	Smt. Sraboni Roy Maity	Internal Examiner and External examiner of CU (UG) Journalism and Mass Communication Seminars Attended: National :3
	Smt. Maulisri	Paper Setter and Internal Examiner and External examiner of

ASUTOSH COLLEGE SSR 2015

	chattopadhyay	CU (UG) Journalism and Mass Communication Seminars Attended: National :5 International: 1
	Smt. Nabanita Bhattacharjee	Internal Examiner and External examiner of CU (UG) Journalism and Mass Communication
	Sri.Sumanta Bandoapadhyay	Seminars Attended: National :2, International: 4 Presentation:National:1 Workshop Attended: 1
	Smt. Shikhi Chatterjee	Internal Examiner and External examiner of CU (UG) Journalism and Mass Communication Seminars Attended: National :2 Workshop Attended: 1
	Smt. Eashika Chakraborty	Seminars Attended: National :2 Presentation: National: 3
	Abhishek Das	Seminars Attended: National :5 Presentation: National: 1; International: 1 Workshop attended : 2
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> ● Producing University toppers at regular level. ● Regular classes ● Completion of syllabus on time ● Good and healthy student teacher relationship. ● Unity among faculty and departmental staffs
	Weaknesses:	<ul style="list-style-type: none"> ● No teacher in the substantive post ● Imbalance in student teacher ratio ● Lack of technical equipments (Camera, Computers) ● Lack of Smart class room ● Lack of proper studio set up

ASUTOSH COLLEGE SSR 2015

	Opportunities:	<ul style="list-style-type: none"> Different social issues could be introspected through the topics of practical (Both dissertation and audio visual capsules)
	Challenges:	<ul style="list-style-type: none"> To make students critical media follower
	Future plans:	<ul style="list-style-type: none"> The department plans to publish a departmental peer reviewed Journal with ISBN/ISSN Registration The department also plans to conduct an exhibition of documentaries prepared by the students during their academic session. The Department further plans to conduct annual photography exhibition by the students. The department plans to give a practical industry based knowledge by experts working in the various fields of Journalism and Mass Communication.

ANNEXURE-I: DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

LIST OF PUBLICATION BY FACULTY:

Smt. Sraboni Roy Maity

Sl.	Name of books/Journals.	Title	ISSN/ISBN No.	Year
1.	PR Communication Age	"Public Relation: Key to Social Responsibility."	0972-0650	July 2010
2.	Global Media Journal Indian Edition.	"Exploring the possibilities of the use of Right to Information: A Case Study on Joint Forest Management."	2249-5835	December 2010
3.	Indian Journal of Marketing.	"Pester Power: The Strategic Use of Child Model in Advertising." SNIP: 0.147, SJR: 0.147	0973-8703	January 2012
4.	CLIO An Interdisciplinary Journal of History.	"Identity Assertion in the age of Modernization: A Case Study of a Bengal Puppet Group."	0976-075XCLIO	Jan-Dec 2011
5.	Book: Child Exploitation:	"Public Awareness and Human Rights: Perspective of	ISBN 978-81-89630-69-0	2012

	Exposing the Unseen.	Development Communication in West Bengal.		
6.	VIDURA- A Journal of the Press Institute of India.	“Women Provide Lesson in Disaster Management.	0042-5303	Jan-March 2013
7.	Book- Mass Media and Society in Post Globalization.	In Search of Identity of Folk Media in the Age of Globalization.	ISBN-13:9789380601984(Hbk)	2013.
8.	Communicator- Journal of the Indian Institute of Mass Communication Vol. XLIV No.1	Communicating Disaster: Participatory development in West Bengal	ISSN NO-0588-8093	Jan.-Dec. 2013.
9.	Book- Advances in Extension Education and Rural Development. Vol. 3.	Role of Women In Disaster Management.	ISBN-978-81-7754-531-9.	2014

Sumanta Bandoapadhyay

Publications

1. Paper Published in Book (ISBN)

Book: The Diasporic Dilemma Exile, Alienation and Belonging
 Editor: Dr. Pardipta Mukhrejee and Dr. Sojal kumar Bhattacharya
 Publisher: Creative Books, New Delhi
 Year: 2015

2. Paper Published in Journal (ISBN)

Journal: Volume III; 2013

3. Article Published in Newspaper

- i. Dainik Statesman: June 9, 2013
- ii. Dainik Statesman: April 26, 2015

4. Article Published in Magazines

ASUTOSH COLLEGE SSR 2015

- i. Atmaja: Year V, October 2011; Vadodara; Gujrat
- ii. Atmaja: Year VI, October 2012; Vadodara; Gujrat
- iii. Aparajito: Year 31; No.1-2; Jan-June 2012, Kolkata
- iv. Muktodhara: Autumn 2014; Year: I; Howrah

ANNEXURE II: Awards received by the students

Name	Award	Session
Arkajeet Banerjee	Debate competition Xavullash 2015 & sanghoti (1 ST Prize)	2015
	Gokhale Memorial Girls' College, Inter-college Debate (1 ST Prize)	2015
Subhendu Pathak	Writing selected in Competition Success Review topic named "NITI AAYOG" (Writing selected)	2014
	National TV show (Qualified)	2014
Indrani Mukherjee	The TelegraphYou Your Campus Buddy TOPIC: Marriage is an outdated institution (1 ST Prize)	2014
	The TelegraphYou Your Campus Buddy TOPIC:Beauty Pagents Should be banned (1 ST Prize)	2014
Sovan Chanda	B.A part I (Hons.) 1 st class 1st	2014
Ayan Das	B.A part I (Hons.) 1 st class fourth	2014
Sneha Matia	B.A part II (Hons.) 1 st class 2nd	2014
Raktim Saha	Ramkrishna Mission Photography Course (1 st Prize)	2014
Mohammad Affanul Haque	Kalidoscope 2014 Lady Brabourne College (2nd Prize)	2014

ASUTOSH COLLEGE SSR 2015

	Login Astitwa NSHM Kolkata, Quiz Competition (2nd Prize)	2014
	UMANG The Bhawanipore education Society College India Quiz (2nd Prize)	2014
Samadrita Banerjee	Quiz Contest Vivek Chetna Utsav (1 ST Prize)	2014
Priyanka Das	Bollywood Group Dance (2nd Prize)	2014
Arghya Bardhan	B.A part III (Hons.) 1 ST CLASS 1 ST	2012
Rimita Saha	B.A part III (Hons.) 1 ST CLASS 2 nd	2012
Sneha Matia	B.A part III (Hons.) 1 ST CLASS 1 ST	2015
Jiniya Chakraborty	B.A part III (Hons.) 1 ST CLASS 3 rd	2015
Sarnab Chakraborty	Kolkata District Youth Parliament Contest 2015-16 (organised by Govt. Of West Bengal)	2015
Sarnab Chakraborty, Arkajeet Banerjee, Damayanti Giri, Arghyadeep Dutta	Kolkata District Youth Parliament Contest 2015-16 (organised by Govt. Of West Bengal)	2015
Sukrit Das & Priyankar Patra	1 st Prize in Loreto College Inter-College Documentary festival	2016

ANNEXURE III: Social Responsibility (ISR) and Extension activities

Sraboni Roy Maity

Public Awareness and Human Rights- Perspective of Participatory Communication in West Bengal. Dept. of Criminology and Police Administration JHAA College in Collaboration with Indian Society of Criminology. 13th-14th December 2012. JHAA College Chennai.

“Communication and Culture”- A study on Contemporary Santali Communication. Dept. of Mass Communication University of Burdwan in Collaboration with MAKAIS, under the Ministry of Culture, Govt. of India. 19-20 November 2014. Burdwan University.

Participated in a UGC Sponsored Seminar titled ‘Present Scenario and Future Prospects of Microbiology and Plant Biotechnology’, Organized jointly by the Departments of Botany and Microbiology, Asutosh College and Bose Institute Kolkata, at Asutosh College on March 2011.

Smt. Maulisri Chattopadhyay

UGC Sponsored Seminar titled ‘Present Scenario and Future Prospects of Microbiology and Plant Biotechnology’, Organized jointly by the Departments of Botany and Microbiology, Asutosh College and Bose Institute Kolkata, at Asutosh College on 9TH AND 10TH March 2011

UGC Sponsored Seminar titled ‘Ami Bichitrer Doot’, Organized jointly by the Post Graduate Department of Bengali, Asutosh College and Passchimbanga Bangla Academy, at Asutosh College on 6TH AND 7TH September, 2011

International Seminar On Communication :Key To Extension , Organised By Department of Adult Continuing Education & Extension, Jadavpur University on 11.12.2012

UGC Sponsored Seminar on Vivekananda: The Nation Builder Organised By Asutosh College in Collaboration With The Ramkrishna Mission Institute Of Culture On 4th & 5th February ,2013

Half-day Seminar organised by ALL BENGAL PRINCIPALS’ COUNCIL in collaboration with ILEAD on EMPOWERING HIGHER EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY(ICT) on 7th June, 2014

One-day UGC-Lecture on Gender And Identity: Some Philosophical Reflections organised by the department of philosophy, Asutosh College on 20.03.2015

Abhishek Das

PAPER PRESENTATION

“A Study on the information flow in the SAARC Region” at 1st International Conference of the Department of Journalism and Mass Communication Organised by University of Burdwan on “Contemporary Media Scenario in South Asian Region. 2014.

“Resurgence of Bengali Cinema, striking balance between sensible and populist cinema-Srijit Mukhrejee’s directorial venture” at National Seminar on “Cinema of India: Flashback of 100 Years and scripting for the future.” Organised by Department of Journalism and Mass Communication, Banaras Hindu University. 2015

Seminar Participation

One Day Awareness Generation Seminar-cum-Workshop on “Security and Disaster Management”. Organised by Rabindra Bharati University, Kolkata. 6 February, 2014.

ASUTOSH COLLEGE SSR 2015

UGC-DEB Sponsored Two- Day National Seminar-cum-Workshop on “Theories and Practices of ODL Methodology: A Close Look”. Organised by Rabindra Bharati University, Directorate of Distance Education. 21-22 March 2014.

UGC Sponsored One Day Workshop on “Understanding Structure and Dimensions of Screen Writing: An Open and Distance Learning Initiative”. Organised by Netaji Subhas Open University. 18th August 2014.

Workshop on “Panchayat and Rural Development: Recent Experiences in West Bengal” Organised by Centre for Studies in Decentralization and Rural Reconstruction (CSDRR)”, Rabindra Bharati University. 17 January, 2015.

UGC Sponsored Five Day Research Workshop, organised by Rabindra Bharati University, Kolkata. 9-13 March 2015.

UGC sponsored national workshop on Media Teaching organised by Vijaygarh Jyotish Roy College in December, 2015

Workshop on Social Surfing organized by Centre for Social Research and Facebook. 2016

Sri. Sumanta Bandoapadhyay

A. Orientation Programme; 2011

Teaching Film Studies in West Bengal: An orientation Programme organised by: Department of Film Studies, Jadavpur University.

B. Participation in Seminar

National Level UGC sponsored Seminar on “Contemporary Bengali Literature: in search of Folklore Elements” Organised by Department of Bengali, Vidyasagar College for Women and Folklore Congress Association of India. (2011)

International Seminar on Communication: Key of Extension Organised by Department of Adult, Continuing Education and Extension, Jadavpur University (2012)

National Conference on “Quantum Correlations: Foundation and Application” Organised by: Physics and Applied Mathematics Unit (PAMU), Indian Statistical Institute and Vidyasagar College for Women (2012)

International Seminar on “Diaspora and Cultural Exchange” Organised by Department of

English, History and Political Science, Vidyasagar College for Women(2013)

International Seminar on “Portrayal of Women In Media: Are They Stereotype?”

Organised by: Department of Adult, Continuing Education and Extension, Jadavpur University

Paper Presentation in International Seminar (UGC) on Bengla Natak: Oitihya O Adhunikota

Organised by: Department of Bengali, Rabindra Bharati University

Participation in Workshop

Workshop on “Prospect and Content of Mass Communication Studies in the contemporary Lights”

Organised by: Department of Department of Adult, Continuing Education and Extension, Jadavpur University on 17.08.15

Shikhi Chatterjee

- 1) **UGC Sponsored Seminar** titled ‘Present Scenario and Future Prospects of Microbiology and Plant Biotechnology’, Organized jointly by the Departments of Botany and Microbiology, Asutosh College and Bose Institute Kolkata, at Asutosh College on 9TH AND 10TH March 2011
- 2) **UGC sponsored seminar** on Vivekananda: the nation builder organised by Asutosh College in collaboration with the Ramkrishna Mission Institute of Culture on 4th & 5th February ,2013
- 3) **UGC sponsored national workshop** on Media Teaching organised by Vijaygarh Jyotish Roy College in December, 2015

Publication

Article ‘DHONNOBAD TUKU JANANO DORKAR’ published on ‘Bengal Times’ on 20.11.15

Eashika Chakraborty

Paper presentation in national seminar

- a. Changing role of media in democracy (2011)
- b. Unconventional Science communication through literature(2012)
- c. Corporate communication – a strategic approach (2015)

Seminar attended in national seminar

- 1) UGC sponsored one-day national seminar organised by the department of Chemistry, Mahadevananda Mahavidyalaya , 2011
- 2) UGC sponsored one-day national seminar organised by the department of Bengali, 2013

EVALUATIVE REPORT

DEPARTMENT OF PHILOSOPHY

1.	Name of the department:	PHILOSOPHY		
2.	Year of Establishment:	IA: 1916 B.A. (General): 1918	1920 (Honours)	
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	Under-graduate (UG) Programmes: i. B.A. (Honours) ii. B.A. (General)		
4.	Names of Interdisciplinary courses and the departments/ units involved	Nil		
5.	Annual/ semester/ choice based credit system (programme wise)	Under Graduate: Annual System as per University of Calcutta norms`		
6.	Participation of the department in the courses offered by other departments			
	COURSE	FACULTY	PARTICIPATION AS	
	NIL	NIL	NIL	
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		
		Associate Professor	1	1
		Assistant Professor	3	2
		CWTT		
		PTT	1	1
		Guest Teacher	3	3

ASUTOSH COLLEGE SSR 2015

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD Students
Chandan Chowdhury (Retd.)		M. Phil	Associate Prof.	Social and Political Philosophy	1999-2013 (At Asutosh College)	NIL
Saswati Dey Mondal		M. Phil	Associate Prof.	Logic	19	NIL
ChandrimaBhar		Ph.D	Assistant Prof.	Political Philosophy	13	NIL
Rina Kar (Dutta)		Ph.D	Assistant Prof.	Logic	9	NIL
Sarbani Roy		M.A	Guest teacher	Logic	2	NIL
PrasenjitBera		M.A	PTT	Nyaya	2 months	NIL
Sonali Paul		M.A	Guest teacher	Nyaya-Vaisesika	1	NIL
SuklaNath		M.A	Guest teacher	Logic	2 months	NIL
11.	List of senior visiting faculty	Visiting Faculty		Institute		
		NIL		NIL		
12	Percentage of lectures delivered by temporary faculty	20%				
13.	Student -Teacher Ratio (programme wise)	Session		UG		
		2011-12		16:1		
		2012-13		19:1		
		2013-14		18:1		
		2014-15		20:1		
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST		SANCTIONED	FILLED	
		GLI		NIL	NIL	
		Laboratory Assistant		NIL	NIL	
		Laboratory Attendant		NIL	NIL	
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	Ph.D. : 2 MPhil: 1 M.A: 4				
16.	Number of faculty with ongoing projects from a) National b) International	NIL				

	funding agencies and grants received:													
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL												
18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
ChandrimaBhar		1	1				4							
Rina Kar Dutta		1		1			1							
PrasenjitBera							2							
PUBLICATION LIST : In Annexure I to Dept. of Philosophy														
20.	Areas of consultancy and income generated:													
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a)National Committees				Chandan Chowdhury: a. Ex-member of Executive Committee, Society for Contemporary Philosophy b. Ex-Secretary, Bangiyo Darshan Parishad c. Ex-Joint Secretary, Indian Academy of Philosophy Chandrima Bhar: a. Life Member of Asiatic Society b. Life member of Ram Krishna Mission. Rina Kar (Dutta) : Life member of Ram Krishna Mission.									

ASUTOSH COLLEGE SSR 2015

	b) International Committees	NIL
	c) Editorial Board	NIL
22.	Student projects	
a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	NIL
23.	Awards/ Recognitions received by faculty and students:	
	Award Received by Students	
	NAME	AWARD
	Nisha Kar	Award from Sristi dance academy
	Sangkalpa Bhuiyan	Highest marks in Asutosh College test exam
	Sulagna Sen	Highest marks in Asutosh College test exam
24.	List of eminent academicians and scientists/ visitors to the department:	
	<p>a. Pro. Subir Ranjan Bhattacharya, Associate Professor and Ex-Head of the Dept. of Philosophy, University of Calcutta.</p> <p>b. Dr. Proyash Sarkar., Associate Professor, Dept of Philosophy, Jadavpur University</p> <p>c. Dr. Atashee Chatterjee Sinha, Associate Professor, Dept of Philosophy, Jadavpur University</p> <p>d. Late Dr. Rajsri Basu, Associate Professor, Director of women's studies centre and head of the Dept. of Political Science.</p> <p>e. Dr. Ratna Dutta Sharma, Ex Professor of Philosophy, Jadavpur University</p>	
25.	Seminars/ Conferences/ Workshops organized & the source of funding	
	a) National:	a. Gender and Identity. Some Philosophical Reflections, sponsored by the Indian Council of Philosophical Research, New Delhi and organized by the dept. of Philosophy, Asutosh College, on 20 th of March, 2015.

ASUTOSH COLLEGE SSR 2015

		b. Programme on Indian Materialism and logic (Traditional and Modern),sponsored by ICPR ,New Delhi and organized by the Dept. of Philosophy, Asutosh College, on 1st of March,2013. c. Centenary Lecture on Indian Philosophy (Nyaya Epistemology) Speaker: Dr. Ratna Dutta Sharma (Ex- Prof. of Philosophy, Jadavpur University) on 16/12/15						
	b) International:	NIL						
26.	Student profile programme/ course wise:							
	Name of the Programme: B.A. with PHILOSOPHY(Honours) (UG)							
	Year	Application Rcvd	Selected	Enrolled		Year	Pass %	No. 1st Class
				M	F			
	2015-16	848	73	25	48	2015-16	78.57	0
	2014-15	547	42	14	28	2014-15	66.67	1
	2013-14	357	48	20	28	2013-14	78.57	1
	2012-13	369	38	16	22	2012-13	100	1
	NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year							
27.	Diversity of Students							
	Name of the Course: : BSc with PHILOSOPHY(Honours AND General) (UG)							
	Year	% of Students from the same state			% of students from other States		% of students from abroad	
	2015-16	100			Nil		Nil	
	2104-15	100			Nil		Nil	
	2013-14	100			Nil		Nil	
	2012-13	100			Nil		Nil	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. Data Not available							
29.	Student progression:							
	Student Progression			Against % enrolled				
	UG to PG			50%				
	PG to M.Phil			5%				
	PG to Ph.D			Data not available				
	Employed			Data not available				
	Campus Selection			Data not available				
	Other than campus recruitment			Data not available				

	Entrepreneurship/Self Employment	30%
30.	Details of Infrastructural facilities	
	(a) Library: Central Library :593 Seminar Library: 443 Reading Room:81	
	(b) Internet facilities for Staff & Students: Available Centrally	
	CONFIGURATION	NUMBER
	Laptop: 1, Printer: 1, Scanner: 1 (Shared with Dept. of English) Pentium ® Dual Core CPU T4200 @ 2.00 GHz 2GB RAM, 500 GB HDD Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.	1
	(c) Class rooms with ICT facility: Centrally available	
	(d) Laboratories: N.A.	
31.	Number of students receiving financial assistance from college, university, government or other agencies	20% from the College 50% of the girl students from Govt. through the Kanyasree.
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	a. Gender and Identity. Some Philosophical Reflections, sponsored by the Indian Council of Philosophical Research, New Delhi and organized by the dept. of Philosophy, Asutosh College, on 20 th of March,2015. b. Programme on Indian Materialism and Logic (Traditional and Modern),sponsored by ICPR ,New Delhi, and organized by the Dept. of Philosophy, Asutosh College, on 1 st of March,2013.
33	Teaching methods adopted to improve student learning:	
	Interactive methods facilitated by Internet	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	Details in ANNEXURE II	
	NAME	Social Responsibility (ISR) and Extension activities
	Dr. Chandrima Bhar	Examiner: Examiner for CU Part I, II, and III Honours and General examinations and Head-examiner of the Supplementary

		Examinations of CU in 2014 Seminar/ Workshop: Paper Presented: 1 Attended: 7
	Smt. Rina Kar Dutta	Examiner: Examiner, head examiner and paper setter for CU Part I, II, and III Honours and General examinations and Head-examiner of the Supplementary Examinations of CU in 2013 Seminar/ Workshop Paper Presented: 1 Attended: 3
	Smt. Saswati De Mandal	Examiner: Examiner, head examiner and paper setter for CU Part I, II, and III Honours and General examinations and Head-examiner of the Supplementary Examinations of CU in 2015
	Mr. Prasenjit Bera	Examiner: Examiner for CU Part I, II General examinations Seminar/ Workshop: Paper Presented and Attended 2
	Smt. Sonali Paul	Examiner: Examiner for CU Part I, II, III General examinations
	Smt. Srabani Roy	Examiner: Examiner for CU Part I, II, III General examinations
35	SWOC analysis of the department and Future plans	
	Strengths:	Qualified potential faculty members and learner-centric teaching. Faculty members are interested in Research activities and in securing grant-in-aid from appropriate funding agencies. A healthy and harmonious teacher-student relationship. Students are interested in inter-disciplinary studies.
	Weaknesses:	Student –teacher ratio is not sufficient to cope-up with the day-to-day academic affairs. Shortage of space in classrooms often fail to make teaching-learning comfortable.
	Opportunities:	Arranging tutorial classes for better performance of

	<p>students in the examinations conducted by the University of Calcutta, as well as in the other competitive examinations.</p> <p>Encouraging the students for interdisciplinary studies by invoking in them a comprehensive conceptualization of Philosophy as a discipline.</p>
Challenges:	<p>To keep the students informed about the advancement in philosophical studies specially when the curriculum design and implementation are not done regularly by the Board of Studies, to keep pace with the advancement in philosophical thinking of the time.</p> <p>To draw and retain the interests of the students in the discipline of Philosophy due to the dearth of in the recognition of the discipline in the consumerism-oriented job market.</p>
Future plans:	<p>To introduce add-on courses in order to supplement the academic needs and interests of the students ,as well as to bring to light the changing needs of the time and perspectives in philosophical thinking.</p> <p>To motivate the students through the introduction of weekly special lectures by eminent professors/scholars, on the thrust areas that pertain to the curriculum for UG studies.</p> <p>To develop socio-cultural awareness and the habit of free philosophical thinking in the students through interactive sessions with the people from different socio-cultural backgrounds and with different philosophical orientations.</p>

ANNEXURE I: DEPARTMENT OF PHILOSOPHY

LIST OF PUBLICATION BY FACULTY:

Dr. Chandrima Bhar

1. The Post Modern Turn-A Feminist Perspective in Delf for in-depth studies. Third Issue, July 2006. Published by Asutosh College Teachers Council out of Foundation for Academic Excellence and Access (FAEA) Grant (Grant No. :1010) New Delhi.
2. Antoralkatha: Etihaser Prekhopota Naribadi Chinta .Debabrata Dutta & Tapan kumar Bandyopadhyay sampadito Fola Rajniti, Arthoniti, Samaj-Sanskriti & Science bisoyak Patrika, second issue, June 2007.
3. Naitik Chintai Baktigoto Samporko-Ekti Naribadi Prekhito ,Debabrata Dutta & Tapan kumar Bandyopadhyay sampadito Fola Rajniti, Arthoniti, Samaj-Sanskriti & Science bisoyak Patrika. Fourth issue September 2008.
4. Bisoyata-Bhabnai Niropekhotar Bisoyata. Debabrata Bandyopadhyay sampadito Kala-Rajniti, Arthoniti, Samaj-sanskriti & Science bisoyak Patrika. Fifth issue, March 2009.
5. Feminism and Science to be published in the Centenary Journal of Asutosh College.

Dr. Rina Kar Dutta

- a. Swadhinata Sangrami Rabindranath published in the book Manane Rabindranath. (ISBN NO. 978-93-82663-35-5) BY Pustak Bipani.
- b. Bauls: A different Philosophy of Life to be published in the Journal Quest.

Prasenjit Bera

- a. Pramana- Prameya Dichotomy: A Defence, published from Halpur Mahatma Gandhi College, Bankura.
- b. The Charge of Traikalyasiidhi: A Nyaya Response, published from Department of Sanskrit, Jadavpur University.

ANNEXURE II: DEPARTMENT OF PHILOSOPHY

List of Seminars/Workshops attended/participated

Dr. Chandrima Bhar

1. Participated in the Refresher Course in Philosophy, organized by UGC Academic Staff College, Jadavpur University, 8th of November -29th November, 2010.
2. Participated in a one-day Health Workshop organized and conducted by Students Health Home, Dakshin Kolkata Regional Centre on 25.06.2011 at Jagabondhu Institution.
3. Participated and presented a paper entitled Relevance of Kuhns Philosophy to Feminist Critique of Science in a Workshop on the Philosophy of Science held at the Centre of Advanced Study, Dept. of Philosophy, Jadavpur University on 5th, 6th, 7th, 8th, 9th, 10th, and 12th of November, 2012.
4. Participated in a Two –day National Seminar on Classical and Contemporary Epistemology, Indian and Western Perspectives, organized by the Dept. of Philosophy, University of Calcutta (under UGC-SAP-DRS phase 2 Programme) held on 3rd and 4th of March, 2015, at the CSSH Hall, University of Calcutta, Alipore Campus.
5. Participated in a Two-day National Seminar on Dalit Epistemology and Feminism, organized by the Dept. of Philosophy, Jadavpur University, Kolkata, on 26th and 27th of February, 2015.
6. Participated in the UGC sponsored National Seminar on Understanding Aesthetic Values, organized by the Centre of Advance Study in Philosophy, Jadavpur University, Kolkata, on 6th and 7th of February, 2015.
7. Participated in the Two Periodic Lectures on Gender and Identity. Some Philosophical Reflections, sponsored by the Indian Council of Philosophical Research, New Delhi, and organized by the dept. of Philosophy, Asutosh College, on 20th of March, 2015.
8. Participated and presented a paper entitled Feminist Critique of Objectivity: Revisiting Androcentric and/or Sexist Paradigm of Biology, in the Two-Day National Seminar on Women Issues in Philosophy and Religion, sponsored by Indian Council of Philosophical Research (New Delhi) and organized by the Dept. of Philosophy and Comparative Religion, Visva-Bharati, Santiniketan.

Rina Kar Dutta (Assistant Prof.)

1. Participated in the Seminar on Childs Rights organized by the Dept. of Philosophy, Asutosh College, 2010
2. Participated in a National Seminar on ‘Philosophy of Language : Objectivity and communicability of Meaning ‘ by the Department of Phylosophy, Jadavpur University on 10th March, 2011.
3. Participated in a Two day National Seminar on “ The Philosophical Contributions of Prof. Sibajiban Bhattacharya ” organized by the dept. of Philosophy, University of Calcutta, in collaboration with ICPR in December 12th & 13th, 2011.
4. Participated in the one day workshop on “ Some issues in Philosophy of Religion and Contemporary Indian Thought ”, held on September 15th, 2012 at Surendranath College.
5. Participated in the UGC sponsored seminar on “ Vivekananda : The nation Builder “ organized by Asutosh College in collaboration with “ The Ramkrishna Mission Institute of Culture ”, on 4th & 5th February, 2013.
6. Participated in the Periodic Lecture Programme on Indian Materialism and logic (Traditional and Modern), sponsored by ICPR ,New Delhi, and organized by the Dept. of Philosophy, Asutosh College, on 1st of March, 2013. Participated in an International seminar on “ Environmental Interface: An Interdisciplinary Approach Towards Sustainable Development ” organized by Muralidhar Girls College on May 3, 2013.
7. Participated in the Special Summer School, 2013 in Social Sciences on the thurst area “ Indian Art, History, Culture, Heritage and Conservation ” from July, 13-August 3, 2013.
8. Participated in a UGC sponsored National Level Seminar on “ XII th Plan Perspectives of Higher Education ” organised by Umeshchandra College Kolkata on 7th December, 2013.
9. Participated in the Two day National Seminar on “ Some Past Masters of Philosophy at Calcutta University : Reflections on Their Thoughts ” organized by the Department of Philosophy, University of Calcutta in collaboration with ICPR on Dec. 18th, 2013.
10. Presented a paper on “ Exploring Linguistic Creativity in Language Classroom “ in the International Seminar on “ Context and culture In Our Language Classrooms ” on 9th February, 2015 organized by the American Library , Kolkata in collaboration with the Department of English, Bangabasi Morning College.
11. Participated in a Two day National Seminar on “ Classical and Contemporary Epistemology,

Indian and Western Perspectives”, organised by the dept. of Philosophy, University of Calcutta (Under UGC- SAP- DRS Phase II Programme) held in March 3 & 4, 2015.

12. Participated in the Periodic Lecture Programme on Gender and Identity :Some Philosophical Reflections, sponsored by ICPR, New Delhi, and organized by the Dept. of Philosophy, Asutosh College, 20th of March, 2015.
13. Participated in the Refresher Course, organized by UGC Academic Staff College, University of Calcutta in the subject Philosophy and social sciences from March 27th to April 21, 2015.
14. Participated in a One day Seminar under SUN Project on “Religions Pluralism in India: Cause or Boom ” organized by Dept. of Philosophy, Women’s Christian COLLEGE, Kolkata, in collaboration with Dept of Philosophy, Jogomaya Devi College, Kolkata on 19th November, 2015.
15. Participated in the Centenary Lecture on Indian Philosophy (Nyaaya Epistemology) organized by Asutosh College on 16th December, 2015.

Prasenjit Bera (Presently a Guest Teacher)

1. Participated and presented a paper on Nagarjuna's Critique of Pramana, at UGC sponsored global seminar organized by Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, A.P., India.
2. Participated and presented a paper on Dharma –palan o Naitik Dvandva, organized by the Dept. of Philosophy & the Dept. of Sanskrit Sidho-kanho-Birsa University, Purulia, West Bengal.

EVALUATIVE REPORT

DEPARTMENT OF POLITICAL SCIENCE

1.	Name of the department:	POLITICAL SCIENCE		
2.	Year of Establishment:	1960		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG B.A. (Honours) B.A. (General) M.A. (PG Distant Mode)		
4.	Names of Interdisciplinary courses and the departments/ units involved	NIL		
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University of Calcutta Norms.		
6.	Participation of the department in the courses offered by other departments	NA		
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Dr Sukanta Acharya is engaged in Collaborative Research work with Professor Pradip Basu, Department of Political Science, Presidency University.		
8.	Details of courses/ programmes discontinued (if any) with reasons	NA		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor	-	-
		Associate Professor	1	1

ASUTOSH COLLEGE SSR 2015

		Assistant Professor	3	3		
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)						
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Dr. Sukanta Acharya		M.Phil., Ph.D	Assistant Professor of Political Science	Political Communication	27 YRS	Nil.
Sanchita Sanyal		M.A.	Assistant Professor of Political Science	Comparative Politics	13 YRS	Nil
Deborshi Khamrui		M.A.	Assistant Professor of Political Science	Public Administration	3 YRS	Nil
Avipsu Halder		M.A. , M.Phil	Assistant Professor of Political Science	Political Theory, I R Theory, Political Economy	1 YR	Nil
11.	List of senior visiting faculty		• Prof Giassuddin Molla: Dhaka University. • Prof Aswini Roy: JNU			
12	Percentage of lectures delivered by temporary faculty		NIL			
13.	Student -Teacher Ratio (programme wise)		Session		UG	
			2011-12		40:1	
			2012-13		43:1	
			2013-14		37:1	
			2014-15		41:1	
14.	Number of academic support staff (technical) and		NA			

ASUTOSH COLLEGE SSR 2015

	administrative staff; sanctioned and filled													
15.	Qualifications of teaching faculty with D.Sc./Ph.D./MPhil/PG	PhD: 01 MPhil: 01 MA : 2												
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL												
18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	D	e	f	g	h	i	j	k	l
Sukanta Acharya		13	4	4			3		2					
Sanchita Sanyal		3	3											
Deborshi Khamrui														

Avipsu Halder	6	2			3								
DETAILS OF PUBLICATION: ANNEXURE I													
“Polliticus” – published by Department of Political Science													
20.	Areas of consultancy and income generated:					NIL							
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.					SUKANTA ACHARYA Founder member South Asia Research Group. SANCHITA SANYAL MEMBER OF: a)West Bengal Political Science Association, Kolkata b)Council for Political Studies, Kolkata							
22.	Student projects												
a)	Percentage of students who have done in-house projects including inter departmental/ programme					NA							
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies					NA							
23.	Awards/ Recognitions received by faculty and students: NIL												
24.	List of eminent academicians and scientists/ visitors to the department:					•Prof Giassuddin Molla: Dhaka University. •Prof Aswini Roy: JNU							
25.	Seminars/ Conferences/ Workshops organized & the source of funding a) National: NILb) International: NIL												

ASUTOSH COLLEGE SSR 2015

26.	Student profile programme/ course wise:						
	Name of the Programme: BA with Political Science (Honours) (UG)						
Year	Appl Rcvd	Selected	Enrolled		Year	Pass %	No 1 st Class
			M	F			
2015-16	1425	91	38	53	2015-16	97.5%	2
2014-15	1041	86	48	38	2014-15	91.67%	NIL
2013-14	594	80	41	39	2013-14	100%	1
2012-13	491	76	38	38	2012-13	100%	2
ADMISSION RECORD OF 1ST YEAR AND PASS PERCENTAGE OF OUTGOING 3RD YEAR							
27.	Diversity of Students						
Name of the Course: : BA with Political Science (Honours) (UG)							
Year		% of Students from the same state		% of students from other States		% of students from abroad	
2015-16		94%		6%		NIL	
2014-15		82%		18%		NIL	
2013-14		92%		8%		NIL	
2012-13		96%		4%		NIL	
28	How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil services, Defence services, etc.? Ex-students of our institutions usually qualify NET, SLET and GATE.						
29.	Student progression:						
Student progression		Against % enrolled					
UG to PG		Around 20%-30%					
PG to M.Phil.		DATA NOT AVAILABLE					
PG to Ph.D.		DATA NOT AVAILABLE					
Employed		DATA NOT AVAILABLE					

Campus selection		DATA NOT AVAILABLE
Other than campus recruitment		DATA NOT AVAILABLE
Entrepreneurship/ Self-employment		DATA NOT AVAILABLE
30.	Details of Infrastructural facilities	
	(a) Library: DEPARTMENTAL LIBRARY: 1057 SEMINAR LIBRARY : 520 READING ROOM : 101	
	(b) Internet facilities for Staff & Students: Available. College is Wi-Fi enabled and staff and students have access to internet facility using departmental or personal computers and laptops	
	c) Class rooms with ICT facility: 1 class room centrally shared by other departments as per requirement	
	(d) Laboratories: NA	
31.	Number of students receiving financial assistance from college, university, government or other agencies	Students receive half and full waiver of tuition fee.
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	NIL
33	Teaching methods adopted to improve student learning: Group discussion. Participation in debates. Participation in Mock parliament.	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	Dr Sukanta Acharya	Paper Setter, Examiner (CU) Paper Setter (WBCS) Paper Setter (SSC) • Founder member South Asia Research Group.

	<ul style="list-style-type: none"> • Participated in a panel discussion on ‘Nationalism in an Era of Globalization’ and a lecture under the title Between Empire and International Order : Reflections on post Cold War Interventions during February 22 and 23, 2007 , Kolkata, India. • Co-chaired a seminar on , Democracy-Development Issues Today ‘ , on February 16, 2006, at Department of International Relations, Jadavpur University. • Participated in a Roundtable Discussion on Indo-US Civilian Nuclear deal on December 1, 2006. • Participated in a seminar on The Mode of production Debate Revisited in March 18, 2005. • Participated in a book discussion on Robert Dahl’s On Democracy on April 2, 2003 at the residence of Paul F. Narain’s { Deputy Public Affairs Officer, American Information resources Centre, Kolkata } Residence. • Participated in a seminar on ‘ language of Political Theory’ on March 17, 2004 at the Department of Political Science at the University of Calcutta. • Participated in a National seminar under the title, ‘Internal Sources of Threats to India’s Security as an invited delegate on 19-20 February,2003, Organized by the School of International Relations and Strategic Studies, Jadavpur University. • Participated in Seminar and presented a paper under the title ‘ Rights Left in the Era of Globalization : the state, civil society and politics at a State Level Seminar on March 9, 2005 at Charuchandra Evening College, Calcutta. • Participated in the Faculty Workshop for Partnership Colleges, held under the auspices of
--	--

	<p>the Ford Foundation at Calcutta on October 29, 2000.</p> <ul style="list-style-type: none"> Invited to present a paper under the title ‘Accounting for Modernity : Local Government accounting in England and Wales,1800-1995’ at the 5th Accounting History International Conferences between August 9-11, 2007, at Banff near Calgary, Canada. Empanelled as a reviewer for articles submitted to the Editor of Political Studies, the journal of the Political Studies Association of Great Britain. Empanelled as a reviewer for articles submitted to the Journal of Communication Inquiry vide a letter dated February 27, 2007, from the Editor, Professor Mervat Youssef, Cultural and Critical Studies Division of the Association for Education in Journalism and Mass Communication, School of Journalism & Mass Communication, University of Iowa.
Sanchita Sanyal	<p>Paper Setter, Examiner (CU)</p> <p>SEMINAR PARTICIPATION</p> <ul style="list-style-type: none"> “ Bishawan, Bangali Samaj O Bangali Rajniti”, February, 2009, Samaj Bigyan Mahasammelan Worked as a Convener of UGC seminar, 2011, on the topic, “Vivekananda: The Nation Builder”, organized by Asutosh College. Paper on “Vivekananda O tanar Samaj Bhavna”, Asutosh College, UGC seminar, 2011. Paper on “Vivekananda Samajik Darshan” Agharkamini PrakashChandra Mahavidyalaya, Hooghly, UGC seminar, 2013. Paper on “Hemanga Biswas O Challish Dashaker Sanskritik Andolon”, Bidhan Nagar Government sponsored,

		<p>UGC Seminar, 2013.</p> <p>•Participated in the International Seminar “On Ramkrishna’s Ideas and our Time”, organized by Ramakrishna Mission Vidyamandir, 2012</p>
	Debarshi Khamrui	Paper Setter, Examiner (CU)
	Avipsu Halder	<p>Examiner (CU)</p> <p>Guest Reviewer for Journal “Soccer and Society” and “Sport in Society” London and New York (Taylor and Francis)</p> <p>Lecture delivered on Models of Democracy in the Department of Political Science , Kidderpore College 2&3,Pitamber Sircar Lane,Kidderpore,Kolkata-700023,on December 17,2014 as part of the Students Enrichment Programme.</p> <p>Lecture delivered on Sports, culture and globalization: Department of History, Presidency University on 25.01.2015</p> <p>Lecture delivered on Sino-Indian bilateral Economic and Trade Relations on a Two Day (12.08.2015 - 13.08.2015)International Conference organized by Kolkata Society for Asian studies in collaboration with Maulana Abul Kalam Azad Institute for Asian Studies(MAKAIAS),Department of Political Science, University of Calcutta.</p> <p>Served as Coordinator for “Kolkata District Youth Parliament and Quiz Competition: 2015” organized by Asutosh College</p>
35	SWOC analysis of the department and Future plans	
	Strengths:	<p>Highly qualified Faculty members.</p> <p>Adequate infrastructure facility for all the Honours students of the discipline.</p> <p>Rich and varied collection of books in the departmental library</p>
	Weaknesses:	<p>The teacher student ratio is yet to manifest a favourable configuration.</p> <p>E-learning facility is not fully developed.</p>
	Opportunities:	The B.A. syllabus provide adequate knowledge about The

		Indian politics and its interaction with the international political dynamics. Hence, the course may be of great help for students aspiring to be future researchers and academicians. Also, it helps them to prepare for competitive examination at the Union and State Level.
	Challenges:	To provide support to students and at the same time carry out different examination and research related work
	Future plans:	<p>To carry out interdisciplinary project work.</p> <p>Arrange interactive sessions/workshops with teachers/researches/students of other institutions</p> <p>To introduce Post Graduate in the subject in near future.</p>

ANNEXURE I: DEPARTMENT OF POLITICAL SCIENCE

LIST OF PUBLICATION BY FACULTY:

Sukanta Acharya

PAPERS

1. At “Work” in West Bengal : The Bhadrolak, Communists, Peasants and Others, Jadavpur Journal of International Relation, 2002-2003 ,Department of International Relations, Jadavpur University, Kolkata.
2. American Exceptionalism : A Neo-conservative Face to Future, International Studies, 43,2(2006) : SAGE Publications, New Delhi/ Thousand Oaks/ London. ISSN: 0020-8817. SJR: 0.113.
3. Rights Left in the Era of Globalization, Jadavpur Journal of International Relations, 2004-05, Department of International Relations, Jadavpur university, Kolkata.
4. ‘Humour, Jokes and Statement’, Journal of Human Values, 12, 2 (2006) SAGE Publications / Thousand Oaks /London.ISSN: 0971-6858. h-Index: 8, SJR: 0.15.
5. ‘Security Dilemmas in Asia’, International Studies, 44,1 (2007), SAGE Publications, / London / Thousand Oaks. ISSN: 0020-8817. SJR: 0.113.
6. ‘Identity, Technological Communication and Education in the Age of Globalization in Gender, Technology and Development journal, 11(3),pp.339-356, (2007). SAGE, London .ISSN

0971-8524. SJR: 0.155.

7. Present and India's Past : Construction of Hindutva, Mainstream, September 10, 1994, pp. 16-20.
8. In the People's Name : Populism as a political form, in Journal of Humanities and Social Sciences, Number 8, July 2011, pp. 139-151. ISSN 0973-8738.

BOOKS

1. Language of Globalization and its Fragments, Kolkata : Avenel Press, April, 2012.
ISBN 978-93-80761-06-0
2. Future of Indian Democracy in a Globalizing World, Kolkata : Avenel Press, January, 2015.
ISBN 978-93-80761-47-3

CHAPTER IN BOOKS

1. 'Madness Engendered : Representation of women in the Public Sphere in Colonial and Post- colonial India', In Colonial Modernity : an Indian Perspective, ed., Pradip Basu Kolkata : Setu Prakashani, 2011, pp.204-218 . ISBN: 978-93-80677-13-2.
2. 'Representing a Fragmented Society : Hazaar Caurashi Ki Maa ', In., Red on Silver : Naxalites in Cinema, (ed.) Pradip Basu, Kolkata : Setu Prakashni, 2012, pp. 166-181. ISBN: 978-93-80677-22-4.
3. 'Sudipta Kaviraj : Transgressing Liminality, in., Modern Social Thinkers (ed.) Pradip Basu, Kolkata : Setu Prakashani 2012. Pp. 337-354. ISBN: 978-93-80677-26-2

Sanchita Sanyal

PAPERS

1. "Power of Language & Political Culture in West Bengal", Review Subcontinent, ISSN: 2229 614, vol. 10, June 2012.
2. "Jyoti Basu and the Parliamentary Politics", Review Subcontinent, ISSN: 2229 614, September 2014.
3. Dr. Pradip Basu (ed.), August 2012, "Naxal Andalan ebong Bengali Sanskrit – in Monone –

Srijone – Naxalbari”, Setu Publication.

Avipsu Halder

CHAPTER IN BOOKS:

1. Sporting Nationalism in the global Era ,in people at play: Sport, Culture and Nationalism, Amitava Chatterjee (ed.), Seetu Pub.,2013, ISBN 978-93-80677-46-0.
2. States, Market and Cricket: The Political Economy of Globalization in India(article) in Jadavpur Journal of International Relations,vol. 18,no. 1,pp 63-83, 2014,ISSN :8973-5984,New Delhi, Thousand Oaks &London: Sage publications.

BOOK REVIEW

1. Soccer versus the state: Tackling Football and Radical Politics, Soccer and Society, London& New York:Routledge,2014.

CONFERENCE PAPER

1. National Seminar on Indian Foreign Policy in 21stCentury:Its Dimensions and Directions organized by Dept. of Political Science, Hiralal Majumdar Memorial College for Women, Dakshineswar in Association with West Bengal Political Science Association(WBPSA)ON 11.09.2015
2. Conference Paper: Political Parties in the 21stCentury:strategies,Alignments and Issues ,at an International Conference on Political Science organized by the Department of Political Science, Association(IPSA) Research Committee on 7th-9th December 2015.

EVALUATIVE REPORT

DEPARTMENT OF SANSKRIT

1.	Name of the department:	SANSKRIT		
2.	Year of Establishment:	IA: 1916 UG (Pass): 1918 UG (Honours): 1936		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (Honours) UG (General)		
4.	Names of Interdisciplinary courses and the departments/ units involved	NIL		
5.	Annual/ semester/ choice based credit system (programme wise)	Annual system as per C.U. norms		
6.	Participation of the department in the courses offered by other departments			
	NIL			
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		
		Associate Professor		
		Assistant Professor	3	1
		CWTT	1	1
		PTT	1	1

ASUTOSH COLLEGE SSR 2015

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
	Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD students
	Sujata Roy	M.A., M.Phil., Ph.D.	Associate Professor	Kavya	29 yrs. (Retired on 2014)	NIL
	Arnab Patra	M.A., B.Ed., Ph.D.	Assistant Professor	Indian Philosophy (NYAYA)	8yrs	NIL
	Bhutnath Jana	M.A., B.Ed., M.Phil.	CWTT	Indian Philosophy	3yrs	NIL
	Deepa Bandyopadhyay	M.A., Ph.D.	PTT	Vedanta	10yrs	NIL
	Rakibul Sk.	M.A.	Guest Lecturer	Indian Philosophy	1 yr 4 months	NIL
	Debatri Ghosh	M.A.	Guest Lecturer	Epigraphy	2yrs 5 months	NIL
	Kuheli Majumdar	M.A.	Guest Lecturer	Indian Philosophy	1 yr	NIL
	Santosh Kumar Roy	M.A.	Guest Lecturer	Veda	4yrs	NIL
	Swapna Paul	M.A.	Guest Lecturer	Kavya	1 yr	NIL
11.	List of senior visiting faculty		NIL			
12	Percentage of lectures delivered by temporary faculty		Not Available			
13.	Student -Teacher Ratio (programme wise)		Session	UG		
			2011-12	15:1		
			2012-13	15:1		
			2013-14	16:1		
			2014-15	18:1		

14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	NIL												
15.	Qualifications of teaching faculty with D.Sc./Ph.D./MPhil/PG	Ph.D-2 M.Phil-1												
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL												
18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Arnab Patra		4							4					
Bhutnath Jana		2	2											

PUBLICATION LIST :
Prof. Arnab Patra

1. Sanskrit Drsyakavya:Parichay,Utpatti,Yugavibhag.(ISBN 978-81-929246-5-6)
2. Sanskrit DrsyakavyaRupakdharmita. (ISBN 978-81-92964-6-3),2015
3. Prabodh Chandrodaye Darsana. (ISBN 978-81-929246-8-7),2015
4. Krishna Mishra RachitoPrabodhChandodaya:Ektivislesana.(ISBN 978-81-929246-7-0),2015

Bhutnath Jana

1. BharatiyaDarshanikchintayVederSthan. ISSN-0587-1646
2. PrachinSmritisashtra o Gandhiji. ISBN-978-81-929882-6-9

20.	Areas of consultancy and income generated:	NIL	
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.		
		Name of Faculty	Committees
	a)National Committees	Dipa Bandyopadhyay	<ul style="list-style-type: none">• Vivekananda Kendra (Kolkata Branch)• PrajnaPravaha• Netaji Chetana Mancha• VivekBhasha• RkhalVenuSahityaPatrika• Vivekananda Centre for Social Service• SamskarBharati• SamskritaBharati
	b) International Committees	NIL	
	c) Editorial Board	Dipa Bandyopadhyya	Udbodhan (Ramkrishna Mission, Bagbazar)
22.	Student projects		
a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL	
b)	Percentage of students placed for projects in organizations outside	NIL	

	the institution i.e.in Research laboratories/ Industry/ other agencies							
23.	Awards/ Recognitions received by faculty and students:							
	Awards by Students:							
	NAME	AWARD				SESSION		
	Madhumita Shee	3 rd Position in Long Jump Competition organized by Education Directorate and patronage of Higher Education Dept., Govt. Of W.B.				2015		
	Madhumita Shee	3 rd Position in 100 mtr. Race organized by Education Directorate and patronage of Higher Education Dept., Govt. Of W.B.				2015		
24.	List of eminent academicians and scientists/ visitors to the department:							
	NIL							
25.	Seminars/ Conferences/ Workshops organized & the source of funding							
	a) National:	NIL						
	b) International:	NIL						
26.	Student profile programme/ course wise:							
	Name of the Programme: B.A. with SANSKRIT (Honours) (UG)							
	Year	Application Received	Select ed	Enrolled		Year	Pass %	No. 1 st Class
				M	F			
	2015-16	699	76	33	43	2015-16	100%	1
	2014-15	436	38	16	22	2014-15	93%	1
	2013-14	358	39	20	19	2013-14	97%	NIL
	2012-13	284	40	22	18	2012-13	81%	NIL
	NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year							
	27.	Diversity of Students						

	Name of the Course: : B.A. with SANSKRIT (Honours) (UG)			
	Year	% of Students from the same state	% of students from other States	% of students from abroad
	2015-16	100%	NIL	NIL
	2104-15	100%	NIL	NIL
	2013-14	100%	NIL	NIL
	2012-13	100%	NIL	NIL
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. N.A.			
29.	Student progression:			
	Student Progression		Against % enrolled	
	UG to PG		Around 70%	
	PG to M.Phil			
	PG to Ph.D			
	Employed			
	Campus Selection			
	Other than campus recruitment			
	Entrepreneurship/Self Employment			
30.	Details of Infrastructural facilities			
	(a) Library:			
	The department has its departmental seminar libraries in addition to the central library facility. Seminar Library contains 323 books Central Library contains 765 books			
	(b) Internet facilities for Staff & Students:			

	Laptop: 1 Pentium ® Dual Core CPU T4200 @ 2.00 GHz 2GB RAM, 500 GB HDD Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.	
	CONFIGURATION	NUMBER
		1
	(c) Class rooms with ICT facility: Centrally available	
	(d) Laboratories: NIL	
31.	Number of students receiving financial assistance from college, university, government or other agencies	
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	A special lecture on “Origin and evolution of Indian music.” Delivered by Prof. Sarbani Ganguly, Dept. Of Sanskrit, Jadavpur University
33	Teaching methods adopted to improve student learning:	
	Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> • Special classes are regularly taken to address the problems of the weaker students. • One-to-one contact method with students for problem solving and answer correction. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	NAME	Social Responsibility (ISR) and Extension activities
	Arnab Patra	Examiner, Calcutta University
	Dipa Bandyopadhyay	Examiner, Calcutta University
	Bhutnath Jana	Examiner, Calcutta University
		Presented a paper in the “National Seminar on Mahabharate Purusarth” organised by Department of

		Sanskrit and Philosophy, S.K.B.U. Presented a paper in the “National Seminar on Mahatma Gandhi” organised by Department of History, Lalpur College, Purulia.
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> • Dedicated faculty members. • Good relation with students and faculty members.
	Weaknesses:	<ul style="list-style-type: none"> • Lack of permanent faculty members. • Insufficient space in the classroom.
	Opportunities:	<ul style="list-style-type: none"> • Internet facility. • Library facility.
	Challenges:	<ul style="list-style-type: none"> • To make the students fit for the modern society. • To achieve much better results from students.
	Future plans:	<ul style="list-style-type: none"> • To introduce post graduate course in Sanskrit in regular mode. • To arrange more seminar, workshop and special lecture for student progression.

EVALUATIVE REPORT OF THE DEPARTMENT OF SOCIOLOGY

1.	Name of the department:	SOCIOLOGY				
2.	Year of Establishment:	1985		1988(Honours)		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG		B.A. (Honours) B.A. (General)		
4.	Names of Interdisciplinary courses and the departments/ units involved	NIL				
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University or Calcutta Norms				
6.	Participation of the department in the courses offered by other departments	NIL				
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL				
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL				
9.	Number of Teaching posts sanctioned and filled					
		Sanctioned			Filled	
	Professor	0			0	
	Associate Professor	1			1	
	Assistant Professor	1			1	
	Part Time Teacher	2			2	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Siddhartha Kar		MA, PGDIRPM	Associate Professor	Industrial Sociology	26 years	NIL
Soumen Das		MA	Asst. Professor	Development study	1 year	NIL
Jayita Das		MA, MPhil	PTT(Govt. Approved)	Rural and Urban Sociology	10 years	NIL
Mousumi Roy		MA	PTT(Govt. Approved)	Planning and Economic Development	10 years	NIL

ASUTOSH COLLEGE SSR 2015

11.	List of senior visiting faculty	NIL												
12	Percentage of lectures delivered by temporary faculty	NIL												
13.	Student -Teacher Ratio (programme wise)	Session	UG											
		2012-13	26:1											
		2013-14	30:1											
		2014-15	32:1											
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	NIL												
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	MA, PGDIRPM :1 MA, MPhil:1 MA: 2												
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL												
18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Soumen Das		3	2				1							
	Publications: <u>Soumen Das (Articles)</u> 1. “Homosexuality in India Revisited: Some recommendations and Research Directions”, Society Today, Vol- 1 , No-3, 2013, pages: 9-16.													

	2. “Understanding Spectator Violence in Indian Soccer: A Sociological Introspection”, 90 Minutes, Vol- 2, Issue- 4, Pages: 45-57. Soumen Das (Chapter in Books) 1. “ <i>Fighting Fans at Kolkata Maidan: An Exploration of its Social Context</i> ” in Chittabrata Palit and Purnima Majumder (Eds.), Social History of Sports: The Indian Context , 2014, Kunal Books, New Delhi.						
20.	Areas of consultancy and income generated:			NIL			
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.						
	a) National Committees			Soumen Das: Indian Sociological Society			
	b) International Committees			NIL			
	c) Editorial Board			NIL			
22.	Student projects						
a)	Percentage of students who have done in-house projects including inter departmental/ programme			All the 3 rd year Hons. Students do projects and submit dissertation.			
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies			NIL			
23.	Awards/ Recognitions received by faculty and students:			NIL			
24.	List of eminent academicians and scientists/ visitors to the department:			NIL			
25.	Seminars/ Conferences/ Workshops organized & the source of funding			12.02.12: “Swami Vivekananda: A Role Model for the Youth.” 04.09.2015: “ Individuality contra Feminity/Masculinity.” Speaker: Prof Bula Bhadra.			
26.	Student profile programme/ course wise:						
Name of the Programme: B.A. with SOCIOLOGY (Honours) (UG)							
Year	Applications Received	Selected	Enrolled		Year	Pass Percentage	No of 1 st Class
			M	F			
2015-16	793	61	14	47	2015-16	100%	3
2014-15	612	62	16	46	2014-15	90%	1
2013-14	552	48	12	36	2013-14	96%	2
2012-13	502	46	11	35	2012-13	82%	0
NB: Admission Record of 1 st Year and Pass Percentage of Outgoing3rd Year.							
27.	Diversity of Students						

ASUTOSH COLLEGE SSR 2015

Name of the Course: : B.A. with SOCIOLOGY (Honours) (UG)			
Year	% of Students from the same state	% of students from other States	% of students from abroad
2015-16	95%	5%	-
2014-15	96%	4%	-
2013-14	90%	10%	-
2012-13	99%	1%	-
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? Data not available		
29.	Student progression:		
UG to PG		70% (approx.)	
PG to M.Phil.		2% (approx.)	
PG to Ph.D.		Data not available	
Employed		Data not available	
1 Campus selection		Data not available	
2 Other than campus recruitment		Data not available	
Entrepreneurship/ Self-employment		Data not available	
30.	Details of Infrastructural facilities		
	(a) Library: Central Library: 395 books Seminar Library: 301 Reading Library: 54 Journal: 1		
	(b) Internet facilities for Staff & Students: Yes Laptop: 1 Pentium ® Dual Core CPU T4200 @ 2.00 GHz 2GB RAM, 500 GB HDD Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.		
(c) Class rooms with ICT facility:		Shared with other Humanities Departments.	
(d) Laboratories:		N.A.	
31.	Number of students receiving financial assistance from college, university, government or other agencies		
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:		<ul style="list-style-type: none">Centenary Lecture Series by Prof. Bula Bhadra of CU on Individuality Contra Femininity /Masculinity on 04/09/2015Centenary Lecture Series by Prof. Ashis Kr. Paul of Vidyasagar University on People of Andaman Islands on 09/10/2015
33	Teaching methods adopted to improve student learning:		
	Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are:		

	<ul style="list-style-type: none"> ○ Use of Computer aided digital presentation method ○ Special classes are regularly taken to address the problems of the weaker students. ○ One-to-one contact method with students for problem solving and answer correction. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	NAME	Social Responsibility (ISR) and Extension activities
	Siddhartha Kar	Internal GB Member, Head Examiner, Examiner, Paper-setter, Moderator of CU
	Soumen Das	Examiner of CU <ul style="list-style-type: none"> • Attended and presented paper in 40th ALL-INDIA SOCIOLOGICAL CONFERENCE, November 29, 30 and December 01, 2014. Title: “<i>Changing Face of Intimacy Among Young People in Kolkata: A Review of literature</i>” • Attended and presented paper in UGC- Sponsored National Seminar on “INDIAN NATIONHOOD AND NATIONALISM: PERSPECTIVES, PRESENTATIONS AND REFLECTIONS” organized by Department of Political Science, History and Bengali at Vidyanagar College, University of Calcutta on 28th and 29th of September, 2013. Title: “<i>Challenges and Prospects of Nation-building in Modern India: Linking Mythology with History and Reason</i>” • Attended and presented paper in UGC- Sponsored State-level Seminar on “SPORTS AND NATIONALISM” organized by Department of History, Ramsaday College, University of Calcutta, on 16th and 17th January, 2012. Title: “<i>Spectator Violence in Indian Soccer: A Sociological Analysis</i>”
	Jayita Das	Examiner: CU, RBU Paper-setter: CU
	Mousumi Ray	Examiner of CU
35	SWOC analysis of the department and Future plans	
	Strengths:	Dedicated faculty members. Intensive interaction between students and faculty members.
	Weaknesses:	Lack of sufficient number of permanent faculty members. Insufficient space in the classroom.
	Opportunities:	Internet facility. Library facility.
	Challenges:	To make the students fit for the modern society. To achieve much better results from students.
	Future plans:	To introduce post graduate course in Sanskrit in regular mode. To arrange more seminar, workshop and special lecture for student progression.

SCIENCE



EVALUATIVE REPORT

DEPARTMENT OF BIOCHEMISTRY

1.	Name of the department:	BIOCHEMISTRY			
2.	Year of Establishment:	2003			
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	B.Sc. (Hons.)			
4.	Names of Interdisciplinary courses and the departments/ units involved	ENVSc (PG) B VOC Course UGC Add-on course			
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University of Calcutta Norms			
6.	Participation of the department in the courses offered by other departments				
	Course	Faculty	Participation As		
	ENVSc (PG)	Dr. Chandra Chaudhuri	H.E. of Chemistry (Gen), Examiner Chemistry (Hons & Gen) HE of FNTA(Hons.)		
	ENVSc (PG)	Priyanka Mukherjee	Paper Setter/ Examiner		
	Add on Course – Industrial Chemistry	Priyanka Mukherjee	Teaching & Paper Setter, Examiner		
7.	Courses in collaboration with other universities, industries, foreign institutions etc.		NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons		NIL		
9.	Number of Teaching posts sanctioned and filled			Sanctioned	Filled
			Professor	-	-
			Associate Professor	1	1

ASUTOSH COLLEGE SSR 2015

		Assistant Professor	-	-		
		Contractual Whole Time Teacher	2	2		
		Part Time Teacher	1	1		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Chandra Chaudhuri		M.Sc., PhD	Associate Professor	Clinical Biochemistry	23	NIL
Ruma Das		M.Sc., PhD	CWTT	Molecular Biology, Cancer Immunology	6	NIL
Paromita Roy Choudhury		M.Sc., PhD	CWTT	Cancer Biology	4	NIL
Priyanka Mukherjee		M.Sc.	PTT	Structural Biology, Neuroscience	7	NIL
Sumangal Roy Choudhury		M.Sc.	Guest Teacher (2011 - 2014)		3	NIL
Nandini Bhattacharya		M.Sc., Ph.D.	Guest Teacher (2012 - 2014)		2	NIL
11	List of senior visiting faculty	Dr. Dipak Sen (2008 - 2014) Associate Professor Asutosh College (Retd) Dr. BimalBera (2009 - 2012) Dr. Samir Kumar Gayen (2009 - 2012) Associate Professor Asutosh College (Retd) Dr. S.N. Basu (2009 - 2010) Dr.Mukta Roy (2012 - 2014) Associate Professor, Jogamaya Devi College				
12	Percentage of lectures delivered by temporary faculty	7 – 12%				
13	Student -Teacher Ratio (programme wise)	Session		UG		
		2011-12		25:1		
		2012-13		25:1		
		2013-14		30:1		
		2014-15		38:1		

ASUTOSH COLLEGE SSR 2015

14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	• Lab assistant: 1 • Lab Attendant 2												
15	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 3 PG :1												
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL												
18.	Research Centre/ facility recognized by the University	NIL												
19	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
RUMA DAS		6	1	5									26	
PAROMITA ROY CHOUDHURY		10		10									26	
DETAILS OF PUBLICATION : ANNEXURE I														
20.	Areas of consultancy and income generated:				NIL									

ASUTOSH COLLEGE SSR 2015

21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.	
	a) National Committees	NIL
	b) International Committees	NIL
	c) Editorial Board	NIL
22.	Student projects	
a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	NIL
23.	Awards/ Recognitions received by faculty and students:	
	Awards received by students:	
	Name	Award
	Aditya Bhattacharya	Keshab Chandra Mukherjee Memorial Prize
	Jhilik Dey	Keshab Chandra Mukherjee Memorial Prize
	Pritha Ghosh	Keshab Chandra Mukherjee Memorial Prize
24.	List of eminent academicians and scientists/ visitors to the department:	
	Prof. Krishanu Chakraborty, Centenary Professor, Dept. of Biochemistry, C.U. Dr. Aditi Nag Chaudhuri, Head, Dept. of Microbiology, Lady Brabourne College Prof. Anirban Shidhanta, Chairperson UG Board of Studies, BCMA Prof. Sanjoy Ghosh Dept of Biochemistry, CU and Member BOS of Biochemistry(UG) Prof. Prosanto Bag, Member of UG Board of Studies of Biochemistry (UG)	
25.	Seminars/ Conferences/ Workshops organized & the source of funding	
	NATIONAL:	
	DATE	TITLE OF SEMINAR
	4.2.2016	2 nd Extension Lecture on Cell Biology by Prof. Anirban Shidhanta, , Department of Biochemistry Calcutta University & Chairperson UG Board of Studies, BCMA
		FUNDED BY
		Asutosh College

ASUTOSH COLLEGE SSR 2015

20.1.2016	Eye camp in collaboration with Titan Eye Care	Asutosh College
13.1.2016	Extension lecture on thermodynamics, chemical kinetics, quantum chemistry by Prof., P. Dutta, Anandamohan College, C.U.	Asutosh College
2015	Syllabus Orientation Workshop	Calcutta University
2015	Thalassemia Awareness Programme (In association with Suchetana NGO' & National Medical College)	Asutosh College
2015	Workshop on 'Preparation and antimicrobial action of silver Nanoparticles and isolation and function of macrophages.' Arranged by Department of Microbiology and Biochemistry. Asutosh College (2 nd and 3 rd December 2015) Funded by College.	Asutosh College
2014	Cancer Awareness Programme among College students	Indian Cancer Society (Kolkata Branch)
2014	Pharmaco vigilance of Drug Effect	Asutosh College
2013	Biochemical Diversity Encompassing Advanced Sustainable Development (In association with Vivekananda College)	UGC Sponsored 2 day Seminar Asutosh College/ Vivekananda College
2013	Thalassemia Awareness Programme (In association with Suchetana NGO' & School of Tropical Medicine)	Asutosh College
2013	Cancer Awareness Programme	Indian Cancer Society & Asutosh College
INTERNATIONAL:		NIL

26.	Student profile programme/ course wise:						
	Name of the Programme: BSc with BIOCHEMISTRY (Honours) (UG)						
Year	Applications Received	Selected	Enrolled		Pass %	Year	No of 1 st Class
			M	F			
2015-16	1168	57	30	27	100%	2015-16	13 (1 st &3 rd)
2014-15	1096	77	25	52	91.3 %	2014-15	19 (1 st & 3 rd)
2013-14	1036	54	18	36	90.9%	2013-14	23 (2 nd & 3 rd)
2012-13	963	42	17	25	96.5%	2012-13	11 (2 nd)
NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year							
27.	Diversity of Students						
Name of the Course: : BSc with BIOCHEMISTRY (Honours) (UG)							
Year		% of Students from the same state		% of students from other States		% of students from abroad	
2015-2016		100%		0		0	
2014-2015		98.7%		1.3%		0	
2013-2014		100%		0		0	
2012-2013		100%		0		0	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?						
	Being an UG college data of pass out students are not available in detail, however the data collected from the Alumni and from ex-students gives the following information.						
	PASS OUT YEAR (UG)			NET/SET QUALIFIED			
	2011			5			
	2012			10			
	2013			10			
29.	Student progression:						
Student progression							
UG to PG				92%			
PG to M.Phil.				5%			
PG to Ph.D.				80%			
Employed				5%			
Campus selection				2%			
Other than campus recruitment							
Entrepreneurship/ Self-employment							

30.	Details of Infrastructural facilities				
	<p>(a) Library: The department has its departmental seminar libraries in addition to the central library facility. TOTAL NO OF BOOKS IN SEMINAR LIBRARY: 316 TOTAL NO OF BOOKS IN CENTRAL LIBRARY 382</p>				
	<p>(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:</p> <table> <tr> <th>Configuration</th><th>Number</th></tr> <tr> <td>Processor :Intel Dual Core 3.0 GHz, Mother board:G41 Chip set, RAM 2 GB DDR 3, Monitor 17 wide screen monitor</td><td>1</td></tr> </table> <p>Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.</p>	Configuration	Number	Processor :Intel Dual Core 3.0 GHz, Mother board:G41 Chip set, RAM 2 GB DDR 3, Monitor 17 wide screen monitor	1
Configuration	Number				
Processor :Intel Dual Core 3.0 GHz, Mother board:G41 Chip set, RAM 2 GB DDR 3, Monitor 17 wide screen monitor	1				
	(c) Class rooms with ICT facility: 1 class room used centrally shared by other departments as per requirement.				
	<p>(d) Laboratories: One fully Air-Conditioned laboratory equipped with Modern Instruments Spectrophotometer, Polarimeter, Potentiometer, Conductivity meter, PH meter, Incubator, Microcentrifuge, digital Balance, Shaker incubator, Laminar flow, Vortex, Autoclave, Micro oven.</p>				
31.	<p>Number of students receiving financial assistance from college, university, government or other agencies</p> <p>NIL. (Being a self-financed course only Instalment facility is available to students)</p>				
32	<p>Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:</p> <p>Participated in National Symposium on “Facets of Chemistry for Biology” (FOCB) organised by Dept of Chemistry, St Xaviers College, 22 and 23 February 2016.</p>				
33	<p>Teaching methods adopted to improve student learning:</p> <p>Using LCD projector, group discussion, debate, seminar</p> <p>Some subjects like immunology, molecular Biology and cell biology contains several Three dimensional pictures, which can be shown easily with LCD projectors. Students can visualize the experiments more easily by seeing the pictures in power point.</p> <p>Group discussion increases the interaction between faculty and students, also it enhance the recent knowledge of the subjects. It also beneficial for their future employment.</p>				

34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	Name	Social Responsibility
	Dr. Chandra Chaudhuri	Member of BOS in Biochemistry (UG) of CU Head Examiner for UG in FNTA Paper setter, Moderator, Examiner for both PG and UG examiners of Food and Nutrition and Biochemistry in C.U. (for U.G. in BCMA) Scrutinizer of Chemistry at St Xaviers College. Examiner in Vocational Course in Clinical Nutrition and Dietetics course in C.U.
	Dr Ruma Das	Paper setter, Examiner in Biochemistry in C.U (UG)
	Dr Paromita Roy Chowdhury	Paper setter, Examiner in Biochemistry in C.U (UG)
	Smt Priyanka Mukherjee	Paper setter, Examiner in Biochemistry in C.U (UG). Paper Setter & Examiner PG Envs Moderator and Examiner in Chemistry in St Xaviers' College.
35	SWOC analysis of the department and Future plans	
	Strengths:	Strength of the department consists of highly qualified faculties, skilled non-teaching staff, friendly student teacher relationship, peaceful environment
	Weaknesses:	Weakness of the department is lack of sufficient laboratory space
	Opportunities:	Opportunities to get job in R & D and doing M.Sc. and Ph.D. in future. Permanent teachers not available in all branches of the subject area, as a result we depend on Guest Faculties.
	Challenges:	There is a possibility of introducing M.SC. in Biochemistry in future.
	Future plans:	To motivate more students towards research work. Involving students in project work. Setting up PG course in Biochemistry

ANNEXURE I: DEPARTMENT OF BIOCHEMISTRY

LIST OF PUBLICATION BY FACULTY

DR PAROMITA ROY CHOWDHURY

1. Association of XRCC1, XRCC3, and NAT2 polymorphisms with the risk of oral submucous fibrosis among eastern Indian population **Paromita Roy Choudhury**, et al. Article first published online: 16 NOV 2011 | DOI: 10.1111/j.1600-0714.2011.01097.x
2. Glutamate mediated signaling in the pathophysiology of autism spectrum disorders **Paromita Roy Choudhury**, Sanjukta Lahiri, Usha Rajamma .Pharmacology, Biochemistry and Behavior 100 (2012) 841–849. IF:2.537, SNIP: 0.838, SJR: 1.121.
3. Culture of human breast cancer cell line (MDA-MB-231) on fibronectin-coated surface induces pro-matrix metalloproteinase-9 expression and activity. Maity G, **Choudhury PR**, Sen T, Ganguly KK, Sil H, Chatterjee Tumour Biol. **2011** Feb;32(1):129-38. IF: 3.6, SJR: 0.99.
4. Fibronectin-integrin mediated signaling in human cervical cancer cells (SiHa). Maity G, Fahreen S, Banerji A, **Roy Choudhury P**, Sen T, Dutta A, Chatterjee A. Mol Cell Biochem. 2010 Mar;336(1-2):65-74. IF: 2.4, SJR: 1.02.
5. Multifunctional effect of epigallocatechin-3-gallate (EGCG) in downregulation of gelatinase-A (MMP-2) in human breast cancer cell line MCF-7. Sen T¹, Moulik S, Dutta A, **Choudhury PR**, Banerji A, Das S, Roy M, Chatterjee A. .Life Sci. 2009 Feb 13;84(7-8). IF: 0.17, SJR: 0.14.
6. Association of XRCC1, XRCC3, and NAT2 polymorphisms with the risk of oral submucous fibrosis among eastern Indian population. Mukherjee S, Bhowmik AD, **Roychoudhury P**, Mukhopadhyay K, Ray JG, Chaudhuri K. J Oral Pathol Med. 2012 Apr;41(4):292-302. IF: 1.9, SJR: 0.73.
7. Arsenic induced apoptosis in malignant melanoma cells is enhanced by menadione through ROS generation, p38 signaling and p53 activation. Chowdhury R, Chowdhury S, **Roychoudhury P**, Mandal C, Chaudhuri K. Apoptosis. 2009 Jan;14(1):108-23. IF: 3.6, SJR: 1.55.
8. hnRNP E2 is downregulated in human oral cancer cells and the overexpression of hnRNP E2 induces apoptosis. **Roychoudhury P**, Paul RR, Chowdhury R, Chaudhuri K. Mol Carcinog. 2007 Mar;46(3):198-207. IF: 4.7, SJR: 1.39.
9. Activation of mitochondrial promoter P(H)-binding protein in a radio-resistant Chinese hamster cell strain associated with Bcl-2. **Roychoudhury P**, Ghosh U, Bhattacharyya NP, Chaudhuri K.

Biochem Biophys Res Commun. 2006 Nov 17; 350(2):272-6. IF: 2.28, SJR: 1.15.

10. Evidence for heterogeneous nuclear ribonucleoprotein K overexpression in oral squamous cell carcinoma. **Roychoudhury P**, Chaudhuri K. Br J Cancer. 2007 Aug 20; 97(4):574-5; IF: 4.8, SJR: 2.94.

DR RUMA DAS

1. Isolation ,characterization and expression of a cyclin from Leishmaniadonovani- Sampali Banerjee, Rahul Banerjee, **Ruma Das**, Swadesh Duttgupta, ParthaSaha, FEMS Microbiology Letters, vol.226, (2003), pp.285-289. IF: 2.12, SJR: 1.13.
2. Purification and Characterization of receptors for myoinositol triphosphate and myoinositoltetrakisphosphate from Entamoeba histolytica- BanabehariGiri, **Ruma Das**, SanghamitraRaha and Susweta Biswas, Indian Journal of Biochemistry and Biophysics, vol. 38, August 2001, pp. 253-257. IF: 0.87, SJR: 0.31.
3. Murine Monoclonal Anti-Idiotypic antibody as a surrogate antigen for human HER-2/NEU- RathindranathBaral, Amanda Sherrat,**Ruma Das**, Kenneth A. Foon and Malaya Bhattacharya-Chatterjee, Int. J Cancer 2001 Apr 1,92(1),88-95. IF: 4.2, SJR: 2.66.
4. Counterpoint. Cancer vaccines: single epitope anti-idiotypic vaccine versus multiple-epitope antigen vaccine- Bhattacharya-Chatterje M., NathBaralR.,Chatterjee SK., **Das R.**, Zeytin H., Chakraborty M., Foon K.A., Cancer Immunol. Immunother. 2000 June; 49(3): 133-41. IF: 2.8, SJR: 2.07.
5. Clinical and Immune responses in advanced melanoma patients immunized with an anti-idiotypic antibody mimicking disialoganglioside GD2- Foon KA., Lutzky J., Baral R.N., Yannelli JR., Hutchins L., Teitelbaum A.,Kashala OL., **Das R.**,Garrison J., Reisfeld RA., Bhattacharya-Chatterjee M.,- J.Clin. Oncol.2000 Jan; 18(2):376-84. IF: 8.8, SJR: 9.2.
6. Clinical and immune responses in resected colon cancer patients treated with anti-idiotypic monoclonal antibody vaccine that mimics the carcinoembryonic antigen.- Foon KA., John WJ, Chakraborty M., **Das R.**, Teitlebaum A., Garrison J., Khasala O., Chatterjee SK., Bhattacharya-Chatterjee M.- J. Clin. Oncol.1999 Sep; 17(9): 2889-95. IF: 7.9, SJR: 9.2.

EVALUATIVE REPORT

DEPARTMENT OF BOTANY

1.	Name of the department:	BOTANY	
2.	Year of Establishment:	1918 (B.Sc.)	1985 (Honours)
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	B.Sc. (Hons.) B.Sc (Gen.)	
4.	Names of Interdisciplinary courses and the departments/ units involved	Microbiology(Hons) Zoology (PG) Env. Sc. (PG)	
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University of Calcutta norms	
6.	Participation of the department in the courses offered by other departments	Microbiology, Environmental Science, Zoology, NET Coaching	
	COURSE	FACULTY	PARTICIPATION AS
	Microbiology	Dr Soma Halder	Head of the Dept Teaching, Paper Setter, Examiner
	EnvSc (PG)	Dr Soma Halder	Teaching Paper Setter Examiner
		Dr Tathagata Ray Chaudhuri	Teaching Paper Setter Examiner
	EnvSc (PG)	Dr Amitava Ghosh	Teaching Paper Setter Examiner
	Zoology (PG)	Dr Tathagata Ray Chaudhuri	Teaching Paper Setter Examiner
	NET	Dr Soma Halder Dr Tathagata Ray Chaudhuri	Teaching
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL	
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL	

ASUTOSH COLLEGE SSR 2015

9.	Number of Teaching posts sanctioned and filled				Sanctioned	Filled
				Professor	1 (Principal)	1
				Associate Professor	-	-
				Assistant Professor	6	4
				Contractual Whole Time Teacher	2	2
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
	Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
	Dr Dipak Kumar Kar	MSc, PhD	PRINCIPAL	Cytogenetics, Plant breeding, Tissue culture	31	NIL
	Dr Jyotirmoy Ghosh	MSc, PhD	Associate Professor	Mycology & Plant-Pathology	27 (Retd 2013)	NIL
	Dr Tathagata Ray Chaudhuri	M.Sc.,PhD	Reader	Cytogenetics & Biotechnology	17	1
	Dr Soma Halder	M.Sc.,M.Tech; Ph.D	Assistant Professor	Microbiology,Plant Biotechnology,	15	NIL
	Dr Amitava Ghosh	M.Sc., PhD	CWTT	Plant Physiology & Biochem	15	NIL
	Dr Monidipa Bhattacharyya	M.Sc., PhD	CWTT	Plant Physiology & Biochem	3	NIL
	Dr Supatra Sen	M.Sc., M.Phil.; M.Ed.; PhD	Assistant Professor	Plant Physiology & Biochem	11+	NIL
	Sri Pradyut Biswas	M.Sc.	Assistant Professor	Microbiology	11+	NIL
11.	List of senior visiting faculty		NIL			
12	Percentage of lectures delivered by temporary faculty		2%			
13.	Student -Teacher Ratio (programme wise)		Session	UG		
			2011-12	19:1		
			2012-13	18:1		
			2013-14	19:1		
			2014-15	15:1		

ASUTOSH COLLEGE SSR 2015

14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Technical -1,	Administrative -3
		Paramita Samanta (Contractual)	1. PrahladNaskar 2. Basudeb Ghosh 3. Narendra Kumar Yadav (Contractual)
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	Ph.D. -5, PG -1	
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:		
	FACULTY	TITLE	GRANT
	Dr Soma Halder	Study of Potential Microalgal source from waste-water bodies of Kolkata and adjacent areas for biomass production using waste water	UGC Minor Project Grant-1,13,500/- Dec.2010-Dec 2012
		Study of Toxicity and Heavy Metal removal potential of some microalgal species isolated from waste water and heavy metal removal from Tannery Effluents of Kolkata.	UGC Minor Project Grant-1,13,500/- Mar2014-Mar2016 3,15,000/-
	Dr Amitava Ghosh	Interrelation ship of low molecular weight peptide and heavy metal absorption by the lower groups of plants and simultaneous effect on plant Physiological parameters .	UGC Minor Project 2005-2007 92,000/-
		Study of Phytotoxicity and accumulation pattern of irrigation contaminated heavy metals in some selected Crops and vegetables of Malda district.	UGC Minor Project 2010-2011 1,62,000/-
		Profile study of Peptides and antioxidants of Mulberry leaves:In relation to their potential in artificial diet rearing system of Silkworm	UGC Major Project 2011-2014 7,22,930/-
	Dr Supatra Sen	Arsenic phytoremediation using <i>Pteris vittata</i> and <i>Eichhornia crassipes</i>	UGC Minor Project
	Pradyut Biswas	Studies on some wild food plants of Arambag	UGC Minor Project 2010- 2012
		Antibacterial Activity of some medicinal plants of Arambag subdivision Hooghly	UGC Minor Project 2014- 2016
	Dr Monidipa Bhattacharya	Survey and documentation of the status, habitat and local uses of medicinal and aromatic plants of South 24 Parganas	UGC Minor Project
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC funded Projects	
18.	Research Centre/ facility recognized by the University	NIL	

19. Publications:	<ul style="list-style-type: none"> a) Publication per faculty b) Number of papers published in peer reviewed journals (bl.national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index 												
FACULTY	a	b1	b2	c	d	e	f	g	h	i	j	k	l
Dr. Dipak Kumar Kar	14	14						8					
Dr Jyotirmoy Ghosh	6	2	4										
Dr. T Ray Chaudhuri	4	1	3										
Dr. Soma Halder	4			4				4					
Dr.Amitava Ghosh	11												
DrSupatra Sen	46	16	7			6		4					
Sri Pradyut Biswas													
PUBLICATION LIST : ANNEXURE I													
20.	Areas of consultancy and income generated:	NIL											
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.												
	a) National Committees	NIL											
	b) International Committees	NIL											
	c) Editorial Board	Dr.Supatra Sen is on the Editorial Board of the Academic Journal of Uluberia College											
22.	Student projects												
a)	Percentage of students who have done in-house projects including inter departmental/ programme	Students participate in field excursion and prepare field report. Each year 20% students of ENVIS (PG) do their projects in Botany.											
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research	NIL											

	laboratories/ Industry/ other agencies		
23.	Awards/ Recognitions received by faculty and students: AWARD RECEIVED BY FACULTY: Dr.Supatra Sen is the recipient of the <i>Environmentalist of the Year</i> Award (2015) given by the Scientific and Environmental Research Institute and Confederation of Indian Universities, New Delhi.		
	AWARD RECEIVED BY STUDENTS:		
	NAME	AWARD	SESSION
	Pallabi Dutta Banik	Ramendra Krishna Sarkar Memorial Prize DrParimal Kumar Roy Memorial Prize	2015
	SubhadipBhramachari	Ramendra Krishna Sarkar Memorial Prize DrParimal Kumar Roy Memorial Prize	2014
	Madhushree Dutta	Ramendra Krishna Sarkar Memorial Prize DrParimal Kumar Roy Memorial Prize	2013
	Satabdi Roy	Ramendra Krishna Sarkar Memorial Prize DrParimal Kumar Roy Memorial Prize	2012
24.	List of eminent academicians and scientists/ visitors to the department:	Prof.Sumita Jha, Dept. Of Botany, CU Prof. Anita Mukherjee, Dept. Of Botany, CU; Prof.Ruma Pal, Dept. Of Botany, CU; Prof. N.D. Paria. Dept. Of Botany, CU; Prof.Sandip Mukherjee Dept. Of Botany, CU; Prof. A.K. Biswas, Dept. Of Botany, CU; Dr.MousumiPoddar Sarkar, Dept. Of Botany, CU Dr GaurabGangopadhyay, Bose Institute Dr. N.K Mondal, Dept of Environmental Science, B.U.; Prof. Moutusi Mitra, University of west Georgia; Dr. Rina Chakraborty, Retd. Director, Z.S.I.;	
25.	Seminars/ Conferences/ Workshops organized & the source of funding		
	NATIONAL:		
	DATE	TITLE OF SEMINAR	FUNDED BY

ASUTOSH COLLEGE SSR 2015

	3 rd and 4 th March 2011.	Seminar on present scenario and future prospects of Microbiology and Plant Biotechnology.	UGC sponsored National Seminar in collaboration with Bose Institute
--	---	---	---

26. Student profile programme/ course wise:							
Year	Applications Received	Selected	Enrolled		Year	Pass %	No of 1 st Class
			M	F			
2015-16	2165	89	39	50	2015-16	95.45%	7
2014-15	2096	108	47	61	2014-15	100%	8
2013-14	2158	70	29	41	2013-14	97.06%	16
2012-13	1954	79	34	45	2012-13	100%	5

NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year

27. Diversity of Students			
Name of the Course :			
Year	% of Students from the same state	% of students from other States	% of students from abroad
2015-16	98%	2%	NIL
2014-15	98%	2%	NIL
2013-14	98%	2%	NIL
2012-13	96%	4%	NIL

28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NET : 8 GATE: 12
----	---

29.	Student progression:
Student progression	
UG to PG	About 60% - 70%
PG to M.Phil.	
PG to Ph.D.	10%
Employed	10%
Campus selection	Around 5%
Other than campus recruitment	
Entrepreneurship/ Self-employment	

30.	Details of Infrastructural facilities
(a) Library:	The department has its departmental seminar libraries in addition to the central library facility. Departmental library is well maintained. It contains 837books . Reading – 70

ASUTOSH COLLEGE SSR 2015

Main Library – 320 Seminar Library – 447			
(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:			
Configuration		Number	
1.Desktop- Intel Core 2 Duo Processor @2.93 GHz (E7500,3MBL2 cache, Intel original DG31PR ,Mother board,2GB 800 MHz DDB2 RAM, 250 GB, SATA 2 Hard Disk Drive, Full ATX cabinet with 450 W SMPS.		1	
2. Printer : A) Deskjet 1505 B) Laserjet CP1025		2	
3.Three button optical scroll mouse.		1	
4.108 Key’s Multimedia Keyboard		1	
5. 22X speed dual layer DVDRW Driver		1	
6.graphics,sound,10/100Mbps NIC all are inbuilt in M/B		1	
7.LCD multimedia projector		1	
8.Laptop- DELL (insprion 14 intel core i3-2310M processor,Intel HD, Wi-fi,Webcam.		1	
College is Wi-Fi enabled and staff and students have access to internet facility using departmental or personal computers and laptops			
(c) Class rooms with ICT facility: 2 overhead and LCD projectors used regularly in class			
(d) Laboratories: 4 laboratories : 2for General and Honours students and 2 laboratories exclusively for Honours students, also used for Research purpose. Laminar Air Flow, Spectrophotometer, Incubator(Digital), Centrifuge(Digital), Micro centrifuge, PH meter, Digital Balance, waterbath, magnetic stirrer, Protein Gel electrophoresis system, DNA gel electrophoresis, Powerpack, UV trans illuminator, Ultra filtration set up with low mol.wt. filters under N2 pressure, Deep freeze(-200 c), Distillation unit, Projection microscope, Simple and Compound Microscope, , Olympus digital camera			
31.	Number of students receiving financial assistance from college, university, government or other agencies	NIL	
32	Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts:	Centenary lecture series on “Emerging Trends in Plant Sciences” with lectures by distinguished academicians; special lectures also given by experienced faculty members of other colleges	
	DATE	SPEAKER	TOPIC OF LECTURE
	28/09/2015	Prof Asok Biswas, Dept of Botany CU	Energy Transduction in Chloroplasts
		Dr MousumiPoddar Sarkar, Dept of Botany CU	Nature Nurturing &Bioresource Management: with technology of 21 st

ASUTOSH COLLEGE SSR 2015

			Century.
	15/10/2015	Dr GourabGangopadhyay. Bose Institute.	Towards 2 nd Green Revolution... Role of Biotechnology and Molecular Marker Assisted Breeding
		Dr Amitava Ghosh. Asutosh College	Low molecular weight mulberry Leaf peptide, silkworm and silk.
		Prof. Sandip Mukhopadhyay	Protoplast Culture and its Applications
	11/12/2015	Dr. N.K.Mondal	Green Synthesis of Heavy Metal Nanoparticles and Its Applications
	22/12/2015	Dr. Mautusi Mitra, Associate Professor, University of West Georgia	Functional genomics of eukaryotic oxygenic photosynthesis and photosynthetic pigment metabolism in the model green alga <i>Chlamydomonas reinhardtii</i> .
		Dr. Rina Chakraborti, Jt. Director (Retd.) , Zoological Survey of India	Relationship and Dependence of plants and animals.
33	Teaching methods adopted to improve student learning:		
	<p>Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are:</p> <ul style="list-style-type: none"> • Use of Computer aided digital presentation method, • e-learning in classroom • Special classes are regularly taken to address the problems of the weaker students. • One-to-one contact method with students for problem solving and answer correction. • Field excursion for ecological study. • Training on collection of plant species. 		
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:		
	Dr Dipak Kumar Kar	<ul style="list-style-type: none"> • Principal, Asutosh College. • Chairman, WB College Service Commission. • Member of Syndicate, Universities of W.B. • Resource person of Refresher Course, NAAC awareness programme 	
	Dr Tathagata Ray Chaudhuri	<ul style="list-style-type: none"> • Paper Setter, Examiner (CU) • Paper Setter (WBCS) • Paper Setter & Examiner (Envs (PG) Asutosh College) • Co-ordinator IQAC, Asutosh College • Co-ordinator BOOST Asutosh College • Member BOS Envs (PG) • Member Botanical Survey of India. • Ph.DCo-Guide of Biswarup Das (CU) • Organised UGC sponsored National Seminar on “ Recent Advances in Microbiology and Plant Biotechnology,” at Asutosh College in collaboration with Bose Institute 	

		<p>Calcutta.</p> <ul style="list-style-type: none"> • Attended NAAC Awareness Seminar at Gourbanga University, Burdwan University, Calcutta University and New Alipore College. • Member Botanical Society of India. • Member ProbirChatterjee Memorial Foundation
	Dr Soma Halder	<ul style="list-style-type: none"> • Paper Setter, Examiner (CU) • Paper Setter & Examiner (Envs (PG) Asutosh College) • Moderator (Envs UG (CU))
		<ul style="list-style-type: none"> • Resource Person in Workshop on BSc Bot (Hons) PartIII Practical for College Teachers (Dept of Bot CU 2013) • Guides MSc Students Project of EnvsDept (PG) • Guides BSc Students of Microbiology (UG) • Organised UGC sponsored National Seminar on “ Recent Advances in Microbiology and Plant Biotechnology,” at Asutosh College in collaboration with Bose Institute Calcutta. • Attended National workshop on Present Scenario and Future Prospect of Cryptogamic Botany-2011 . Dept. of Bot. C.U. • Attended the National Seminar on Advances in Statistics Techniques and Applications.-Asutosh College,2013. • Member Botanical Society of India. • Member ProbirChatterjee Memorial Foundation
	Dr Supatra Sen	<ul style="list-style-type: none"> • Examiner (CU) • Head Examiner, Paper Setter, Moderator (L.Sc B. Ed) • Paper Setter (MEd)
		<ul style="list-style-type: none"> • Resource Person at UGC sponsored National Seminar “Environmental History of India” at NabaBallygunjMahavidyalaya(2014); • Resource Person in special NSS camp on ‘AIDS awareness’ at Uluberia College (2015); • Co- Chairperson in Technical Session 1 in National Seminar “Aqua-Resources : Care & Concerns” organized by SEBA; 2015 • Member of Plant Physiology Forum • Member Botanical Society of Bengal • Member BangiyaBigyanParishad.

		<ul style="list-style-type: none"> Dr. Supatra Sen, is associated with 'Asha-Arko,' an organization for the specially-abled working towards 'Inclusive Education'
	Pradyut Biswas	<ul style="list-style-type: none"> Examiner (Burdwan University)
	Dr Amitava Ghosh	<ul style="list-style-type: none"> Paper Setter, Examiner (CU) Paper Setter & Examiner (Envs (PG) Asutosh College) Examiner (Biswabharati University)
		<ul style="list-style-type: none"> Co-guide of PhD (North Bengal University) Co-guide of PhD (Jadavpur University) Co-guide of PhD (EnvsScDept)
	Dr Monidipa Bhattacharya	<ul style="list-style-type: none"> Examiner (CU)
35	SWOC analysis of the department and Future plans	
	Strengths:	<p>Highly qualified faculty. Skilled non-teaching staff, cordial student teacher relationship.</p> <p>Well-equipped laboratory infrastructure.</p> <p>Extensive use of ICT in teaching learning.</p> <p>Well-equipped Seminar Library.</p> <p>Active research activity by Departmental Faculty.</p>
	Weaknesses:	<p>High student to teacher ratio also sometimes makes it difficult as per individual care is concerned.</p>
	Opportunities:	<p>Dept. of Botany having faculty members with high academic qualification and research activity has opportunity for enhancing the research activity of the college and to introduce the post-graduation.</p>
	Challenges:	<p>The college building being shared with two other colleges, one morning and one evening colleges, imposes inconvenience regarding space and time. Carrying out normal class according to the Scheduled routine and not hampering the academic activities is the challenge of the Department.</p>
	Future plans:	<p>The department would like to open Post graduate course in near future.</p>

ANNEXURE I: DEPARTMENT OF BOTANY

LIST OF PUBLICATION BY FACULTY

Dr. D. K. Kar

Books published

1. PLANT BREEDING AND BIOMETRY by Dr. **Dipak Kumar Kar** and Soma Halder (2006)
New Central Book Agency
2. PLANT BIOSYNTHETIC PATHWAYS by Dr. Debabrata Choudhury **Dr. Dipak Kumar Kar**
and Soma Halder (2007) New Central Book Agency
3. CELL BIOLOGY GENETICS & MOLECULAR BIOLOGY by **Dr. Dipak Kumar Kar** and
Soma Halder (2008) New Central Book Agency
4. PLANT BIOTECHNOLOGY PLANT BREEDING & BIOMETRY by **Dr. Dipak Kumar Kar**
and Soma Halder (2010) New Central Book Agency

Published Research Papers

1. "Chromosome characteristics of *Asparagus* – sapogenin yielding plant." **Dipak Kumar Kar** and
Sumitra Sen: Cytologia, (1985) 50(1): 147-155. IF: 0.205, h-Index: 22, SJR: 0.23
2. "Effect of hormone on chromosome behaviour in callus culture of *Asparagus racemosus*." **Dipak
Kumar Kar** and Sumitra Sen: Biologia Plantarum (1985): 27(1): 6-9. IF: 1.09, h-Index: 57, SJR:
0.62.
3. "Propagation of *Asparagus racemosus* through tissue culture": Dipak Kumar Kar and Sumitra
Sen: Plant Cell, Tissue and Organ Culture, (1985): 89-95. IF: 2.33, h-Index: 60, SJR: 0.79.
4. "Chromosomal changes in speciation of *Asparagus*." Dipak Kumar Kar and Sumitra Sen.
Acta Biologica Cracoviensia. (1987) Series: Botanica, Vol XXIX: 31-34. IF: 0.730, h-Index: 19,
SJR: 0.27.
5. "Content of sapogenins in diploid, tetraploid and hexaploid *Asparagus*": Dipak Kumar Kar and
Sumitra Sen International Journal of Crude Drug Research (IJCDR) (1986): 24(No 3): 131-133.
IF: 1.546.
6. "Effect of gamma irradiation on callus tissues of *Asparagus racemosus*" : Dipak Kumar Kar and
Sumitra Sen. Nucleus (1985): 28 (No 1 & 2) 52-55. IF: 0.32, h-Index: 25, SJR: 1.28.
7. "*Smilax zeylanica* – a new source of diosgenin": Dipak Kumar Kar and Sumitra Sen : Current
Science (1984) : 53 (12) 661. IF: 0.833, h-Index: 84, SJR: 0.32.

8. "Sarsasapogenin in callus culture of *Asparagus racemosus*." Dipak Kumar Kar and Sumitra Sen : Current Science (1985) : 54(12) : 585. IF: 0.833, h-Index: 84, SJR: 0.32.
9. "Sapogenins at different ploidy levels of *Asparagus*." Dipak Kumar Kar and Sumitra Sen : Current Science (1986) : 55(4) 198. IF: 0.833, h-Index: 84, SJR: 0.32.
10. "Sapogenin content in different populations and at different growth phases of *Asparagus racemosus*" Dipak Kumar Kar and Sumitra Sen : Acta Botanica Indica (1985) : 13 (No2) : 139-142. IF: 0.67, h-Index: 8, SJR: 0.13.
11. "Organogenesis of diploid *Asparagus racemosus* through callus culture." Dipak Kumar Kar and Sumitra Sen: Proceedings of Indian National Science Academy (1984): B 50 (NO1).
12. "Initiation maintenance and cytological study of the callus of *Asparagus racemosus*." Dipak Kumar Kar and Sumitra Sen: (1982) : Cell and Chromosome Research. 5:(2) 57-61.
13. "A correlation between sapogenin content and ploidy level in the genus *Asparagus*." Dipak Kumar Kar and Sumitra Sen: (1984) : Cell and Chromosome Research. 7 : (1) 10-15.
14. "In vitro synthesis of sapogenin in *Asparagus racemosus* Wild." Dipak Kumar Kar and Sumitra Sen: (1984) : Proceedings of the National Symposium on Applied Biotechnology of Medicinal., Aromatic and Timber yielding plants. (Ed. Prof. P.C. Datta) Calcutta. (1984).

Dr. J. Ghosh

1. Detoriorative abilities of some common storage fungi of wheat." J. Ghosh and B. Nandi: Seed Science and Technology : (1986) 14, 141-149. IF: 0.54, h-Index: 32, SJR: 0.26.
2. "Post – harvest production of ochrotoxin A in barely with different protein levels by *Aspergillus ochraceus* and *Penicilliumviridicatum*." P. Haggblom and J. Ghosh: Appl. Environ. Microbiol. (1985) 49, 787-790. IF: 4.31, h-Index: 253, SJR: 1.89.
3. "Effect of sublethalconcentrations of propionic and butyric acids on growth and aflatoxin production by *Aspegillusflavus*." J. Ghosh and P. Haggblom: Int. J. Food Microbial. (1985) 2, 323-330. IF: 2.76, h-Index: 142, SJR: 1.64.
4. "Acceptability and pathological changes in organs in rats fed wheat contaminated with a mixed culture of *Aspergillus* and *Penicillium* species." J. Ghosh, S.N. Nandi, B. Nandi and S. Thomke: Nord. Vet. Med. (1983) 35, 364-371.
5. "Use of some volatile compounds in the preservation of wheat grains from fungal deterioration in storage under Indian conditions." J. Ghosh, B. Nandi and N. Fries : Z. Pflanzenkr. Pflanzenschutz (1982) 89, 410-418.

6. "Deterioration of stored wheat caused by fungal infections under different conditions of temperature and relative humidity." J. Ghosh, B. Nandi and N. Fries : Z. Pflanzenkr. Pflanzenschutz (1981) 88, 9-17.

Dr. Tathagata Ray Chaudhuri

1. Sarkar, S., Chaudhury, S., Basu, A., Ray, S., **Ray Chaudhuri T.**, Samajpati, N. and Kundu, S. Effect of Culture condition on the sporulation and virulence of *Magnaportheoryzae* isolated from rice field of Hoogly, West Bengal. Journal of Mycopathological Research, 48 (2) : 11-15 (2010).
2. Chowdhury, S., Basu, A., **Ray Chaudhuri T.** and Kundu, S. *In vitro* characterization of the behavior of *Macrophominaphaseolina* (Tassi) Goid at the rhizosphere and during early infection of roots of resistant and susceptible varieties of sesame. European Journal of Plant Pathology, 138 : 361-375 (2014). IF: 1.54, h-Index: 74, SJR: 0.74.
3. Arpita Basu, Sarmistha Ray, Swadesh Sarkar, **Tathagata Ray Chaudhuri** and Surekha Kundu, "Agrobacterium mediated genetic transformation of popular Indica rice Ratna (IET 1411)." African Journal of Biotechnology 13(31) : 3187-3197 (2014). IF: 0.44, h-Index: 56, SJR: 0.3.
4. Biswarup Mukherjee, Pritam Das, **Tathagata Ray Chaudhuri** and Tapash Dasgupta, "Characterization of Arsenic contaminated rice (*Oryza sativa* L.) through RAPD markers." IOSR Journal of Agriculture and Veterinary Science. 5(1) : 10-14 (2013). IF: 1.739.

Dr. Soma Halder

Scientific papers

1. Begum F., **Paul S.**, Sikdar SR. and Sen SK. (1995): Somatic hybrids between Brassica juncea (L) Czern. and Diplotaxis harra (Forsk.) Boiss. and the generation of backcross progenies. Theoretical and Applied Genetics, 91: 1167-1172. IF: 3.16, h-Index: 144, SJR: 1.93.
2. **Paul S.** and Sikdar SR (1999): Expression of nptII and gus reporter genes and their inheritance in subsequent generations of transgenic Brassica developed through Agrobacterium mediated gene transfer. Current Science, 76:1569-1573. IF: 0.833, h-Index: 84, SJR: 0.32.
3. **Paul S.** and Sikdar SR (2005): Regeneration of plant from the root explants of Brassica campestris L. through somatic embryogenesis. Current Science, 89(8): 1323-1325. IF: 0.833, h-Index: 84, SJR: 0.32.
4. **Halder (Paul) S** (2014): Bioremediation of heavy metals through Fresh water microalgae: A

Review. Scholars Academic Journal of Biosciences, 2(11): 825-830

Books published

1. PLANT BREEDING AND BIOMETRY by Dr. Dipak Kumar Kar and **Soma Halder** (2006) New Central Book Agency
2. PLANT BIOSYNTHETIC PATHWAYS by Dr. Debabrata Choudhury Dr. Dipak Kumar Kar and **Soma Halder** (2007) New Central Book Agency
3. CELL BIOLOGY GENETICS & MOLECULAR BIOLOGY by Dr. Dipak Kumar Kar and **Soma Halder** (2008) New Central Book Agency
4. PLANT BIOTECHNOLOGY PLANT BREEDING & BIOMETRY by Dr. Dipak Kumar Kar and **Soma Halder** (2010) New Central Book Agency

Dr. Amitava Ghosh

1. Amitava Ghosh et al. Wheat (*Triticum aestivum*) peptide(s) mimic GA action and regulate stomatal opening. Indian Journal of Experimental Biology. Vol. 48. 77-82. 2010. IF: 1.165, h-Index: 51, SJR: 0.377.
2. Amitava Ghosh et al. Free- radical scavenging properties of low molecular weight peptide(s) isolated from S1 cultivar of mulberry leaves and their impact on *Bombyx mori*(L) (*Bombycidae*). Journal of Animal science and Biotechnology..5:16.2014. IF: 2.037, h-Index: 10, SJR: 0.87.
3. Amitava Ghosh et al. Effect of city drain water on low molecular weight peptide profile (0.5 – 3.0 kDa) in relation to germination and antioxidant parameters of common edible seeds. Ind. J. Mul. Acad. Res. 1: 9-16. 2014.
4. Amitava Ghosh et al. Influence of antioxidant rich mulberry peptides on the growth rate pattern and economic attributes of silkworm. International journal of pure and applied Bioscience. 3(2): 63-71. 2015. IF: 0.654.
5. Amitava Ghosh et al. Impact of feeding of low molecular weight mulberry peptides on cocoon and silk development by *Bombyx mori* L. (*Bombycidae*) - A SEM study. Journal of Bioaciences. Accepted on May. 2015. IF: 2.064, h-Index: 54, SJR: 0.84.
6. Amitava Ghosh et al. Role of low molecular weight peptide(s) isolated from S1 cultivars of mulberry leaves on silkworm rearing system. A full paper in the Proceedings of NCPP, 2013. Directorate of Ground nut Research , Junagadh and Indian Society for Plant Physiology

7. Amitava Ghosh et al. Bioactivity of low molecular weight plant peptides under various physiological stages of growth. A full paper in the Proceedings of NCPP, 2013. Directorate of Ground nut Research , Junagadh and Indian Society for Plant Physiology.
8. Amitava Ghosh et al. Screening in Vitro antioxidant level by novel peptide(s) 3.0 – 0.5 kda isolated from leaves of mulberry cultivars. National symposium on RTPMR, DST (FIST) and UGC-SAP assisted DRS, Department of Botany, University of North Bengal. 2013.
9. Amitava Ghosh et al. Free radical scavenging capacity of the artificial diet components supplied with mulberry leaves used for the feeding of silkworm and their role in silkworm rearing. International symposium on Role of Fungi and Microbes in the 21st Century. Indian Mycological society. Department of Botany, university of Calcutta. 2014.
10. Amitava Ghosh et al. Influence of antioxidant rich mulberry peptides on the growth rate pattern and economic attributes of silkworm. National conference on applied zoology in sustainable development : an update. January 30- February 02.2015. department of Zoology, University Of North Bengal. West Bengal.
11. Amitava Ghosh et al. Comparative analysis of eight mulberry cultivars and feeding preference of silkworm larvae depends on biochemical attributes of leaves. National seminar on contemporary progress in plant sciences. March 20-21. 2015. Centre of advanced study(UGC) Department of Botany. University of Burdwan.

Dr. Supatra Sen

1. Sen P, Aich A, Pal A, **Sen Supatra** and Pal D (2014) Profile of Antioxidants and Scavenger Enzymes during Different Developmental Stages in *Vignaradiata*(L.) Wilczek (Mungbean) under Natural Environmental Conditions. International Journal of Plant Research 2014, 4(2): 56-61 DOI: 10.5923/j.plant.20140402.03. IF: 0.18.
2. Sen Supatra (2014) A comparative study on Arsenic-induced biochemical changes in *Eichhornia crassipes* (Mart.) Solms (Water Hyacinth) and *Pterisvittata* L. (Brake Fern). Seminar Proceedings of “Impact of Pollution : Assessment and Awareness”, Dept. of Zoology, Hooghly Women’s College, pp.185-192. ISBN 978-81-921083-8-4
3. Sen Supatra (2014) Changes in Biochemical Constituents in response to Arsenic-induced Stress in *Pterisvittata* and *Eichhorniacrassipes* to determine Stress Tolerance – A Review, Beats of Natural Sciences, 2: 1-5.
4. Sen, Supatra (2014). Strive to Sustainability: Education for Sustainable Development, Magis – Xaverian Journal of Education 3: 1-7.ISSN : 2319-3239
5. Sen, Supatra (2014). “Towards Quality Assurance in Indian Higher Education : Role of UGC and

- NAAC” in Higher Education in India : An Outlook, Dr. B.C. Mondal& Dr. B.Saha (Ed.) Publ. Ashabori, pp. 203-225. ISBN 978-81-927386-2-8
6. Sen Supatra (2014) Beyond Fear: Environmental Designing For Crime Prevention, Musings, An Academic Journal 5 : 106-109.ISSN : 0975-8054
 7. Sen, Supatra (2014). “Towards Sustainability : Blueprint for Resource Management” in Progress in Science *vis-à-vis* Environment, Dr. D. Choudhury & Dr. S.S. Nag (ed.) pp.56-63. ISBN 978-93-5174-670-6
 8. Sen, Supatra(2014). Changing Perspectives in Biodiversity Management. J.Environ. &Sociobiol. 11(1) : 117-122. IF: 0.342.
 9. Sen, Supatra (2014). “Oil Spills & Marine Biodiversity : The Indian Backdrop”. Seminar Proceedings of “Marine Biodiversity of India : Threats & Prospects.”
 10. Sen, Supatra (2014). “Restoring the Environment : Microbes in Phytoremediation” in Good Earth : Exploring Possibilities, Dr. S.Sen (ed.) pp. 31-36. ISBN 978-81-922305-9-7
 11. Sen, Supatra (2015). Changes in Activities of Scavenging Enzymes and ROS Indices in Response to Arsenic-Induced Oxidative Stress in *Pterisvittata* and *Eichhorniacrassipesto* to Determine Stress Tolerance. Seminar Proceedings of International Conference on Environment & Ecology, pp.324-325
 12. Sen, Supatra(2015). Macrophytes in Phytoremediation of Heavy Metals in Aquatic Ecosystems – An Overview, Seminar Proceedings of 'Aquaresources : Care & Concerns' pp.25
 13. Sen, Supatra (2015). “The Promise of Inclusive Education”, Quest, 9:100-111. ISSN 2319-2151
 14. Sen, Supatra (2015). “Teaching-Learning in 21st Century Classrooms: The Changing Role of Teachers” in Contemporary Trends and Practices in Teacher Education, Publ. Ekushe, Dr. S.Palta-Singh (ed.) pp. 83-92. ISBN 978-82-924889-8-1
 15. Sen, Supatra (2015). “From Silent Spring to Navdanya : Women & Environment” Musings, An Academic Journal 6 : 161-167. ISSN : 0975-8054
 16. Sen, Supatra(2015). “Journey to Sustainability : Approaches for Resource Conservation – Retrospect & Prospect” in Environmental History of India, Publ. Print Gallery, Dr. M. Ray (ed.) pp. 48-65. ISBN 978-81-928645-6-8
 17. Sen, Supatra (2015). “Sustainable Biodiversity Conservation: Community-BasedManagement Approaches” Seminar Proceedings of International Conference on Environment & Ecology, pp.322-323
 18. Sen, Supatra (2015). “Enchanting Islands : Insular Biology Revisited”.The Beats of Natural Sciences 2 (1) : 1- 6

19. Sen, Supatra (2015). "Sustainable Resource Management: Myth Or Reality" in • Biodiversity, Conservation And Sustainable Development: Issues And Approaches Volume-1 (Ed. Dr. P. Jha), New Academic Publishers, New Delhi-110002, pp.1-18. ISBN : 978-81-86772-75-1
20. Sen, Supatra (2015). "Drivers of Changing Biodiversity" in Biodiversity: Interrelationship between Flora, Fauna & Human pp. 24-29. ISBN 978-81-929410-0-4
21. Sen, Supatra (2015). "Science of Biological Diversity : Management Approaches for Sustainable Conservation" in Biodiversity pp. 347-352. ISBN 978-93-92258-17-9
22. Sen, Supatra (2010). "Towards Sustainability : Through Environmental Psychology" in "Emerging Trends in Contemporary Education : Implications for 21st Century," pp. 91-94 **ISBN978-81-922305-0-4**
23. Sen, Supatra (2011) "From Abundance to Scarcity: Education for Water Conservation" in "Emerging Trends in Contemporary Education : Implications for 21st Century - A Sequel," pp.78-82 **ISBN978-81-922305 – 1-1**
24. Sen, Supatra (2011) "East Calcutta Wetlands – Where Technology Meets Tradition" in "Wetland Ecosystem and Its Faunal Diversity," pp.152-157 **ISBN978-81-922305 – 2-8**
25. Sen, Supatra (2011) "Mission Sustainability: The 'Green'-ing of Chemistry" in "Chemistry for Mankind," pp. 87-90 **ISBN978-81-922305 –4-2**
26. Sen, Supatra (2011) "Blueprint for Sustainability : The Many Faces of Resource Management" in "Sustainable Resource Management : Myth or Reality," pp. 76-83 **ISBN978-81-922305 –6-6**
27. Sen, Supatra (2012) "Coral Reefs : Indicators of Changing Climate" in "Biodiversity : Threats and Conservation through Traditional and Biotechnological Approaches," pp. 205-208 **ISBN 978-93-80663-57-9**
28. Sen, Supatra (2013) "Suggested Techniques for Life Science Teaching : A Subject Educator's Perspective" in "Teaching-Learning Strategies in 21st Century Classrooms," pp. 38-43 **ISBN 978-81-922305-8-0**
29. Sen, Supatra (2014) The Chemistry and Biology of Lycopene : Implications for Human Health" in "Microbes to Higher Plants for Human Health and Society in the Post-Genome Era," **ISBN: 978-81-928627-1-2**
30. Sen, Supatra (2014) "Combating Stress in Plants: A Systems Biology Perspective" in "Prospect of Biotechnology in rural Bengal," pp. 134-139 ISBN 978-81-928627-2-9
31. Sen, Supatra (2013) "Innovative Approaches to Environmental Education : The Indian Perspective" *Magis* 2: 42-47 **ISSN :2319-3239**
32. Sen, Supatra (2010) "Designing with Nature" *Musings* 1: 60-62 **ISSN : 0975-8054**

33. Sen, Supatra (2011) "Crime and Punishment - Molecular Biology in Forensic Science" Musings 2 : 69-72 **ISSN : 0975-8054**
34. Sen, Supatra (2012) "Climate Change : Fact or Fiction" Musings 3 : 106-109 **ISSN : 0975-8054**
35. Sen, Supatra (2013) From Conflict to Cooperation : 'Water for Life' Musings 4 : 17-21 **ISSN : 0975-8054**
36. Sen, Supatra (2012-13) "Allelopathy – Chemical Warfare in Plants : An Overview" Quest 7: 139-152 **ISSN 2319-2151**
37. Sen, Supatra (2013-14) "Silent Witnesses : Palynology in Crime" Quest 8 : 137-145 **ISSN 2319-2151**
38. Supatra Sen Community -Based Management Approaches : Towards Sustainable Biodiversity Conservation; ISI International Conference on Biodiversity 2015
39. Supatra Sen Towards Inclusion : Suggested Teaching Practices for Inclusive Classrooms; National Seminar at Satyapriya Roy College of Education 2015
40. Supatra Sen Eco- Physiology of Two Indian Crop Plants : Impact of Seasonal Stress 2016 Lambert Academic Publishing 978-3-659-91778-3
41. Supatra Sen One Environment, Myriad dimensions: Exploring the Indian Perspective 2016 Lambert Academic Publishing 978-3-659-87031-6
42. Supatra Sen Blue Carbon and Climate Change : Revisiting the Sunderbans Ecosystem; State Level Seminar at Muralidhar Girls' College, 2016 (In Press)
43. Banani Mitra¹ and Supatra Sen ^{2*} Towards Awareness of Sustainable Life-Styles : A Comparative Survey Between Urban-Rural Secondary Students; The Beats of Natural Sciences 2016 (In Press)
44. Supatra Sen Towards Sustainable Biodiversity Conservation : Community - Based Management Approaches ; The Beats of Natural Sciences 2016 (In Press)
45. Supatra Sen Seasonal Effect on Carotenoid Content : Antioxidants for Human Health, National Seminar at Bangabasi College 2016 (In Press)
46. Supatra Sen Many Faces of Bio-Resource Management : Blueprint for Sustainable Conservation, National Seminar at Howrah Girls' College 2016 (In Press)
47. Supatra Sen From 'Silent Spring' to 'Navdanya' : Gender, Environment and Sustainability in "Biodiversity, Conservation and Sustainable Development" 2016 (In Press)

EVALUATIVE REPORT **DEPARTMENT OF CHEMISTRY**

1.	Name of the department:	CHEMISTRY	
2.	Year of Establishment:	1925 (UG)	
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG BSc (Honours) BSc (General)	
4.	Names of Interdisciplinary courses and the departments/ units involved	Environmental Science (PG) Biochemistry (Hons) Add On Courses B Voc Courses	
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University or Calcutta Norms	
6.	Participation of the department in the courses offered by other departments		
	COURSE	FACULTY	PARTICIPATION AS
	Environmental Science (PG)	Dr. Keya Ghosh	Project Guide Evaluator Member of BOS
	Add On Course	Dr. Keya Ghosh	Coordinator Paper Setter Teaching Member of BOS
		Dr Madhusudan Banerjee	Teaching Paper Setter
		Dr Amiya Kumar Medda	Teaching Paper Setter
		Dr Manas Kr Biswas	Teaching
		Dr Prosenjt Pandey	Teaching
	B Voc	Dr Madhusudan Banerjee	Coordinator Paper Setter Teaching Member of BOS

	Biochemistry(UG)	Dr Chandra Chaudhuri	Coordinator Member of BOS Teaching Evaluator			
	Biochemistry(UG)	Dr Keya Ghosh	Member of BOS Teaching Evaluator			
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL				
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL				
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled		
		Professor	-	-		
		Associate Professor	4	4		
		Assistant Professor	3	-		
		CWTT	5	5		
		PTT				
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualific ation	Designation	Specialization	No. of Years of Exp.	No. of PhD stdnts
Dr Mohini Mohan Adak		Ph D	Associate Professor	Organic Chemistry	33 yrs (Retd: 2011)	-
Dr Kalyan Bakshi		Ph.D	Associate Professor	Inorganic Chemistry	12 yrs (Retd: 2013)	-
Dr Anusua Chattopadhyay		Ph.D	Associate Professor	Organic Chemistry	27 yrs (Retd: 2013)	-
Dr Krishna Mukherjee		Ph.D	Associate Professor	Physical Chemistry	31 yrs (Retd: 2014)	-
Dr Partha Sarathi Ghosh		Ph.D	Associate Professor	Inorganic Chemistry	28 yrs (Retd: 2015)	-

ASUTOSH COLLEGE SSR 2015

Dr. Madhusudan Banerjee		Ph.D	Associate Professor	Physical Chemistry	27	-
Dr. Chandra Chaudhuri		Ph.D	Associate Professor	Bio Chemistry	22	-
Dr. Keya Ghosh		Ph.D	Associate Professor	Organic Chemistry	18	-
Dr. Mahua Menon (on lien)		Ph.D	Associate Professor	Inorganic Chemistry	18	-
Dr. Amiya Kumar Medda		Ph.D	CWTT	Organic Chemistry	4	-
Dr. Prasenjit Pandey		Ph.D	CWTT	Physical Chemistry	1	-
Dr. Sudipta Ghosh		Ph.D	CWTT	Physical Chemistry	6 months	-
Dr. Manas Kumar Biswas		Ph.D	CWTT	Inorganic Chemistry	4 months	-
Dr. Monami Maiti		Ph.D	CWTT	Inorganic Chemistry	2 months	-
11.	List of senior visiting faculty	Visiting Faculty		Institute		
		Dr. Rana Sen		Associate Professor Scottish Church College		
		Dr Bijoy Prasad Ghosh		Ex-Associate Prof. Behala College		
		Dr. Priyotosh Dutta		Associate Professor Ananda Mohan College		
			Dr. Goutam Chatterjee		Ex- Professor, Presidency University	
		Dr. Arunabha Misra		Vidyasagar College		
12	Percentage of lectures delivered by temporary faculty	5% -10%				
13.	Student -Teacher Ratio (programme wise)	Session	UG			
		2011-12	15:1			
		2012-13	18:1			
		2013-14	17:1			
		2014-15	23:1			
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED		FILLED	
		GLI	1		1	

		Laboratory Assistant	1			0								
		Laboratory Attendant	7			7								
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 8												
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL												
18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl.national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Dr.Madhusudan Banerjee		6		6										
Dr. Chandra Chaudhuri														
Dr. Keya Ghosh		17	2	15	17						16	24	72	
Dr. Mahua Menon														
Dr. Amiya Kumar Medda		4		4	4					26	3	5	14	3
Dr. Prasenjit Pandey		15		15	15						12	10	35	
Dr. Sudipta Ghosh		6		6	6						4	4	15	

ASUTOSH COLLEGE SSR 2015

Dr. Manas Kumar Biswas	11		11	11					41	10	11	34	4
Dr. Monami Maiti	7		7	7						6	6	19	
PUBLICATION LIST : ANNEXURE I													
20.	Areas of consultancy and income generated:					NIL							
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.												
	a)National Committees					NIL							
	b) International Committees					NIL							
	c) Editorial Board					NIL							
22.	Student projects												
a)	Percentage of students who have done in-house projects including inter departmental/ programme					NIL							
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies					NIL							
23.	Awards/ Recognitions received by faculty and students:												
	AWARD BY STUDENTS: ANNEXURE II												
	NAME			AWARD								SESSION	
	Gargi Ghosh			Subir Basu Roy Memorial Prize								2011-12	
	Sutirtha Narayan Chowdhury			Subir Basu Roy Memorial Prize								2011-12	
				Upendranath Basu Memorial Prize								2012-13	
				Sudhansu Kumar Baksi & Sankar Kumar Khan Memorial Prize								2012-13	
	Soumya Mukherjee			Subir Basu Roy Memorial Prize								2012-13	
	Subhayan Das			Bipin Behari Ghosh Memorial Prize								2012-13	
				Subir Basu Roy Memorial Prize								2013-14	
	Pratik Das			Subir Basu Roy Memorial Prize								2012-13	
				Syamaprasad Mookerjee Memorial Prize								2013-14	
				Santanu Ghosh Memorial Prize								2013-14	
				Upendranath Basu Memorial Prize								2013-14	
				Sudhansu Kumar Baksi & Sankar Kumar Khan Memorial Prize								2013-14	
	Subhajit Chakraborty			Bipin Behari Ghosh Memorial Prize								2013-14	
	Mousumi Ghosh			Subir Basu Roy Memorial Prize								2013-14	
	Sreejita Banerjee			Subir Basu Roy Memorial Prize								2014-15	
	Arup Mondal			Subir Basu Roy Memorial Prize								2014-15	
	Madhumita Das			Upendranath Basu Memorial Prize								2014-15	
Sayantani Chakraborty			Bipin Behari Ghosh Memorial Prize								2014-15		

	Rayan Chakraborty	Upendranath Basu Memorial Prize	2014-15
		Sudhansu Kumar Baksi & Sankar Kumar Khan Memorial Prize	2014-15
24.	List of eminent academicians and scientists/ visitors to the department: Prof. Dhrubajyoti Chattopadhyay Pro VC (Academic) Calcutta University Dr. Gautam Chaterjee Ex-Professor, Presidency College Dr. Rana Sen Ex-Associate Professor. Scottish Church College. Dr. Arunabha Misra Associate Professor, Vidyasagar College Dr. Priyotosh Dutta, Anandamohon College Dr. Arogya Varam Saha, Ex- Associate Professor, R.K.M Residential College, Narendrapur		
25.	Seminars/ Conferences/ Workshops organized & the source of funding		
	a) National:	4 th March 2011 “Acharya Ray-His life and works” was organised by Dept of Chemistry and Biochemistry. Prof. Dhrubajyoti Chattopadhyay Pro VC (Academic) Calcutta University was the Chief Guest. Acharya Prafulla Chandra Roy Memorial Hall in the Dept of Chemistry was inaugurated by Prof. Dhrubajyoti Chattopadhyay. 13 th May 2016 “Acharya Prafulla Chandra Ray Memorial Lecture” was organised by Dept. of Chemistry. Invited lectures by: Prof. Asutosh Ghosh, Professor, University of Calcutta Prof. B. C. Ranu, Professor, J. C. Bose National Fellow, Dept. of Organic Chemistry, IACS, Kolkata Dr. S. Pal, Head, Process Research & Analytical, Research & Technology Centre, Syngenta, Goa.	
		Workshop on Physical Chemistry on 2.12.2015-3.12.2015	
		Workshop on Inorganic Chemistry 7.12.2015-8.12.2015	
		Special Lectures: 23.11.15 by Dr. Priyotosh Dutta	
	b) International:	NIL	
26.	Student profile programme/ course wise: Name of the Programme: BSc with CHEMISTRY (Honours) (UG)		

	Year	Application Rcvd	Selected	Enrolled		Year	Percentage	No. 1 st Class
				M	F			
	2015-16	4394	112	73	39	2015-16	98.25%	31
	2104-15	4485	139	100	39	2104-15	98.33%	31
	2013-14	4879	126	88	38	2013-14	98.31%	36
	2012-13	4302	125	90	35	2012-13	100%	25
NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year								
27.	Diversity of Students							
	Name of the Course : BSc with CHEMISTRY (Honours) (UG)							
	Year	% of Students from the same state		% of students from other States		% of students from abroad		
	2015-16	96%		3%		1%		
	2014-15	99%		1%		NONE		
	2013-14	99%		1%		NONE		
	2012-13	100%		NONE		NONE		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. As it is UG Department detailed information is not always available. However approximately 15% to 20% of the students qualify in examinations leading to higher degree, while approximately 25% qualify in Civil and Administrative services.							
29.	Student progression:							
	UG to PG			Around 90%				
	PG to M.Phil.			Mostly students do not go for MPhil				
	PG to Ph.D.			Around 50%				
	Employed			Around 50%				
	Campus selection			Around 5%				
	Other than campus recruitment			Around 50%				
	Entrepreneurship/ Self-employment			Around 5% to 10%				
Year		No. of Student	First Class			Highest Marks		
2012		54	25			70%		
2013		70	36			80%		
2014		64	31 (CU TOPPER)			86.2%		
2015		58	31			76%		
30.	Details of Infrastructural facilities							
	(a) Library: ➤ Chemistry Books in Main Library: 663 1. Books of Organic Chemistry: 230 2. Books of Inorganic Chemistry: 189 3. Books of Physical Chemistry: 211 4. Books of Analytical Chemistry: 19 5. Books for Chemistry Practical: 14							

	<p>➤ Books in Chemistry Seminar Library: 799</p> <ol style="list-style-type: none">1. Books of Organic Chemistry: 2872. Books of Inorganic Chemistry: 2443. Books of Physical Chemistry: 2324. Books of Analytical Chemistry: 175. Books for Chemistry Practical: 196. <p>➤ Books in Chemistry Reading Library: 186</p> <ol style="list-style-type: none">1. Books of Organic Chemistry: 682. Books of Inorganic Chemistry: 553. Books of Physical Chemistry: 434. Books of Analytical Chemistry: 175. Books for Chemistry Practical: 3																		
	<p>(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:</p>																		
	<table><thead><tr><th>CONFIGURATION</th><th>NUMBER</th></tr></thead><tbody><tr><td>DESKTOP: HP Pentium ® Dual Core E 5400, Processor 2.70 GHz, RAM 1GB, Windows XP SP2 HD 300 GB HDD</td><td>1</td></tr><tr><td>DESKTOP: Intel (R) Core ™ , i3 2100, Processor 3.1 GHz, RAM 4 GB, Windows 7 Ultimate, HD 500 GB HDD</td><td>1</td></tr><tr><td>LAPTOP: DELL INSPIRON Intel ® Core ™ i3 2310M CPU @2.10 Ghz RAM 3GB Widows 7 Ultimate 500GB HDD</td><td>1</td></tr><tr><td>LAPTOP: LENOVO Intel ® Core ™ i3 4030 U CPU@ 1.30 GHz RAM 4 GB Widows 7 Home 32 Bit 500GB HDD</td><td>1</td></tr><tr><td>Printers</td><td></td></tr><tr><td>HP LaserJet P1007 (Black and White)</td><td>1</td></tr><tr><td>HP LaserJet (Xerox + Scan+ Printer)</td><td>1</td></tr><tr><td>HP LaserJet CP1025 (Colour)</td><td>1</td></tr></tbody></table>	CONFIGURATION	NUMBER	DESKTOP: HP Pentium ® Dual Core E 5400, Processor 2.70 GHz, RAM 1GB, Windows XP SP2 HD 300 GB HDD	1	DESKTOP: Intel (R) Core ™ , i3 2100, Processor 3.1 GHz, RAM 4 GB, Windows 7 Ultimate, HD 500 GB HDD	1	LAPTOP: DELL INSPIRON Intel ® Core ™ i3 2310M CPU @2.10 Ghz RAM 3GB Widows 7 Ultimate 500GB HDD	1	LAPTOP: LENOVO Intel ® Core ™ i3 4030 U CPU@ 1.30 GHz RAM 4 GB Widows 7 Home 32 Bit 500GB HDD	1	Printers		HP LaserJet P1007 (Black and White)	1	HP LaserJet (Xerox + Scan+ Printer)	1	HP LaserJet CP1025 (Colour)	1
CONFIGURATION	NUMBER																		
DESKTOP: HP Pentium ® Dual Core E 5400, Processor 2.70 GHz, RAM 1GB, Windows XP SP2 HD 300 GB HDD	1																		
DESKTOP: Intel (R) Core ™ , i3 2100, Processor 3.1 GHz, RAM 4 GB, Windows 7 Ultimate, HD 500 GB HDD	1																		
LAPTOP: DELL INSPIRON Intel ® Core ™ i3 2310M CPU @2.10 Ghz RAM 3GB Widows 7 Ultimate 500GB HDD	1																		
LAPTOP: LENOVO Intel ® Core ™ i3 4030 U CPU@ 1.30 GHz RAM 4 GB Widows 7 Home 32 Bit 500GB HDD	1																		
Printers																			
HP LaserJet P1007 (Black and White)	1																		
HP LaserJet (Xerox + Scan+ Printer)	1																		
HP LaserJet CP1025 (Colour)	1																		
	<p>(c) Class rooms with ICT facility: ONE</p>																		
	<p>(d) Laboratories: 6</p> <p>DETAILS OF LABORATORY AND INSTRUMENTS</p> <p>HONOURS LABORATORY: 4 (PHYSICAL CHEMISTRY: 1 INORGANIC/ORGANIC: 1 INSTRUMENT ROOM : 2)</p> <p>GENERAL LABORATORY: 2</p> <p>Equipments:</p> <ol style="list-style-type: none">1. UV- VIS Spectrometer: 1 (MAKE: Systronics. Wavelength range: 200nm-1100nm, Resolution 0.1nm, Accuracy ± 0.5nm, Repeatability ± 0.2nm, Bandwidth : 1.0 nm)2. Colorimeter & spectrophotometer: 1 + 13. Potentiometer: 34. P^H meter: 35. Conductivity meter: 4																		

	6. Polarimeter: 1 + 1 (Digital) 7. Digital balance: 6 Sartorius Balance 4 (minimum up to 1 mg) Petit Balance 1 (minimum up to 0.1 mg) Wenser Balance 1 (minimum up to 200mg) 8. Vacuum pump: 1 + 1 9. Heating mantle: 15 10. Magnetic stirrer: 2 11. Hotplate: 1 12. Centrifuge: 2 13. Glass apparatus and Chemicals	
31.	Number of students receiving financial assistance from college, university, government or other agencies	Meritorious and needy students are granted free/partially free studentship to enable them to continue their studies.
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	Workshops: December 2 & 3: Physical Chemistry December 7 & 8: Inorganic Chemistry December 14 & 15: Organic Chemistry Special Lectures: 1. 2015, November 23: Dr. Priotosh Dutta (Associate Professor Ananda Mohan College) 2. 2015, November 24: Dr. Priotosh Dutta (Associate Prof. Ananda Mohan College) 3. 2015, November 27: Dr. Goutam Chatterjee (Ex Professor Presidency College) 4. 2016, 31: Dr. Arunabha Misra (Associate Professor, Vidyasagar College)
33	Teaching methods adopted to improve student learning:	
	For Slow Learner	For Advance Learner
	Remedial Class	Surprise tests
	Psychological support	Group discussion
	Handouts	Class seminar presentation
	Work sheet	Project presentation
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: DETAILS OF SEMINAR/WORKSHOP PARTICIPATION: ANNEXURE III	
	NAME	Social Responsibility (ISR) and Extension activities
	Dr. Madhusudan Banerjee	Coordinator B. Voc. and Community College, (Asutosh College) Member of BOS of BVoc Course at Asutosh College Head Examiner (Calcutta University)

		Paper Setter (Calcutta University) Moderator, (Calcutta University) Examiner(Calcutta University) Project Guide (Post Graduate in Env Sc. at Asutosh College)
	Dr. Keya Ghosh	Nodal officer (AISHE, Asutosh College) Member of IQAC Asutosh College Co-ordinator (Add On course : Asutosh College) Member BOS of Biochemistry (Calcutta University) Member BOS of Env Sc PG (Asutosh College) Head Examiner (Calcutta University) Paper Setter (Calcutta University) Moderator, (Calcutta University) Examiner(Calcutta University) Paper Setter and Moderator in Chemistry (Narendrapur RKM Residential College) Paper Setter and Examiner in Chemistry (St Xaviers College) Paper Setter of School Service Commission Project Guide and Evaluator of ENVIS PG at Asutosh College Judge in Debate Competition (ENVIS Department) and College Fest
	Dr. Chandra Chaudhuri	Member of the BOS of Biochemistry (Calcutta University) Coordinator (Department of Biochemistry Asutosh College) Paper Setter (Calcutta University) Examiner (Calcutta University) Moderator (Calcutta University)
	Dr. Amiya Kumar Medda	Paper Setter (Calcutta University) Examiner (Calcutta University) Internal Examiner (Calcutta University) Attended workshop : 1 Attended National Seminar : 1
	Dr. Prasenjit Pandey	Examiner (Calcutta University) Internal Examiner (Calcutta University) Attended and presented poster in International Seminar: 1 Attended and presented poster in National Seminar: 2
	Dr. Sudipta Ghosh	Examiner (Calcutta University) Internal Examiner (Calcutta University)
	Dr. Manas Kumar Biswas	Examiner (Calcutta University) Attended National Symposium: 2 Attended International Symposium: 2 Attended International Workshop : 1
	Dr. Monami Maiti	Attended National Symposium: 3 Attended and presented poster in International Symposium: 4
35	SWOC analysis of the department and Future plans	
	Strengths:	Faculty has high potential to drive the students in particular

		direction to achieve their goal
	Weaknesses:	Student-teacher ratio is high which poses problem for academic counseling of students
	Opportunities:	Dept. of Chemistry having faculty members with high academic qualification and research activity has opportunity for enhancing the research activity of the college and to introduce the post-graduation.
	Challenges:	The college building is shared with two other colleges, one morning and one evening colleges, which imposes huge inconvenience regarding space and time.
	Future plans:	To introduce PG course To introduce analytical facilities.

ANNEXURE I: DEPARTMENT OF CHEMISTRY

LIST OF PUBLICATION BY FACULTY:

DR MADHUSUDAN BANERJEE

1. Solubility Characteristics of Poly N-Vinylcarbazole prepared Co.(II) -13X Molecular Sieve, Madhusudan Banerjee, , Mukul Biswas, Mrinal M. Maiti. Polymer Bull. 16 .473(1986). IF: 1.438; SNIP: 0.878; SJR: 0.513; h-index: 23.
2. N-vinylcarbazole Polymerization by 3-rd Transistion Metal Ion Exchanged 13X Molecular sieve : Dual Initiation Mechanism Madhusudan Banerjee, Mukul Biswas, Mrinal M. Maiti J. Polym. Sci.lett.Ed 24, no 8, pp 363-369.1986.
3. Mechanism of n-Vinylcarbozaole Polymerization on Co(II)-13X molelcular sieve, Mukul Biswas, Madhusudan Banerjee, Mrinal M. Maiti J. Polym. Sci. Polym. Chem. Ed., 23(10) 2631-2646 (1985). IF: 3.113; SJR: 1.04.
4. Polymerization of Vinylcarbazole on Copper(II) – 13X molecular sieves : Role of Copper (II) Salts., Mukul Biswas, Madhusudan Banerjee, Mrinal M. Maiti J. Polymn. Sci. Polym. Chem. Vol 22 no 9. 1997-2004 (1984). IF: 3.113; SJR: 1.04.
5. Polymerization of N-Vinylcarbazole over cobalt (II) Exchanged 13X Molecular Sieves, Mukul Biswas, Madhusudan Banerjee, Mrinal M. Maiti Polymer 26(4) , 625 (1985). IF: 3.586; SNIP: 1.234; SJR: 1.188.

6. Cationic Polymerization by Transition Metal Ion loaded Molecular Sieves: Mukul Biswas, Madhusudan Banerjee, Mrinal M. Maiti *Indian Chemical Sec.* LXII, 847(1985)

Dr. Keya Ghosh

1. New Pd-catalyzed selective reduction of carboxylic acids to aldehydes: Lukas J. Gooßen and Keya Ghosh, *Chem. Commun.* 2002, 836-837. IF: 6.567; SJR: 2.77.
2. Pd-CPd-Catalyzed Synthesis of Functionalized Arylketones from Boronic Acids and Carboxylic Acids Activated in situ with Dimethyl Dicarboxate: L. J. Gooßen, L. Winkel, A. Döhring, Keya Ghosh, J. Paetzold, *Synlett* 2002, 1237-1240. IF: 2.323; SJR: 0.91.
3. Palladium-Catalyzed Synthesis of Arylketones from Boronic Acids and Carboxylic Acids Activated in situ by Pivalic Acid Anhydride: L. J. Gooßen and Keya Ghosh, *Eur. J. Org. Chem.* 2002, 19, 3254-3256. IF: 3.068.
4. Palladium-Catalyzed Synthesis of Aryl Ketones from Boronic Acids and Carboxylic Acids or Anhydrides: Lukas J. Gooßen, Keya Ghosh, *Angew. Chem. Int. Ed.* 2001, 40, 3458-3460. IF: 11.709.
5. A new practical ketone synthesis directly from carboxylic acids: first application of coupling reagents in palladium catalysis: Lukas J. Gooßen and Keya Ghosh, *Chem. Commun.* 2001, 2084-2085. IF: 6.567; SJR: 2.77.
6. A novel route to functionalized linearly benzannulated medium ring carbocyclics through regioselective aryl radical cyclization: Keya Ghosh, U. R. Ghatak, *J. Ind. Inst. Sc.* 2001, 81, 239-264. IF: 0.79; SJR: 0.23.
7. Construction of bicyclo[2.2.2]octanone systems by microwave-assisted solid phase Michael addition followed by Al_2O_3 -mediated intramolecular aldolisation. An eco-friendly approach: Brindaban C. Ranu, Sankar K. Guchhait, Keya Ghosh and Amarendra Patra, *Green Chem.* 2000, 2, 5-6. IF: 8.506; SJR: 2.57.
8. Synthetic studies towards complex diterpenoids. Part 20. Total synthesis of the linear abietane-quinoneumbrosone: Keya Ghosh and U. R. Ghatak, *J. Chem. Soc., Perkin Trans. 1* 1999, 1359-1362. IF: 0.92.
9. Chemoselective Hydrogenation of α,β -Unsaturated Sulfones and Phosphonates via Palladium-Assisted Hydrogen Transfer by Ammonium Formate: Brindaban C. Ranu, Sankar K. Guchhait, and Keya Ghosh, *J. Org. Chem.* 1998, 63, 5250-5251. IF: 4.721.
10. Catalytic hydrogen transfer reductions using ammonium formate: a review: B. C. Ranu, A. Sarkar, S. K. Guchhait, Keya Ghosh, *J. Ind. Chem. Soc.* 1998, 75, 690-694. IF: 0.10; SJR: 0.13.
11. Simple and Improved Procedure for Regioselective Acylation of Aromatic Ethers with Carboxylic Acids on the Solid Surface of Alumina in the Presence of Trifluoroacetic Anhydride, Brindaban C.

- Ranu, Keya Ghosh, and Umasish Jana, *J. Org. Chem.* 1996, *61*, 9546–9547. IF: 4.721.
12. (1*RS*,4*aSR*,12*aSR*)-1-Methyl-1,2,3,4,4*a*,5,6,7,12,12*a*-decahydrodibenzo[*a,d*]cyclooctene-1,4*a*-carbolactone: Keya Ghosh and A. Pramanik, *Acta Cryst.* 1996, *C52*, 1029-1030. IF: 2.333.
 13. Regioselective 9-endo aryl radical cyclisation: a new synthetic route to decahydro-5H -dibenzo[*a,d*] and [a,*e*]-cyclonononols: Keya Ghosh, U. R. Ghatak, *Tetrahedron Lett.* 1995, *36*, 4897-4900. IF: 2.379; SJR: 0.78.
 14. Highly regioselective 8-endo-aryl radical cyclisation: a new synthetic route to decahydrodibenzo[*a,d*]- and -[a,*e*]-cyclooctenols: Keya Ghosh, Ajit K. Ghosh and Usha Ranjan Ghatak, *Chem. Commun.* 1994, 629-630. IF: 6.567; SJR: 2.77.
 15. First total synthesis of the linear abietanediterpene orthoquinoneumbrosone: Keya Ghosh, U. R. Ghatak, *Tetrahedron Lett.* 1994, *35*, 5943-5944. IF: 2.379; SJR: 0.78.
 16. Highly regioselective 7-endo-aryl radical cyclisation: synthesis of octahydro-2*H*-dibenzo[*a,d*]cycloheptenes: Ajit K. Ghosh, Keya Ghosh, Sitaram Pal and Usha Ranjan Chatak, *Chem. Commun.* 1993, 809-811. IF: 6.567; SJR: 2.77.

List of Patent

1. L. J. Gooßen, Keya. Ghosh (Studiengesellschaft Kohlen b.H.), WO 02/092547, 2002, Verfahren zur Herstellung von Ketonen aus Carbonsäureanhydriden.

Dr. Amiya Kumar Medda

1. Stereoselective Synthesis of (-) Chloramphenicol and Thiamphenicol: Hajra, S*.; Karmakar, A.; Maji, T.; Medda. A. K., *Tetrahedron* 2006, *62*, 8959-8965. IF: 2.645; SNIP: 0.814; SJR: 0.991.
2. Gold (III)-Catalyzed Cyanosilylation of Ketones and Aldehydes: Cho, W. K.; Kang, S. M.; Medda. A. K.; Lee, J. K.; Choi, I. S.; Lee, H.-S*, *Synthesis* 2008, 0507-0510. IF: 2.689.
3. 3, 4-Methano-β-Proline: A Conformationally Constrained β-Amino Acid: Medda, A. K.; Lee, H.-S*, *Synlett*. 2009, 0921-0924. IF: 2.323; SJR: 0.91.
4. A nonpeptidic Reverse-Turn Scaffold stabilized by dual Urea-Based Intramolecular H-bonding: Medda, A. K.; Park, C. M.; Jeon, A.; Kim, H.; Sohn, J.-H*.; Lee, H.-S*, *Org. Lett.* 2011, *13*, 3486–3489. IF: 6.364.

Dr. Prasenjit Pandey

1. Evidence of blue-shifting N–H...N hydrogen bonding despite elongation of the N–H bond:

- Prasenjit Pandey*, *RSC Advances*, 2015, 5, 79661-79664. IF: 3.289; SJR: 0.99.
2. Bulk phase thermodynamic properties and dielectric constant of ethanol: An ab initio quantum mechanical approach combined with a statistical model: Prasenjit Pandey, Tanmoy Chakraborty and Asok K. Mukherjee*, *Mol. Phys.* 2013, 111, 3098-3103. IF: 1.720.
 3. Doubly Hydrogen Bonded Dimer of δ -Valerolactam: Infrared Spectrum and Intermode Coupling: Prasenjit Pandey* and Tapas Chakraborty, *J. Phys. Chem. A* 2012, 116, 8972-8979. IF: 2.883.
 4. CH---O interaction lowers hydrogen transfer barrier to keto-enol tautomerization of β -cyclohexanedione: A combined infrared spectroscopic and electronic structure calculation study: Biman Bandyopadhyay, Prasenjit Pandey, Pujarini Banerjee, Amit K. Samanta and Tapas Chakraborty*, *J. Phys. Chem. A* 2012, 116, 3836-3845. IF: 2.883.
 5. Probing secondary structures of end-capped tripeptide, BOC-Phe-Aib-Leu-OMe by combined study of infrared spectroscopy and quantum chemistry calculation: Prasenjit Pandey*, Animesh Pramanik and Tapas Chakraborty*, *Chem. Phys.* 2011, 389, 88-95. IF: 1.758; SNIP: 0.847; SJR: 0.719.
 6. Intra- and Intermolecular H-Bond Mediated Tautomerization and Dimerization of 3-Methyl-1,2-Cyclopentanedione: Infrared Spectroscopy in Argon Matrix and CCl₄ Solution: Amit K. Samanta, Prasenjit Pandey, Biman Bandyopadhyay, Anamika Mukhopadhyay and Tapas Chakraborty*, *J. Mol. Struct.* 2011, 994, 97-103. IF: 1.780; SNIP: 0.813; SJR: 0.463.
 7. Infrared spectroscopy of 2-pyrrolidinone and its hydrogen bonded dimers in a cold (8K) inert gas matrix: Prasenjit Pandey, Amit K. Samanta, Biman Bandyopadhyay and Tapas Chakraborty*, *Vib. Spectrosc.* 2011, 55, 126-131. IF: 1.682; SNIP: 0.925; SJR: 0.615.
 8. Blue- and Red-Shifting CH---O Hydrogen Bonded Complexes between Haloforms and Ethers: Correlation of Donor ν_{C-H} Spectral Shifts with C-O-C Angular Strain of the Acceptors: Anamika Mukhopadhyay, Prasenjit Pandey and Tapas Chakraborty*, *J. Phys. Chem. A* 2010, 114, 5026-5033. IF: 2.883.
 9. Amide-I and amide-A bands of δ -valerolactam and its dimers: A combined matrix isolation-FTIR spectroscopy and quantum chemistry study: Prasenjit Pandey, Amit K. Samanta, Biman Bandyopadhyay and Tapas Chakraborty*, *J. Mol. Struct.* 2010, 975, 343-348. IF: 1.780; SNIP: 0.813; SJR: 0.463.
 10. Cooperative strengthening of an intramolecular O-H---O hydrogen bond by a weak C-H---O counterpart: Matrix isolation infrared spectroscopy and quantum chemical studies on 3-methyl-1,2-cyclohexanedione: Amit K. Samanta, Prasenjit Pandey, Biman Bandyopadhyay, Tapas

Chakraborty*, *J. Phys. Chem. A*2010, *114*, 1650-1656. IF: 2.883.

11. Keto–enol tautomers of 1,2-cyclohexanedione in solid, liquid, vapour and a cold inert gas matrix: Infrared spectroscopy and quantum chemistry calculation: Amit K. Samanta, Prasenjit Pandey, Biman Bandyopadhyay, Tapas Chakraborty*, *J. Mol. Struct.*2010, *963*, 234-239. IF: 1.780; SNIP: 0.813; SJR: 0.463.
12. Blue Shifting C–H---O Hydrogen Bonded Complexes between Chloroform and Small Cyclic Ketones: Ring-Size Effects on Stability and Spectral Shifts: Anamika Mukhopadhyay, Moitrayee Mukherjee, Prasenjit Pandey, Amit K. Samanta, Biman Bandyopadhyay and Tapas Chakraborty*, *J. Phys. Chem. A*2009, *113*, 3078-3087. IF: 2.883.
13. Laser induced fluorescence spectroscopy of jet cooled *trans* 1-methoxynaphthalene: A comparative study with *trans* 1-hydroxynaphthalene: V. Ramanathan, Prasenjit Pandey, Tapas Chakraborty*, *Chem. Phys. Lett.* 2008, *456*, 19-26. IF: 1.860; SNIP: 0.717; SJR: 0.757.
14. Dispersed fluorescence spectroscopy of *p*-fluorophenol, Partha Biswas, Prasenjit Pandey, Tapas Chakraborty*, *Chem. Phys. Lett.* 2008, *454*, 163-170. IF: 1.860; SNIP: 0.717; SJR: 0.757.
15. Conformation and laser-induced fluorescence spectroscopy of phenetole in supersonic jet: V. Ramanathan, Prasenjit Pandey, Tapas Chakraborty*, *Chem. Phys. Lett.* 2006, *427*, 18-23. IF: 1.860; SNIP: 0.717; SJR: 0.757.

Dr. Sudipta Ghosh

1. Effect of complex formation between Zn^{2+} ions and the anticancer drug mithramycin upon enzymatic activity of zinc(II) –dependent alcohol dehydrogenase: Suman Das, P. G. Devi, Sudipta Pal and Dipak Dasgupta, *Journal of Biological Inorganic Chemistry*, 2005, *10*, 25-32. IF: 2.495.
2. Association of antitumor antibiotics, MITHRAMYCIN and CHROMOMYCIN, with Zn(II): P. G. Devi, Sudipta Pal, Raja Banerjee and Dipak Dasgupta, *Journal of Inorganic Biochemistry*, 2007, *101*, 127-137. IF: 3.205; SNIP: 1.043; SJR: 0.983.
3. Chromatin as a target for the DNA-binding anticancer drugs: Parijat Majumder, Suman K. Pradhan, P. G. Devi, Sudipta Pal and Dipak Dasgupta, *Subcellular Biochemistry*, 2007, *41*, 145-189. SJR: 1.2.
4. Biphasic association of T7 RNA Polymerase and a nucleotide analogue, cibacron blue as a model to understand the role of initiating nucleotide in the mechanism of enzyme action: Sudipta Pal, Mili Das, Rahul Banerjee and Dipak Dasgupta, *Journal of Biomolecular Structure and Dynamics*, 2011, *29*, 153-164. IF: 2.30.

5. Structural studies of arginine induced enhancement in the activity of T7 RNA Polymerase, Sudipta Pal, Mili Das and Dipak Dasgupta, *Biochemical and Biophysical Research Communications*, 2012, 421, 27-32. IF: 2.297.
6. Differential scanning calorimetric approach to study the effect of melting region upon transcription initiation by T7 RNA Polymerase and the role of high affinity GTP binding: Sudipta Pal and Dipak Dasgupta, *Journal of Biomolecular Structure and Dynamics*, 2013, 31, 288-298. IF: 2.30.

Dr. Manas Kumar Biswas

1. Stereoselective non-equivalent bis-diimine coordination to Co(II) ion: Structure, luminescence and density functional theory calculations: Amit Saha Roy, Manas Kumar Biswas, Thomas Weyhermüller, Prasanta Ghosh, *Inorganica Chimica Acta*, 2010, 363, 2874-2880. IF: 1.918; SNIP: 0.664 ; SJR: 0.584.
2. Unsymmetrical diimine complexes of iron(II) and manganese(II): synthesis, structure and photoluminescence of an isomer: Amit Saha Roy, Manas Kumar Biswas, Thomas Weyhermüller and Prasanta Ghosh, *Dalton Transactions*, 2011, 40, 146-155. IF: 4.177; SJR: 1.4.
3. Osazone Anion Radical Complex of Rhodium(III): Sarat Chandra Patra, Manas Kumar Biswas, Amarendra Nath Maity, and Prasanta Ghosh, *Inorganic Chemistry*, 2011, 50, 1331-1338. IF: 4.820.
4. Electronic Structures of Ruthenium and Osmium Complexes of 9,10-Phenanthrenequinone: Manas Kumar Biswas, Sarat Chandra Patra, Amarendra Nath Maity, Shyue-Chu Ke, Nirmal Das Adhikary, and Prasanta Ghosh, *Inorganic Chemistry*, 2012, 51, 6687-6699. IF: 4.820.
5. Synthesis, structure and DNA binding studies of 9-phenyldibenzo[*a,c*] phenazin-9-ium: Suman Kundu, Manas Kumar Biswas, Ananya Banerjee, Kakali Bhadra, Gopinatha Suresh Kumar, Michael G. B. Drew, Ranjan Bhadra and Prasanta Ghosh, *RSC Advances*, 2013, 3, 3054-3061. IF: 3.289; SJR: 0.99.
6. 9,10-Phenanthrenesemiquinone radical complexes of ruthenium(III), osmium(III) and rhodium(III) and redox series: Manas Kumar Biswas, Sarat Chandra Patra, Amarendra Nath Maity, Shyue-Chu Ke, Thomas Weyhermüller and Prasanta Ghosh, *Dalton Transactions*, 2013, 42, 6538-6552. IF: 4.177; SJR: 1.4.
7. Asymmetric cleavage of 2,2'-pyridil to picolinic acid anion radical coordinated to ruthenium(II): splitting of water to hydrogen: Manas Kumar Biswas, Sarat Chandra Patra, Amarendra Nath Maity, Shyue-Chu Ke, Thomas Weyhermüller and Prasanta Ghosh, *Chemical*

Communications, 2013, 49, 4522-4524. IF: 6.567; SJR: 2.77.

8. Oxidovanadium(IV), oxidomolybdenum(VI) and cobalt(III) complexes of *o*-phenylenediamine derivatives: oxidative dehydrogenation and photoluminescence: Satyabrata Chaudhuri, Sachinath Bera, Manas Kumar Biswas, Amit Saha Roy, Thomas Weyhermüller and Prasanta Ghosh, *Inorganic Chemistry Frontiers*, 2014, 1, 331-341. IF: 4.532.
9. Mononuclear zinc(II), cadmium(II), cobalt(III) and di-nuclear nickel(II) complexes of a 14pi electron diimine ligand: Syntheses, structures, photoluminescence and DFT investigations: Satyabrata Chaudhuri, Suman Kundu, Manas Kumar Biswas, Thomas Weyhermüller and Prasanta Ghosh, *Inorganica Chimica Acta*, 2015, 430, 199-207. IF: 1.918; SNIP: 0.664; SJR: 0.584.
10. In vitro and in vivo Anticancer Effects of a Novel 9-Phenyldibenzo[*a,c*] phenazin-9-ium Cation and Its Ligands: Satyajit Das, Kaushik Banerjee, Manas Kumar Biswas, Ranjan Bhadra, Prasanta Ghosh, Soumitra Kumar Choudhuri, *Chemotherapy*, 2014, 60, 261-266. IF: 1.288.
11. Induction of intrinsic and extrinsic apoptosis through oxidative stress in drug resistant cancer by a newly synthesized Schiff base copper chelate: Kaushik Banerjee, Soumya Basu, Satyajit Das, Abhinaba Sinha, Manas Kumar Biswas, Soumitra Kumar Choudhuri, *Free Radical Research*, 2016, 50, 426-446. IF: 2.967; SJR: 1.159.

Dr. Monami Maiti

1. Series of dicyanamide-interlaced assembly of zinc-Schiff-base complexes: Crystal structure and photophysical and thermal Studies: Monami Maiti, Dipali Sadhukhan, Santarupa Thakurta, Syamantak Roy, Guillaume Pilet, Ray J. Butcher, Aline Nonat, Loïc J. Charbonnière and Samiran Mitra, *Inorganic Chemistry*, 2012, 51, 12176–12187. IF: 4.820.
2. Pseudohalide controlled assemblies of copper-Schiff base complexes with encapsulated sodium ion: Synthesis, crystal structure and computational studies: Monami Maiti, Dipali Sadhukhan, Santarupa Thakurta, Shubhatam Sen, Ennio Zangrando, Ray J. Butcher, Ramesh C. Deka, and Samiran Mitra, *European Journal of Inorganic Chemistry*, 2013, 527-536. IF: 2.686.
3. Thermally stable luminescent zinc–Schiff base complexes: A thiocyanato bridged 1D coordination polymer and a supramolecular 1D polymer: Monami Maiti, Santarupa Thakurta, Dipali Sadhukhan, Guillaume Pilet, Georgina M. Rosair, Aline Nonat, Loïc J. Charbonnière, Samiran Mitra, *Polyhedron*, 2013, 65, 6–15. IF: 2.108; SNIP: 0.777; SJR: 0.592.
4. Heterogeneous catalytic oxidation of styrene by an oxo bridged divanadium(V) complex of an acetohydrazide-Schiff base: Dipali Sadhukhan, Monami Maiti, Ennio Zangrando, Soyeb Pathan,

- Samiran Mitra, Anjali Patel, *Polyhedron*, 2014, 69, 1-9. IF: 2.108; SNIP: 0.777; SJR: 0.592.
5. Synthesis, structural characterization, theoretical calculations and catecholase mimetic activity of manganese-Schiff base complexes: Monami Maiti, Dipali Sadhukhan, Santarupa Thakurta, Ennio Zangrando, Guillaume Pilet, Antonio Bauzá, Antonio Frontera, Bülent Dede, Samiran Mitra, *Polyhedron*, 2014, 75, 40–49. IF: 2.108; SNIP: 0.777; SJR: 0.592.
 6. Catalytic efficacy of copper(II)- and cobalt(III)-Schiff base complexes in alkene epoxidation: Monami Maiti, Dipali Sadhukhan, Santarupa Thakurta, Ennio Zangrando, Guillaume Pilet, Sandra Signorella, Sebastián Bellú, and Samiran Mitra, *Bulletin of the Chemical Society of Japan*, 2014, 87, 724-732. IF: 2.21.
 7. Hydrogen Bond, π - π , and CH- π Interactions Governing the Supramolecular Assembly of Some Hydrazone Ligands and Their Mn^{II} Complexes – Structural and Theoretical Interpretation: Dipali Sadhukhan, Monami Maiti, Guillaume Pilet, Antonio Bauzá, Antonio Frontera, Samiran Mitra, *European Journal of Inorganic Chemistry*, 2015, 1958-1972. IF: 2.686.

ANNEXURE II: DEPARTMENT OF CHEMISTRY

AWARD RECEIVED BY STUDENTS

NAME	AWARD	SESSION
Gargi Ghosh	Subir Basu Roy Memorial Prize	2011-12
Sutirtha Narayan Chowdhury	Subir Basu Roy Memorial Prize	2011-12
	Upendranath Basu Memorial Prize	2012-13
	Sudhansu Kumar Baksi & Sankar Kumar Khan Memorial Prize	2012-13
Soumya Mukherjee	Subir Basu Roy Memorial Prize	2012-13
Subhayan Das	Bipin Behari Ghosh Memorial Prize	2012-13
	Subir Basu Roy Memorial Prize	2013-14
Pratik Das	Subir Basu Roy Memorial Prize	2012-13
	Syamaprasad Mookerjee Memorial Prize	2013-14
	Santanu Ghosh Memorial Prize	2013-14
	Upendranath Basu Memorial Prize	2013-14
	Sudhansu Kumar Baksi & Sankar Kumar Khan Memorial Prize	2013-14
Subhajit Chakraborty	Bipin Behari Ghosh Memorial Prize	2013-14
Mousumi Ghosh	Subir Basu Roy Memorial Prize	2013-14

Sreejita Banerjee	Subir Basu Roy Memorial Prize	2014-15
Arup Mondal	Subir Basu Roy Memorial Prize	2014-15
Madhumita Das	Upendranath Basu Memorial Prize	2014-15
Sayantani Chakraborty	Bipin Behari Ghosh Memorial Prize	2014-15
Rayan Chakraborty	Upendranath Basu Memorial Prize	2014-15
	Sudhansu Kumar Baksi & Sankar Kumar Khan Memorial Prize	2014-15

ANNEXURE III: DEPARTMENT OF CHEMISTRY

SEMINAR/ WORKSHOPS ATTENDED BY FACULTY

DR AMIYA KUMAR MEDDA

1. Attended workshop on UG Syllabus of BSc (Hons) Practical organised by the Dept of Chemistry, Scottish Church College in 2012.
2. Attended Seminar on “How to Teach Students” organized by BITM Kolkata in 2015.

DR PROSENJIT PANDEY

1. Attended and presented poster in International Seminar on Facets of Weak Interactions in Chemistry (Jan 2011) at Kolkata.
2. Attended and presented poster in Discussion Meeting on Spectroscopy and Dynamics of Molecules and cluster (February 2011) at Corbett National Park.
3. Attended and presented poster in Discussion Meeting on Spectroscopy and Dynamics of Molecules and cluster (February 2012) at Bangalore.

DR MANAS KUMAR BISWAS

1. Attended CSRI Symposium Kolkata Chapter at Visva Bharati Vishyavidyalaya Santiniketan in 2011.
2. Attended UGC sponsored symposium at RKM Residential College, Narendrapur, Kolkata in 2011
3. Attended MTIC XIV, International Symposium at University of Hyderabad in 2011.
4. Attended International Workshop on Gaussian at CLRI and IIT Madras in 2012.

DR. MONAMI MAITI

1. Poster presented on International Conference on ‘Structural Chemistry of Molecules and Materials (SCOMM14)’ hosted by The Royal Society of Chemistry, University of Calcutta, Jadavpur University and Indian Institute of Science Education and Research, Kolkata in 2014.
2. Poster presented on International Symposium on ‘Molecular Organisation and Complexity: A

Chemical Perspective’ organized by Department of Chemistry, University of Calcutta, Kolkata, in 2013.

3. Attended a national seminar on ‘International Year of Chemistry 2011’ organized by Department of Chemistry, Jadavpur University, Kolkata, in 2011.
4. Attended seminar on ‘National Symposium on recent Advances in Chemistry & Industry (2014)’, organized by the Indian Chemical Society in Commemoration of the 153rd Birth Anniversary of Acharya Prafulla Chandra Ray, in 2014.
5. Attended seminar on ‘National Seminar on Recent Advances in Chemistry’ organized by Department of Chemistry, Jadavpur University, Kolkata, in 2012.
6. Attended seminar on ‘National Seminar on Inorganic Chemistry-2011 and the Celebration of 150th Birth Anniversary of Acharya P. C. Ray’ organized by Department of Chemistry, Jadavpur University, Kolkata, in 2011.
7. Attended an international symposium on ‘Facets of Weak Interactions in Chemistry’ organized by Department of Chemistry, University of Calcutta, Kolkata, in 2011.

STUDENT PROGRESSION

Name of Student	Current Status	Pass Out Year
Subhajit De	Ph.D. Student, Tata Institute of Fundamental Research, Hyderabad	2012
Souvik Roy	Senior Technical Officer, Quality and Production, Mendine Pharma Pvt. Ltd.	2012
Mandira Nandi	Ph.D. Student, Supramolecular Chemistry, Indian Association for Cultivation of Science	2012
Angeera Chandra	M.Sc. Chemistry, Indian School of Mines, Dhanbad (IIT, Dhanbad)	2012
Satarupa Ghosh	P.S.O. at McLeods	2012
Soumik Dinda	Ph.D. Scholar, Supramolecular Bioinorganic Interaction, Indian Association for Cultivation of Science.	2012
Titas Chakraborty	Ph.D. Scholar on Nanoparticles, Indian School of Mines, Dhanbad	2012

Institute Joined	No. of Student With Pass out year		
	2013	2014	2015
Calcutta University	18	15	2
Jadavpur University	2	4	
IEST	2		2
Presidency University	1	2	1
IACS	2	2	
RKM Residential College	1	2	
TIFR		1	
ISM		2	1
IIT Madras		2	2
IIT Hyderabad		2	1
BHU			3
Pondicherry University	1		1
Biswa Bharati University	1		
PhD student at University of Rochester, USA	1		
TCS	1		

EVALUATIVE REPORT **DEPARTMENT OF COMPUTER SCIENCE**

1.	Name of the department:	Computer Science	
2.	Year of Establishment:	UG Gen.: 1996 UG Hons.: 2000 PG: 2014	
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (B.Sc. Honours and B.Sc. General) PG (M. Sc. in Computer and Information Science - MSCCS)	
4.	Names of Interdisciplinary courses and the departments/ units involved	With collaborations of the Department of Mathematics, Statistics, Physics and Electronics following courses are running under the department at UG level: <ul style="list-style-type: none">• Community College: Software Development and Mobile Communication• BVOC: Industrial Aquaculture and Software Development	
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System <ul style="list-style-type: none">• B.Sc. (H) at UG level• B.Sc. (G) at UG level Choice Based Credit System (CBS) <ul style="list-style-type: none">• CC at UG Level• BVOC at UG Level Semester System <ul style="list-style-type: none">• MSCCS at PG Level [Systems as per C.U. norms]	
6.	Participation of the department in the courses offered by other departments		
	Name of the course	Name of faculty	Participation
	Add-on, BVOC: Industrial Aquaculture and Software Development, Community College: Software Development and Mobile Communication	Gautam Mahapatra Aparup Khatua Shovan Roy Ananya Ganguly Santanu Modak Rima Ghosh Saurav Malakar Runa Ganguly Debalina Pal	Syllabus preparation, Teaching and Examination system

ASUTOSH COLLEGE SSR 2015

7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL			
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL			
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled	
		Professor	-	-	
		Associate Professor	1	1	
		Assistant Professor	2	-	
		CWTT	5	5	
		Guest Lecturer	26	26	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt./ Ph.D./ M. Phil. etc.)				
	Name	Qualification	Designation	Specialization	No. of Years of Exp. No. of PhD Stdnts
	Gautam Mahapatra	M. Phil equivalent M. Tech, Post Graduate B. Tech. Perusing Ph. D., BIT Mesra	Associate Professor	Computer and Information Science, Computer Science and Engineering	18 -
	Aparup Khatua	M. Tech., M.Sc. Perusing Ph. D., CU	CWTT	Computer and Information Science, Computer Science and Engineering	7 -
	Shovan Roy	M. Tech., M.Sc.	CWTT	Computer and Information Science, Computer Science and Engineering	3 -
List of 26 Guest Lecturers are provided in ANNEXURE-I					
11.	List of senior visiting faculty	<ul style="list-style-type: none"> Prof. Soumya Banerjee, Professor and Head, Dept of Computer Science and Engineering, BIT Mesra, Deoghar Ext Centre, Jharkhand Prof. Paramartha Dutta, Professor, Dept of Computer Science, Viswa-Bharati University, 			

		Bolpur, Santiniketan <ul style="list-style-type: none"> • Prof. Biplab Sikder, Professor, Department of Computer Science and Engineering, IEST, Shibpur, Howrah • Prof. Sarbani Roy (Ghosh), Associate Prof., Dept. of Computer Science and Engineering, Jadavpur University • Prof. Rajat Kr. Pal, Dept. of Computer Science and Engineering, Calcutta University 		
12	Percentage of lectures delivered by temporary faculty	80%		
13.	Student -Teacher Ratio (programme wise)	Session	UG	PG
		2011-12	10:1	-
		2012-13	15:1	-
		2013-14	18:1	-
		2014-15	20:1	4:1
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED	FILLED
		Lab Assistant (Technical)	5	4
		Office Assistant	1	1
		Lab Attendant (Technical)	3	3
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 2 M.Tech: 14 M.Phil: 1 PG: 14		
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	National: AICTE – TEQIP Grant Joint Venture with Dept of Comp Sc and Engg University of Calcutta Grant Received: Rs.50,000/- International: NIL		
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL		
18.	Research Centre/ facility recognized by the University	NIL		

19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1.national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g)Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Gautam Mahapatra		5		5	5					1.2				
Aparup Khatua		4	1	3	3									
Shovan Roy		2	2		-									
Publications: ANNEXURE-II Enclosed														
20.	Areas of consultancy and income generated:				NIL									
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a) National Committees				Gautam Mahapatra: <ul style="list-style-type: none">Member of the Ethical Committee for the ICMR project entitled “Development of humidity sensor for pulmonary function testing of COPD and asthma patients” , organized by Central Glass & Ceramic Research Institute, Kolkata, (2008-2012)Member of Committee for the adaptation of Choice Based Credit System (CBCS) proposed by MHRD, Govt. of India in the State of West Bengal, Department of Higher Education College Sponsored Branch, Govt. of West Bengal, Bikash Bhavan, Salt Lake, Kolkata (2015)Member of Curriculum Design of the West									

		<p>Bengal State Council of Technical Education, Karigari Bhavan, Govt. of West Bengal, (2006-2011)</p> <ul style="list-style-type: none">Member of the Curriculum Design and Implementation of the Department of Fishery Economics, Statistics & Management, West Bengal University of Animal and Fisheries Sciences, Kolkata (2011-2014)Member of the Curriculum Design and Implementation of the Department of Home Science, Viharilal College, University of Calcutta, Kolkata, (2007-2015).					
	b) International Committees	NIL					
	c) Editorial Board	NIL					
22.	Student projects						
a)	Percentage of students who have done in-house projects including inter departmental/ programme	Almost all students do their projects In-House and the detailed list is provided in ANNEXURE-III					
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	2% in University, Institutes and Industries.					
23.	Awards/ Recognitions received by faculty and students:						
NIL							
24.	List of eminent academicians and scientists/ visitors to the department:						
Prof. Richard Matthew Stallman Stallman launched the GNU Project, founded the Free Software Foundation, developed the GNU Compiler Collection and GNU Emacs, and wrote the GNU General Public License (2009).							
Prof. Subhanshu Bandyopadhyay , Retired Professor, Dept of Computer Science and Engineering, University of Calcutta							
25.	Seminars/ Conferences/ Workshops organized & the source of funding a) National: NIL b) International: NIL						
26.	Student profile programme/ course wise:						
	Name of the Programme: BSc with Computer Science (Honours) (UG)						
Year	Appl. Received	Selected	Enrolled		Year	Pass %	No of 1st Class
			M	F			
2015-16	2425	95	67	28	2015-16	98%	58 (1 st , 2 nd)
2014-15	2139	99	64	35	2014-15	92%	31 (1 st)

2013-14	1972	102	61	41	2013-14	98%	46 (3 rd)
2012-13	1869	106	60	46	2012-13	100%	14 (3 rd)
27.	Diversity of Students						
Name of the Course: : BSc with Computer Science (Honours) (UG)							
Year		% of Students from the same state		% of students from other States		% of students from abroad	
2015-16		96%		4%		-	
2014-15		95%		5%		-	
2013-14		99%		1%		2%	
2012-13		98%		2%		2%	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? Data not available						
29.	Student progression:						
UG to PG							
PG to M.Phil.				75%			
PG to Ph.D.				20%			
Ph.D. to Post-Doctoral				2%			
Employed							
•Campus selection				50%			
•Other than campus recruitment				20%			
Entrepreneurship/Self-employment				2%			
30.	Details of Infrastructural facilities						
	(a) Library: Apart from general we have the departmental seminar library with almost all the text referred in the C. U. syllabus: Some journals are also available for teachers and students. Central Library: 1185 books Seminar Library: 746 books Reading Library: 75 books						
	(b) Internet facilities for Staff & Students: Wi-Fi facility available.						
	(c) Class rooms with ICT facility: All classrooms with ICT facility						
	(d) Laboratories: Four (2 for PG and 2 for UG) laboratories (hardware and software) for UG and PG students. <u>Servers:</u> <ul style="list-style-type: none">• IBM X200 Server (2)						

	<p><u>Desktop PC:</u></p> <ul style="list-style-type: none"> • Intel Dual Core based IBM compatible PC (7) • Intel Core 2 Duo based IBM compatible PC (10) • Intel i3 based IBM compatible PC (12) • Intel i5 based IBM compatible PC (14) • Intel i7 based IBM compatible PC (1) • Laptop • Intel Dual Core based laptop, DELL (1) <p><u>Printers:</u></p> <ul style="list-style-type: none"> • Laser Printer, HP Laser Jet 1020 (3) • Colour Laser Printer, HP Laser Jet 200C (1) <p><u>Scanner:</u></p> <ul style="list-style-type: none"> • Cannon Flatbed A4 size Scanner (2) • HP Flatbed Scanner A3 size (1) <p><u>LAN Infrastructure</u></p> <ul style="list-style-type: none"> • 64 ports based 10/100 ethernet stacked switch mounted in a 6U rack for Cat-5 based structure cable based LAN. Also it is connected with broadband service for LAN-based internet and Wi-Fi based internet. <p><u>Softwares:</u></p> <p><u>Operating Systems:</u></p> <ul style="list-style-type: none"> • MS Windows XP and 7 for desktop computers • MS Windows 2002 Server for server computers • Linux OS – Red Hat, Fedora, Ubuntu and Debian Linux <p><u>Programming Languages, IDE and SDK:</u></p> <ul style="list-style-type: none"> • Dev C++, Visual Studio with Visual C++, Visual Basic, Visual J++, JAVA, Python, R, Lex and YACC, CUDA, PHP, Javascript, PL/SQL <p><u>Back-end-tools:</u></p> <ul style="list-style-type: none"> • Oracle Database, MySQL <p><u>Packages:</u></p> <ul style="list-style-type: none"> • Keil Mu Vision for microcontroller programming, Xilinx ISE for VHDL based programming and simulation, Matlab, Octave, Hadoop <p><u>Document Publishing Packages:</u></p> <ul style="list-style-type: none"> • Latex, Kile and PDF writer 	
31.	Number of students receiving financial assistance from college, university, government or other agencies	10% from College 5% from State Govt. 2% from Central Govt. 2% from NGO/other agencies
32	Details on student enrichment programmes (special lectures/	Departmental seminars and lectures are arranged from time to time for the students.

	workshops/ seminar) with external experts:	
33	Teaching methods adopted to improve student learning:	
	<ul style="list-style-type: none"> • Traditional lecture methods using chalk and blackboard. • Question answer sessions. • Class-room interaction and discussions. • Tutorials and Group Discussions. • Sometimes lectures have been arranged through power point projection for student's interest. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: By Students: Interested students of the department participate in N.S.S or N.C.C activities. They also participate as volunteer in various programs/activities organized by the college. By Faculty: All the faculty members are engaged in examination system of Hons. and Gen. Papers of Computer Science of CU Gautam Mahapatra is associated with many other Universities and Institutes for guiding different Project Works at PG level. Details are in ANNEXURE-IV	
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> • Successfully implemented many projects for the college like online admission system, college website, online student management system, online digital library system etc. • Consistent very high performance by students in both UG and PG level • One of the best Computer Science department under CU • All faculty members and staffs are very much cordial and supportive.
	Weaknesses:	<ul style="list-style-type: none"> • Student-teacher ratio is severely low • Inadequate space • Tremendous load for existing faculty members
	Opportunities:	<ul style="list-style-type: none"> • All pass out students are absorbed by the national and multinational industries, Govt. sectors, research organizations and academics.
	Challenges:	<ul style="list-style-type: none"> • Motivating the students • Successful running of newly opened PG course. • Opening scope for research in practical field
	Future plans:	<ul style="list-style-type: none"> • Interdisciplinary approach for the proper utilization of information technology • Opening of M.Phil. or M.Tech. level course

		• Industrial relationship
--	--	---------------------------

ANNEXURE-I

List of Guest Lecturers:

Name	Qualification	Position	Specialisation	Years of Experience	No. of PhD stdnts
Dr. Indrajit Bhattacharya	Ph. D., M.Tech., M.Sc.	Guest Lecturer	Computer and Information Science	12	2 (Registered)
Sudhakshina Dasgupta	M. Tech., M.Sc. Perusing Ph. D., JU	Guest Lecturer	Computer and Information Science	12	-
Biswajita Dutta	M. Tech., M.Sc. Perusing Ph. D., CU	Guest Lecturer	Computer and Information Science	10	-
Susikta Das	M.Sc., CU	Guest Lecturer	Computer and Information Science	10	-
Suraj Sankar Bose	B. Tech., M.Tech.	Guest Lecturer	Electronics and Communication	12	-
Debdutta Banerjee	M. Sc. Perusing M.Tech., CU	Guest Lecturer	Computer and Information Science	3	-
Shilpa Saha	MCA	Guest Lecturer	Computer and Information Science	3	-
Sourav Malakar	M. Sc., M.Tech., CU	Guest Lecturer	Computer and Information Science	2	-
Pratyay Ranjan Dutta	M.Sc.	Guest Lecturer	Statistics	3	-
Ananya Ganguly	M.Sc.	Guest Lecturer	Computer and Information Science	2	-

ASUTOSH COLLEGE SSR 2015

Runa Ganguly	M.Sc.	Guest Lecturer	Computer and Information Science	2	-
Sarbani Ghosh	M.Sc.	Guest Lecturer	Computer and Information Science	3	5 (Registered)
Debalina Pal	M.Sc.	Guest Lecturer	Computer and Information Science	2	-
Tuhin Utsav Pal	M.Sc., M. Tech.	Guest Lecturer	Computer and Information Science	4	-
Jayashri Nath	M.Sc., M.Tech.	Guest Lecturer	Computer and Information Science	5	-
Subhajit Saha	MCA	Guest Lecturer	Computer and Information Science	2	-
Dr. Asit Kumar Das	M. Phil equivalent M. Tech, Post Graduate B. Tech., Ph. D., BIT Mesra	Guest Lecturer	Computer and Information Science	15	6 (Registered)
Sukanta Bhattacharjee	B.Tech., M.Tech. Perusing Ph. D., ISI.	Guest Lecturer	Computer and Information Science	3	-
Soumen Nandi	B.Tech., M.Tech. Perusing Ph. D., ISI.	Guest Lecturer	Computer and Information Science	2	-
Ayan Panja	M.Sc.	Guest Lecturer	Computer and Information Science	1	-
Subhasree Acharya	M.Sc.	Guest Lecturer	Computer and Information Science	1	-
Subham	M.Sc.	Guest	Computer and	1	-

Manna		Lecturer	Information Science		
Tathagata Dey	M.Sc.	Guest Lecturer	Computer and Information Science	1	-
Titli Sarkar	M.Sc., M.Tech	Guest Lecturer	Computer and Information Science	2	-
Kaushik Dutta	B.Tech, M.Tech., Perusing Ph. D., IIST.	Guest Lecturer	Computer and Information Science	1	-
Soumajyoti Banerjee	M.Sc., Perusing Ph.D., Bose Institute.	Guest Lecturer	Applied Mathematics	1	-

ANNEXURE-II

LIST OF PUBLICATIONS

Gautam Mahapatra

1. Priodyuti Pradhan, P. Syam Kumar, Gautam Mahapatra, and R. Subramanian, "Distributed Verification Protocols for Data Storage Security in Cloud Computing." In *Communication, Information and Computing Technology (ICCICT), 2012, International Conference on*, Mumbai, India, October 2012, pp. 1-6. IEEE, 2012.
2. Gautam Mahapatra and Soumya Banerjee. "A Study of Bacterial Foraging Optimization Algorithm and its Applications to Solve Simultaneous Equations." *International Journal of Computer Applications* 72.5 (2013): 1-6.
3. Gautam Mahapatra and Soumya Banerjee. "Bilevel Optimization using Firefly Algorithm." In *Computing and Communication (IEMCON 2014), International Conference on*, Kolkata, India, August 2014, pp. 313- 322, Elsevier Publications, 2014.
4. Gautam Mahapatra and Soumya Banerjee. "Bilevel Optimization using Bacteria Foraging Optimization Algorithm", In *Swarm, Evolutionary, and Memetic Computing (SEMCCO 2014), International Conference on*, Bhubaneswar, India, December 2014, Springer International Publishing, LNCS, 2014.
5. Gautam Mahapatra and Soumya Banerjee. "An Object-Oriented Implementation of Bacteria Foraging System for Data Clustering Application", to be published in *Computing and Communication*

(IEMCON 2015), *International Conference on*, Vancouver, Canada, October 2015, IEEE, 2015.

Shovan Roy

1. Shovan Roy, Sunirmal Khatua, "Memory-efficient Short Read Sequence Alignment Algorithm for Human Genome Sequence", IJSER, Volume 4, Issue 8, August 2013 Edition (ISSN 2229-5518), pp. 1014-1020. [Impact Factor: 1.4]
2. Shovan Roy, "A Non-restoring Division Algorithm", IOSR Journal of Computer Engineering (IOSR-JCE), e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 16, Issue 4, Ver. VII (Jul – Aug. 2014), PP 27-30. [Impact Factor: 1.686]

Aparup Khatua

1. Khatua, Aparup, Apalak Khatua, Kuntal Ghosh, and Nabendu Chaki. "Can# Twitter_Trends Predict Election Results? Evidence from 2014 Indian General Election." In *System Sciences (HICSS), 2015 48th Hawaii International Conference on*, pp. 1676-1685. IEEE, 2015.
2. Khatua, Aparup, and Nabendu Chaki. "Sustainable peer-based structure for content delivery networks." In *Proceedings of the CUBE International Information Technology Conference*, pp. 403-408. ACM, 2012.
3. Khatua, Aparup, and Apalak Khatua. "How Stock Market Reacts to Budget Announcement? Through the Lens of Social Media in Indian context", *Management and Labour Studies*, Vol. 40, No.3 (2015).
4. Khatua, Aparup. "Applicability of Twitter for Social Media Analytics in India: An Exploratory Study", *American Journal of Advanced Computing*, (2015)

ANNEXURE-III **LIST OF STUDENT PROJECTS**

1. B.Sc.(H) final year project on "Implementation of Ichihara Method for the Measurement of Color Blindness", Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2008
2. B.Sc.(H) final year project on "Microcontroller based Maximum Solar Radiation Tracker", Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2008
3. B.Sc.(H) final year project on "Quine - McClusky based function minimization and File Compression technique", Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2009
4. B.Sc.(H) final year project on "PC Software based Oscilloscope", Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2009

5. B.Sc.(H) final year project on “Object Oriented Modeling of Atom, Molecule, Crystal and Chemical compounds”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2010
6. B.Sc.(H) final year project on “ Operating System Design - basic operations only with simple interface under the *IBM PC Architecture*”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2010
7. B.Sc.(H) final year project on “Use K-map method for the Short Message Compression”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2010
8. B.Sc.(H) final year project on “Simulation of Floating Point operations in a machine without *floating number system*”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2010
9. B.Sc.(H) final year project on “Simulation of Virtual Memory Management System in O.S.”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2010
10. B.Sc.(H) final year project on “Asutosh College Smart Student Entry System”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2011
11. B.Sc.(H) final year project on “Selection of Program Slots of Television Channels for Giving Advertisement using Interval Arithmetic and Interval Graph techniques”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2011
12. B.Sc.(H) final year project on “Study and Implementation of a 32bit Monolithic Kernel on Intel I/A32 and Compatible Micro Processor”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2011
13. B.Sc.(H) final year project on “Computer Simulator of Queuing System”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2011
14. B.Sc.(H) final year project on “Simulation of Electric Dipole Using Object Oriented Programming”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2011
15. B.Sc.(H) final year project on “Distribution of Sunlight to the Different Part of a Building/Campus using Optical Fiber based Hybrid Lighting System”, Dept. of Comp. Sc., Asutosh College, Kolkata, University of Calcutta, 2011

EVALUATIVE REPORT

DEPARTMENT OF ECONOMICS

1.	Name of the department:	ECONOMICS		
2.	Year of Establishment:	1932		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG: Honours and General		
4.	Names of Interdisciplinary courses and the departments/ units involved	NIL		
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University of Calcutta Norms		
6.	Participation of the department in the courses offered by other departments	NIL		
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		
		Associate Professor		1
		Assistant Professor	4	2
		Contractual Whole Time Teacher		
		Part Time Teacher		

ASUTOSH COLLEGE SSR 2015

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
	Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
	Arundhuti Chanak	M.Phil.	Associate Professor	Statistics & Econometrics	34 (Retd: 31 st January, 2015)	-
	Suparna Basu	M.Phil.	Associate Professor	Statistics & Econometrics	18	-
	Maniparna Syam Roy	Ph.D.	Assistant Professor	Statistics & Econometrics	7	-
	Dilruba Khatun	Ph.D.	Assistant Professor	Agricultural Economics	1	-
	Promita Mukherjee	M.Phil.	Guest lecturer	Applied Mathematical Economics	2	-
	Ranjana Chakraborty	M.Sc.	Guest lecturer	International Trade	3	-
	Saptarshi Mitra	M.Sc.	Guest lecturer	Advanced Econometrics, International Economics, Political Economics of Development	3	-
	Shumonika Gangoly	M.Phil.	Guest lecturer	Econometrics	2	-
	Rudra Prasad Roy	M.Sc.	Guest lecturer	Econometrics	1	-
	Saumyabrata Chakraborty	M.Sc.	Guest lecturer	Advanced Economic Theory	6	-
	Tina Mukherjee	M.Sc.	Guest lecturer 2014	Economics of Industry Applied Econometrics Health Economics	1	-
11.	List of senior visiting faculty: NIL					

ASUTOSH COLLEGE SSR 2015

12	Percentage of lectures delivered by temporary faculty	2012-13: 10% 2013-14: 10% 2014-15: 10% 2015-16: 20%												
13.	Student -Teacher Ratio (programme wise)	Session	UG											
		2012-13	85:1											
		2013-14	85:1											
		2014-15	87:1											
		2015-16	87:1											
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	NIL												
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 2 MPhil: 3 M.Sc. : 2												
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL												
18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Suparna Basu		7	6	1										
Maniparna Syam Roy		4	1	-			2		1					
Dilruba Khatun		5	2	-			2		1					
PUBLICATION LIST: ANNEXURE I														

ASUTOSH COLLEGE SSR 2015

20.	Areas of consultancy and income generated:		NIL				
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.						
	a) National Committees		Maniparna Syam Roy: Member of Indian Economic Association, Bengal Economic Association, Indian Society of Ecological Economics. Dilruba Khatun: Member of Agricultural Economics Research Association.				
	b) International Committees		NIL				
	c) Editorial Board		NIL				
22.	Student projects						
a)	Percentage of students who have done in-house projects including inter departmental/ programme		2013: 61(100%) 2014: 58(100%) 2015: 79(100%)				
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies		NIL				
23.	Awards/ Recognitions received by faculty and students:		ANNEXURE-II ENCLOSED				
24.	List of eminent academicians and scientists/ visitors to the department: NIL						
25.	Seminars/ Conferences/ Workshops organized & the source of funding		National: NIL International: International Workshop on August 13, 2014 by Sri Punarjit Roy Chowdhury (Southern Methodist University) on Recent trends in Development Economics funded by the college				
26.	Student profile programme/ course wise:						
	Name of the Programme: BSc with ECONOMICS (Honours) (UG)						
Year	Applicatn Received	Selected	Enrolled			Pass %	No of 1 st Class
			M	F			
2015-16	1264	100	56	44	2015-16	100%	22
2014-15	1148	111	64	47	2014-15	100%	14 (1 ST)
2013-14	1058	86	41	45	2013-14	100%	30 (3 RD)
2012-13	1023	85	41	44	2012-13	100%	19 (1 ST)

ASUTOSH COLLEGE SSR 2015

27.Diversity of Students:			
Name of the Course: : BSc with ECONOMICS (Honours) (UG)			
Name of the Course	% of Students from the same state	% of students from other States	% of students from abroad
2015-16	98%	2%	NIL
2014-15	97%	3%	NIL
2013-14	99%	1%	NIL
2012-13	100%	NIL	NIL
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?		
29.	Student progression:		
Student progression			
UG to PG		90%	
PG to M.Phil.		Data not available	
PG to Ph.D.		Data not available	
PhD to Post-Doctoral		Data not available	
Employed		AROUND 5% from campus	
Campus selection			
Other than campus recruitment			
Entrepreneurship/ Self-employment			
30.	Details of Infrastructural facilities		
	(a)Library: There are 346 books in Departmental Library. Books are given on a regular basis for 7 days on the basis of the seminar library card. This facility is only for the Honours students in the department of Economics. Dr. Dilruba Khatun is in charge of the seminar library of the Department.		
	(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below: Lenovo Intel(R)core(TM)i3-3110M CPU@ 2.40GHz.2GB RAM,ITB HDD		
(c) Class rooms with ICT facility: Central Facility			
(d) Laboratories: NA			
31.	Number of students receiving financial assistance from college, university, government or other agencies	N/A	
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	Workshop on scope of development economics on higher studies by Sri Punarjit Roy Chowdhury (Southern Methodist University) on August 13, 2014	

33	Teaching methods adopted to improve student learning: Along with our traditional method of teaching, the department also takes utmost care to meet the students' queries relating to syllabus and to solve university question papers of the previous years as well as model papers. One-to-one contact method with students for problem solving and answer correction is also undertaken.	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: The students of different years have successfully participated in various competitions arranged by other colleges and university. Their achievements are given in details corresponding to criterion 23. The teachers of the department participate in different stages (eg. setting question papers, moderation of questions and checking and scrutinizing the answer-scripts and evaluating term papers) of undergraduate examinations of University of Calcutta. One of the faculty also sets as well as moderates question papers and reviews answer scripts of Ranakrishna Mission Residential College Narendrapur (Autonomous)	
	Name	Institutional Social Responsibility (ISR) and Extension activities
	Suparna Basu	Paper Setter (CU, Ramkrishna Mission Residential College) Moderator (CU, Ramkrishna Mission Residential College) Examiner (CU)
	Maniparna Shyam Roy	Head Examiner (CU) Paper Setter (CU, West Bengal School Service) Examiner (CU) <ul style="list-style-type: none"> • Attended and presented paper in Census Dissemination Workshop organized by ISI and Directorate of Census Operation sponsored by UNFPA on December 2014 • Attended and presented paper in UGC- sponsored State Level Seminar on "Environmental Pollution: Causes, Impact and Control" organized by Bhawanipore Education Society College, Kolkata on May 2015
	Dilruba Khatun	Internal Examiner (CU) External Examiner-Practical (Visva Bharati University) <ul style="list-style-type: none"> • Attended and presented paper in Agricultural Strategies Vis-à-Vis Environment: Vision 2025 organized by Agro-economic Research Centre, Visva-Bharati, Santiniketan on 22-23 March, 2011 • Attended and presented paper in Diversification of Agriculture in Eastern India organized by Agro-economic Research Centre, Visva-Bharati, Santiniketan on 23-25 March, 2012 • Attended and presented paper in Advances in Agricultural Research towards Food Security and Environmental Sustenance organized by PalliSiksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan <i>in collaboration</i>

		with International Plant Nutrition Institute on 1-3 September, 2012.
35	SWOC analysis of the department and Future plans	
	Strengths:	Satisfactory results. The students of the Department have been receiving ranks in University Examinations consistently.
	Weaknesses:	No reading room for seminar library.
	Opportunities:	Students either pursue higher studies or get absorbed in different jobs
	Challenges:	Individual supervision of term paper of huge number of students
	Future plans:	More emphasis on solving university model and actual questions in different examinations. reduce the number of students getting admission in Economics (Honours) In order to improve interaction with students and take individual care of each student.

ANNEXURE I: DEPARTMENT OF ECONOMICS

LIST OF PUBLICATION BY FACULTY

SUPARNA BASU

1. Suparna Basu & Debabrata Datta, Does Fiscal Deficit Influence Trade Deficit? An Econometric Enquiry, Economic and Political Weekly, July 23, 2005, Vol. XL, No.30. *The paper has been accepted for presentation in Conference on Growth, Development, and Macroeconomic Policy at ISI, Delhi Dec 17-18, 2004, and XIVth Annual General Conference on Contemporary Issues in Development Economics Organized by Department of Economics, Jadavpur University, Kolkata, India on 21-22nd December, 2004.*
2. Suparna Basu & Debabrata Datta India-Bangladesh Trade Relations: Problem of Bilateral Deficit, Indian Economic Review, Jan-Jun, 2007, Vol. XXXXII, No.1. *The paper has been presented in a workshop on Economic Theory/Applied Economic Theory held at Centre for Studies in Social Sciences, Calcutta on 7th and 8th July 2003.*

3. Suparna Basu & Debabrata Datta, India-Bangladesh Trade Deficit and Misaligned Bilateral Exchange Rate: Can Bangladesh Draw Lessons from Indonesia? Journal of Asia Pacific Economy Vol.12 No. 1, 2007. IF: 0.429, h-Index: 16, SJR: 0.17.
4. Suparna Basu & Debabrata Datta, Fiscal Deficit and Interest rate in India: A co integration Analysis, ArthanaVijnana, March-June 2006, Vol. XLVIII Nos. 1& 2. *The paper has been presented in 41st Annual Conference of the Indian Econometric Society, held at Jadavpur University, Kolkata from 20th to 22nd January 2005.*
5. Debabrata Datta & Suparna Basu Urban Water Supply: Some Reflections on the Issue of Pricing, Nagarlok, Indian Institute of Public Administration, December 1999.
6. Suparna Basu & Debabrata Datta, Fiscal deficit, Interest rate and Investment in the Context of Growing Savings rate in INDIA: A macro econometric study, India Macroeconomics annual, 2004-05. The paper has been presented in 41st Annual Conference of the Indian Econometric Society, held at Jadavpur University, Kolkata from 20th to 22nd January 2005.
7. Suparna Basu & Debabrata Datta, Is government expenditure in India growth- promoting: An econometric testing, The Indian Journal Of Economics, Vol LXXXIX No. 354. *The paper has been accepted for presentation in 2006 South and South East Asia Econometric Society Meeting (SAMES 06), held at The Institute for Financial Management and Research, Chennai, December 18-20, 2006.*

MANIPARNA SYAM ROY

1. Syam Roy, Maniparna: Environmental Resources and Limits to Growth” ACCUED publication 2007
2. Roy, Joyahree, Syam Roy, Maniparna, Deb, Abhinanda “Sustainable Development: An Assessment for Paschimbanga.” Indian Economic Development: Contemporary Issues, edited by D N Bhattacharyya, 14-49. New Delhi: Regal Publications, 2012.
3. Syam Roy, Maniparna “Highlights of Census 2011 (Provisional Estimates) with respect to West Bengal and India and its implications on the Economy” in ArthaBeekshan Volume 21 No.2, 99-107. 2012
4. Syam Roy, Maniparna “Green Accounting for Air and Water Resources” Lambert Academic

Publishing, 2014.

DILRUBA KHATUN

1. Khatun, Dilruba , Roy Bidhan Chandra: “Rural Livelihood Diversification in West Bengal: Determinants and Constraints” in Agricultural Economics Research Review Volume 25(No.1)115-124, 2012
2. Khatun, Dilruba , Roy Bidhan Chandra “Impact of Rural Livelihood Diversification on Livelihood security in West Bengal” in Economic Affairs Volume 58(No.3) 183-193, 2013
3. Khatun, Dilruba , Roy Bidhan Chandra “Vulnerability of Rural Livelihood: Some Insights From West Bengal” in Sustainable Agriculture and Environment, edited by Kazi MB Rahim, Debashissarkar and Bidhan Chandra Roy, 157-171, New Delhi Publishers, 2012
4. Khatun, Dilruba , Roy Bidhan Chandra “Rural Livelihood Diversification in West Bengal” Lap Lambert Academic Publishing, 2012
5. Khatun, Dilruba , Roy Bidhan Chandra “Crop Diversification in West Bengal: Nature and Constraints” in Diversification of Agriculture in Eastern India edited by Madhusudan Ghosh, Debashis Sarkar and Bidhan Chandra Roy, 141-153, Springer, 2015

ANNEXURE II: DEPARTMENT OF ECONOMICS

AWARDS/ RECOGNITIONS

RECEIVED BY FACULTY AND STUDENTS

Students Awards and Recognitions:

Name	Awards and Recognitions
Shrayan Bannerjee	Participated in The All India Essay Writing Events 2014
Ritabrita Karmakar	<ul style="list-style-type: none"> • Certificate of Appreciation for 2nd place in Basketball at EPIGNOSIS 2K15 • Shilpa Visharad from Sarbabharatiya Sangeet –o-

	<p>Sanskriti Parishad in the year 2013-14</p> <ul style="list-style-type: none"> • Nritya Visharad from Sarbabharatiya Sangeet –o- Sanskriti Parishad in the year 2012-13
Arko Banerjee	<ul style="list-style-type: none"> • Winners (Viewer Choice) in Ecolens at Young Economist Student' meet 2015 Jadavpur University • Participated in the third national fest, Altius, 2012 Christ College, Bangalore • Won the best team in Debate competition in the third national fest, Altius, 2012 Christ College, Bangalore • Certificate from CRY for being a supporter of child rights • Participated in CONJECTURE at Confluence 2012, St. Xavier's College • Participated in CONFLUENCE at Confluence 2012 St. Xavier's College • Participated in paper presentation at Young Economist Students' Meet 2013, Jadavpur University • Participation Certificate for Spring fest 2013, IIT Kharagpur.
Mrinmoy Chakraborty	<ul style="list-style-type: none"> • Won 2nd prize in Bulls & Bears competition in Altius 2012, Christ College, Bangalore.
Kriti Roy	<ul style="list-style-type: none"> • Secured 1st place in Bidding war competition in Altius 2013 Christ College, Bangalore • Certificate of participation in Altius 2013 Christ College, Bangalore
Ishita Guha	<ul style="list-style-type: none"> • Winners (Viewer Choice) in Ecolens at Young Economist Student' meet 2015 Jadavpur University
Sanchari Bhattacharya	<ul style="list-style-type: none"> • Certificate of participation in Altius 2013 Christ College, Bangalore • Winners (Viewer Choice) in Ecolens at Young Economist Student' meet 2015 Jadavpur University
Soubhari Chatterjee	<ul style="list-style-type: none"> • 1st Runners Up 2015 at Odeon First stage, the inter college theatre festival.
Oindrila Das	<ul style="list-style-type: none"> • 1st Runners Up 2015 at Odeon First stage, the inter college theatre festival.
Ritabrita Chattakhandi	<ul style="list-style-type: none"> • 1st place in Shruti Natak (Dramatics Society) at Samagam 2013, held at Loreto College, Kolkata. • 3rd place in Street Play at Samagam 2014, held at Loreto College, Kolkata. • 3rd place in Drama in Caliesta 2014, University of Calcutta. • 3rd position in Drama Competition in Xavullash and

	Sanghati, 2015 held at St. Xavier's College
Rohit Bose	<ul style="list-style-type: none"> • 3rd position in Drama Competition in Xavullash and Sanghati, 2015 held at St. Xavier's College.
Aishik Saha	<ul style="list-style-type: none"> • Participated in paper presentation at Young Economist Students' Meet 2013, Jadavpur University • 1st prize in Hard sell competition in Altius 2012 Christ College, Bangalore • First position in Shuffle Competition, Spring fest • Certificate from CRY for being a supporter of child rights
Srutakriti Mukherjee	<ul style="list-style-type: none"> • 3rd position in Street play at Umang 2014 held at The Bhawanipore Education Society College • 1st position in Street play at INSPIRO(Kolkata Youth festival) 2014 • 3rd position in Drama Competition in Xavullash and Sanghati, 2015 held at St. Xavier's College.
Sayandeep Paul	<ul style="list-style-type: none"> • 3rd position in Drama Competition in Xavullash and Sanghati, 2015 held at St. Xavier's College. • 1st position in Street play at INSPIRO(Kolkata Youth festival)2014
Rituparna Ghosh	<ul style="list-style-type: none"> • 1st position in Bharatnatyam Dance in 2013-14 organized by Paschimbanga Rajya Sangeet Academy
Anirban Mitra & Anushua Banerjee	<ul style="list-style-type: none"> • 1st place in Paper Trial at Young Economist Students Meet 2016, organised by the Department of Economics, Jadavpur University 2105

ANNEXURE III: DEPARTMENT OF ECONOMICS

RENOWNED ALUMNI OF THE DEPARTEMENT

1. Debashis Biswas, Inspector of Colleges, University of Calcutta
2. Saibal Kar, 1. Associate Professor of Economics, Centre for Studies in Social Sciences, Calcutta.
3. Bidisha Chakraborty, Assistant Professor, Department of Economics, Jadavpur University.
4. Soumya Chakraborty, Associate Professor, Department of Economics and Politics, Visva-Bharati.

EVALUATIVE REPORT

DEPARTMENT OF ELECTRONICS

1.	Name of the department:	ELECTRONICS		
2.	Year of Establishment:	2006		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG B.Sc. (Honours)		
4.	Names of Interdisciplinary courses and the departments/ units involved	B.VOC & Community College Programme		
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University or Calcutta Norms		
6.	Participation of the department in the courses offered by other departments	Name of the Course	Name of the Faculty	Participation
		B.VOC	Dr. Manidipa Kahali	Syllabus & Board of Studies
			Dr. Sourav Kumar Bhowmick	Teaching & Examination System
			Arnab Samadder	Teaching & Examination System
			Madhurima Chatterjee	Teaching & Examination System
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		

ASUTOSH COLLEGE SSR 2015

9.	Number of Teaching posts sanctioned and filled				Sanctioned	Filled
				Professor		
				Associate Professor		
				Assistant Professor		
				Contractual Whole Time Teacher	3	2
				Part Time Teacher	1	1
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Dr.Manidipa Kahali		M.Sc., Ph.D	Head of the Department	Atomic Physics	21	NIL
Dr.Sourav Kumar Bhowmick		M.Sc, Ph.D	CWTT	Non Linear Dynamics	2	NIL
Arnab Samadder		M.Sc	CWTT		7	NIL
Tania Das		MSc	CWTT		8	NIL
Madhurima Chatterjee		M.Sc	PTT		3	NIL
11.	List of senior visiting faculty			Prof. Angshutosh Khan (Associate Professor, Retd.), Asutosh College Prof. Bikash Chandra Pal (Associate Professor, Retd.), Asutosh College		
12	Percentage of lectures delivered by temporary faculty			29.7%		
13.	Student -Teacher Ratio (programme wise)			Session	UG	
				2011-12	8:1	
				2012-13	9:1	
				2013-14	16:1	
				2014-15	16:1	
14.	Number of academic support staff			Two		

ASUTOSH COLLEGE SSR 2015

	(technical) and administrative staff; sanctioned and filled	<ul style="list-style-type: none"> • Lab. Assistant: 1 • Lab. Attendant: 1
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 2 PG :3
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	National: 1
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	DST-SERB Start Up Research Grant (Young Scientists) “Boolean Chaos: experimental study (2016-2019) , Amount: 20,78000/- (File no. YSS/2014/000687)
18.	Research Centre/ facility recognized by the University	NIL

19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index														
	FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
	Dr. Sourav Kumar Bhowmick		11	11										17	5
	PUBLICATION LIST : ANNEXURE I														
	20.	Areas of consultancy and income generated:									NIL				
	21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
		a) National Committees									NIL				

	b) International Committees	NIL	
	c) Editorial Board	NIL	
22.	Student projects		
a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL	
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	NIL	
23.	Awards/ Recognitions received by faculty and students:		
	NAME	AWARD	SESSION
	Atreyee Roy	Prof William B Schokley Memorial Prize	2012-13
	Torsa Sengupta	Prof J S Kilby Memorial Prize	2012-13
	Sumanta Banerjee	Acharyya JC Bose Memorial Prize	2012-13
	Sudarsana Banerjee	Prof William B Schokley Memorial Prize	2013-14
	Debapriya Mukherjee	Prof J S Kilby Memorial Prize	2013-14
		Acharyya J C Bose Memorial Prize	2014-15
	Torsa Sengupta	Acharyya J C Bose Memorial Prize	2013-14
	Rathin Dey	Prof William B Schokley Memorial Prize	2014-15
	Uttal Ghosh	Prof J S Kilby Memorial Prize	2014-15
	Pubali Chowdhury	1 st Prize, Poster Competition on Observance of National Energy Conservation at IISWBM	14.12.15
	Sanjukta Pal	2 nd Prize, Poster Competition on Observance of National Energy Conservation at IISWBM	14.12.15
24.	List of eminent academicians and scientists/ visitors to the department:	1) Dr. Diptiman Roy Chowdhury (RajaBazar Science College) 2) Prof. Abhijit Poddar (Asst.Prof. Dept.of Electronics, Surendranath Evening College) 3) Prof. Tridibendra Narayan Chattopadhyay (Dinabandhu Andrews College) 4) Prof. Susil Sarkar (Vidyasagar College)	
25.	Seminars/ Conferences/ Workshops organized & the source of funding	a) National: NIL b) International : NIL	

ASUTOSH COLLEGE SSR 2015

26.	Student profile programme/ course wise:						
	Name of the Programme: BSc with ELECTRONICS (Honours) (UG)						
Year	Applications Received	Selected	Enrolled		Year	Pass %	No of 1 st Class
			M	F			
2015-16	1123	50	38	12	2015-16	100%	8
2014-15	963	50	34	16	2014-15	100%	7 (2 ND IN CU)
2013-14	719	56	35	21	2013-14	100%	9
2012-13	541	48	34	14	2012-13	100%	2
NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year							
27.	Diversity of Students						
Name of the Course: : BSc with ELECTRONICS (Honours) (UG)							
Year		% of Students from the same state		% of students from other States		% of students from abroad	
2015-16		100%		NIL		NIL	
2014-15		100%		NIL		NIL	
2013-14		96%		4%		NIL	
2012-13		98%		2%		NIL	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? N/A						
29.	Student progression:						
UG to PG			Around 50% (43 out of 93 passed out from year 2009 to 2015.)				
PG to M.Phil.			Data not available				
PG to Ph.D.			10% Student (as per Data Available)				
Employed			Students get employment in companies like TCS, WIPRO, IBM after pass out or after completing PG				
Campus selection			5%				
Other than campus recruitment			Data Not Available				
Entrepreneurship/ Self-employment			Data Not Available				
30.	Details of Infrastructural facilities						
	(a) Seminar Library: The department has its own departmental seminar library in addition to the central library facility. Departmental library is well maintained. It contains more than 280 Books of renowned National & International Authors. Beside this the total number of books for Electronics (Central Library, Reading Library & Seminar Library) is 625.						

(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:		
Configuration		Number
Desktop: Intel Core 2 Duo Processor 2.20GHz, 1 GB RAM, 160 GB HDD, DVD Drive.		3
Desktop: Intel Dual Core Processor 3.20 GHz, 2 GB RAM, 500 GB HDD, DVD Drive.		1
Desktop: Intel Core i3 (4 th gen) Processor, 4 GB RAM, 1 TB HDD, DVD Drive		7
Lenovo Laptop G580(Intel core i3 Processor 2.40GHz, 2 GB Ram, 500 GB HDD)		1
HP Laser Jet P2014 Printer		1
Scanner (Canon-Canoscan Lide 25)		1
BenQ Projector (With remote)		1
I-Ball Pen Tablet		1
D-Link (DGS-1008D) 8 Port switch For Lan		1
Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.		
(c) Class rooms with ICT facility: The class room is provided with One Laptop, One BenQ LCD Projector, Sound Box & Amplifier, Pen Tablet and both wired and Cordless Microphone.		
(d) Laboratories: Two fully Air-Conditioned laboratories equipped with Modern Instruments. The Laboratory in the main building is also provided with Solar Power. Instruments include: 8085 Microprocessor Kit (15), Cathode Ray Oscilloscope (7), Function Generator (12), True RMS AC Milli Voltmeter (19), Digital Milli/Micro Ammeter (19), Op Amp Power Supply (8), Digital DC Power Supply (8).		
31.	Number of students receiving financial assistance from college, university, government or other agencies	As it is a self finance course, financial assistance is not available from college. Instalment payment allowed

32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	<p>Workshops held on 5.02.2011 & 05.03.2012 Resource Person: Prof. Bikash Chandra Pal (Retd. Professor, Asutosh College).</p> <p>Seminar on Popular science held on 21.09.2015 (Topic : “ Journey To Our Nearest Star”, Speaker : Prof. Tridibendra Narayan Chattopadhyay)</p> <p>Workshop held on 02.12.2015. “Design Yourself” arranged by students and staffs of Dept. of Electronics.</p> <p>Events in December :</p> <p>Project- Design Yourself 2.12.15</p>																		
		<table><tr><th>Group Name</th><th>Project Name</th></tr><tr><td>Transformer</td><td>Water Level Indicator</td></tr><tr><td>Resonator</td><td>Automatic Street Light</td></tr><tr><td>Omega</td><td>Soil Moisture Detector</td></tr><tr><td>Tesla</td><td>Motion Detector Circuit</td></tr><tr><td>Phasors</td><td>Heat Sensor</td></tr><tr><td>Alpha Quad</td><td>Obstacle Avoiding Robot</td></tr><tr><th>Individual</th><th>Project Name</th></tr><tr><td>Amarnath Banik</td><td>Regulated Power Supply</td></tr></table>	Group Name	Project Name	Transformer	Water Level Indicator	Resonator	Automatic Street Light	Omega	Soil Moisture Detector	Tesla	Motion Detector Circuit	Phasors	Heat Sensor	Alpha Quad	Obstacle Avoiding Robot	Individual	Project Name	Amarnath Banik	Regulated Power Supply
Group Name	Project Name																			
Transformer	Water Level Indicator																			
Resonator	Automatic Street Light																			
Omega	Soil Moisture Detector																			
Tesla	Motion Detector Circuit																			
Phasors	Heat Sensor																			
Alpha Quad	Obstacle Avoiding Robot																			
Individual	Project Name																			
Amarnath Banik	Regulated Power Supply																			
33	Teaching methods adopted to improve student learning:																			
	<p>Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are:</p> <p>Use of Computer aided digital presentation method</p> <p>Special classes are regularly taken to address the problems of the weaker students.</p> <p>One-to-one contact method with students for problem solving and answer correction.</p>																			

34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	Dr. Sourav Kumar Bhowmick	Examiner Electronics (Hons) CU Seminar Attended: <ul style="list-style-type: none"> • “<i>International Symposium on Complex Dynamical Systems and Applications</i>”, March 10-12, 2014, ISI, Kolkata. • “<i>Two days Workshop at North East India on Non-linear Dynamics and application</i>”, March 14-15, 2014, Tezpur University, India. • “<i>Hands on Research school on Complex Systems</i>”, 30 June-11 July 2014, International Centre for theoretical Physics, Trieste, Italy. • 4TH International Conference on Complex Dynamical System and Applications” at National Institute of Technology, durgapore 15to 17th February 2016.
	Arnab Samadder	Examiner Electronics (Hons) CU
	Tania Das	Examiner Electronics (Hons) CU
	Madhurima Chatterjee	Examiner Electronics (Hons) CU
	STUDENTS <ul style="list-style-type: none"> • SHARUKH RAHMAN (NCC); Regn No. WBSD/14/166277; Rank: Cadet. (Student of 2nd Year Electronics.(Hons)) • KAJARI BHATTACHARYA (NCC); (Student of 3rd Year Electronics (Hons) 	
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> ○ Fully Qualified Staff. ○ Well equipped laboratory setup. ○ Well equipped Seminar Library with books of renowned authors. ○ Availability of Electronic aid in the classrooms. ○ Satisfactory computational facilities. ○ Results of the students are satisfactory.
	Weaknesses:	<ul style="list-style-type: none"> ○ Insufficient space which particularly hinders the extension of classroom, laboratory research facilities. ○
	Opportunities:	<ul style="list-style-type: none"> ○ Due to the factors mentioned in “Strengths”, a good

		<p>number of students with sound academic background show their interest every year to study Electronics in this College.</p> <ul style="list-style-type: none"> ○ With the generous participation of the faculties they secure good marks in the University Exam and the pass out students are well placed in different sectors.
	Challenges:	<ul style="list-style-type: none"> ○ In general, students are taught electronics in different courses other than B.Sc (Hons). So the scope of placement in service is tough. The challenge is to train our students in such a way that they can compete with sound skill and knowledge. In this regard we think that apart from the university syllabus, we attempt to upgrade them through participation in departmental seminars, workshops, debates, science fairs, etc.
	Future plans:	<ul style="list-style-type: none"> ○ We are very much interested to introduce PG course in this subject but unable at present due to infrastructural deficiency.

ANNEXURE I: DEPARTMENT OF ELECTRONICS

LIST OF PUBLICATION BY FACULTY:

DR. SOURAV KUMAR BHOWMICK

- 1) Sourav K. Bhowmick, Dibakar Ghosh, "Targeting engineering synchronization in chaotic systems", International Journal of Modern Physics C, 27, 1650006 (2016) (Impact factor: 1.125, ISSN: 0129-1831, SJR: 0.38)
- 2) Bidesh K. Bera, Sourav K. Bhowmick, Dibakar Ghosh, "Mixed-lag synchronization in coupled counter-rotating oscillators", Int. J. Dynam. Control, (2015) (Impact factor: X.XX, ISSN: 2195-2698)
- 3) Mauparna Nandan, Sourav K. Bhowmick, Pinaki Pal, "Linear generalized synchronization using bidirectional coupling", The International Journal of Nonlinear Sciences and Numerical Simulation, 6, 67 (2015) (Impact factor: 0.453, ISSN: 2191-0294, SJR: 0.3)
- 4) Sourav K Bhowmick, Bidesh K Bera, Dibakar Ghosh, "Generalized counter-rotating oscillators: Mixed synchronization", Communications in Nonlinear Science and Numerical Simulation, 22, 692 (2015). (Impact factor: 2.834, ISSN: 1007-5704, SNIP: 1.776, SJR: 1.575)
- 5) Sourav K. Bhowmick, Pousali Roy, Syamal K. Dana, Dibakar Ghosh, K. Murali, Sudeshna Sinha, "Targeting temporal patterns in time delay chaotic systems", Int. J. Bifurcation and Chaos, 24, 1450014 (2014). (Impact Factor: 1.02, ISSN: 1793-6551, SJR: 0.79)
- 6) Sourav K. Bhowmick, "How to generate Chaotic Pulse?", International Journal of Nonlinear Science 17, 67 (2014). (ISSN: 1749-3897)
- 7) C.R. Hens, P.Pal, S. K. Bhowmick, P.K. Roy, A. Sen, S.K.Dana, "Diverse routes of transition from amplitude to oscillation death in coupled oscillators under additional repulsive link", Phys. Rev. E, 89, 032901 (2014). (Impact Factor: 2.307, ISSN: 1550-2376, SJR: 1.0)
- 8) Sourav K. Bhowmick, Dibakar Ghosh, Prodyot K. Roy, Jurgen Kurths, Syamal K. Dana, "How to induce multiple delays in coupled chaotic oscillators?", CHAOS, 23, 043115 (2013). (Impact factor: 2.27, ISSN: 1089-7682, SJR: 0.77)
- 9) Sourav K. Bhowmick, R.E. Amritkar, and Syamal K. Dana, "Experimental evidence of synchronization of time-varying dynamical network", CHAOS, 22, 023105 (2012). (Impact factor: 2.27, ISSN: 1089-7682, SJR: 0.77)
- 10) Sourav K. Bhowmick, Pinaki Pal, Prodyot K. Roy, and Syamal K. Dana, "Lag synchronization and scaling of chaotic attractor in couples system", CHAOS, 22, 023151 (2012). (Impact factor: 2.27, ISSN: 1089-7682, 0.77)
- 11) Sourav K. Bhowmick, Chittaranjan Hens, Dibakar Ghosh, Syamal K. Dana, "Mixed synchronization of

- chaotic oscillators using scalar coupling”, Physics Letters A, 376, 2490 (2012). (Impact factor: 1.677, ISSN: 0375-9601, SNIP: 1.155, SJR: 0.755)
- 12) Sourav K. Bhowmick and Dibakar Ghosh. “Targeting engineering synchronization in chaotic systems”, International Journal of Modern Physics. C, 27, 165006 (2015) (Impact factor: 1.260 ISSN:0129-1831, 0.38)
- 13) Bidesh K. Bera, C.R. Hens, Sourav K. Bhowmick, Pinaki Pal, Dibakar Ghosh. “Transition from homogenous to inhomogeneous steady states in oscillators under cyclic coupling.” Physics Letter A, 380. 130 (2016) (Impact factor 1.68. ISSN: 0375-9601, SNIP: 1.155, SJR: 0.755)

EVALUATIVE REPORT OF THE DEPARTMENT OF ENVIRONMENTAL STUDIES

1.	Name of the department:	ENVIRONMENTAL STUDIES				
2.	Year of Establishment:	2012				
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG	Compulsory subject			
4.	Names of Interdisciplinary courses and the departments/ units involved	All departments (both humanities and science streams are involved)				
5.	Annual/ semester/ choice based credit system (programme wise)	As per rules of Calcutta university				
6.	Participation of the department in the courses offered by other departments	NIL				
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL				
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL				
9.	Number of Teaching posts sanctioned and filled: Run by the teachers of different departments of Asutosh College under the leadership of one co-ordinator					
10	Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. / Ph.D. / M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Dr. C.N. Mukherjee		M.Sc., Ph.D.	Lab Instructor (selection grade)	Env. Sc	Over 10 years	
Dr. S.K. Kundu		M.Sc., Ph.D. PGD Env.M	CWTT	Env. Sc	Over 10 years	
Dr. A. Chand		M.A., Ph.D.	CWTT	Eng. Language	Over 10 years	
11.	List of senior visiting faculty		Dr. S. Dasgupta			

		Dr. A. Ghosh Dr. P. Mitra Smt. A. Sil P.K. Baidya
12	Percentage of lectures delivered by temporary faculty	0/0
13.	Student -Teacher Ratio (programme wise)	Taught as compulsory subject: All 3 rd year students attend classes
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	NIL
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 3 PG:
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	N.A.
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	N.A.
18.	Research Centre/ facility recognized by the University	N.A.
19.	Publications: <ul style="list-style-type: none"> a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index 	

FACULTY		a	b	c	d	e	f	g	h	i	j	k	l
N.A													
20.	Areas of consultancy and income generated:				N.A.								
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.												
	a) National Committees				N.A.								
	b) International Committees				N.A.								
	c) Editorial Board				N.A.								
22.	Student projects												
a)	Percentage of students who have done in-house projects including inter departmental/ programme				NIL								
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies				NIL								
23.	Awards/ Recognitions received by faculty and students:				NIL								
24.	List of eminent academicians and scientists/ visitors to the department:				NIL								
25.	Seminars/ Conferences/ Workshops organized & the source of funding				NIL								
26.	Student profile programme/ course wise:				N.A.								
	Name of the Programme: B.Sc. and B.A. with ENV. STUDIES (Compulsory) (UG)												
27.	Diversity of Students				N.A.								
Name of the Course: B.Sc. and B.A. with ENV. STUDIES (Honours) (UG)													
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? N.A.												
29.	Student progression:				N.A.								

30.	Details of Infrastructural facilities :	N.A.
	(a) Library: The department has its departmental seminar libraries in addition to the central library facility. Departmental library is well maintained. It contains 363 books.	
	(b) Internet facilities for Staff & Students : Details of the computer facility are given below: Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.	
	(c) Class rooms with ICT facility:	NIL
	(d) Laboratories:	NIL
31.	Number of students receiving financial assistance from college, university, government or other agencies	N.A.
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	N.A.
33	Teaching methods adopted to improve student learning:	Class room and Field training
	Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> ○ Use of Computer aided digital presentation method ○ Special classes are regularly taken to address the problems of the weaker students. ○ One-to-one contact method with students for problem solving and answer correction. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: MEMBER/ EXAMINER/HEAD EXAMINER/GB/ FC ETC COLLEGE COMMITTEE MEMBER	
35	SWOC analysis of the department and Future plans Taught as compulsory subject	

EVALUATIVE REPORT

DEPARTMENT OF ENVIROMENTAL SCIENCE

1.	Name of the department:	Environmental Science	
2.	Year of Establishment:	PG	2002
		UG	2011
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (Honours) PG (Regular) PG (Distant Mode)	
4.	Names of Interdisciplinary courses and the departments/ units involved	ADD On Course (Hospital Waste Management and Industrial Chemistry) M.Sc. (Applied Geology)	
5.	Annual/ semester/ choice based credit system (programme wise)	UG Annual System as per University or Calcutta Norms PG Semester System	
6.	Participation of the department in the courses offered by other departments		
	COURSE	FACULTY	PARTICIPATION AS
	ADD ON(Hospital Waste Management)	Ms. Chandrani Dutta Mr. Indrajit Ghosh Dr. Subhayan Dutta Dr. Sruti Karmakar Ms. Sayanti Kar	Teaching Teaching Teaching/ Examination Teaching Teaching
	ADD ON(Industrial Chemistry)	Ms. Chandrani Dutta Mr. Indrajit Ghosh Dr. Subhayan Dutta	Teaching Teaching Teaching
	M.Sc in Applied Geology	Dr. Subhayan Dutta Ms. Sayanti Kar	Teaching/ Examination

ASUTOSH COLLEGE SSR 2015

7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil				
8.	Details of courses/ programmes discontinued (if any) with reasons	Nil				
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled		
		Professor				
		Associate Professor	1	1		
		Assistant Professor				
		CWTT	5	5		
		PTT				
		Guest Teachers	6	6		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD stdnts
Prof. Ena Chatterjee		M.Stat	Associate Prof.	Statistics	34yrs	-
Ms. Chandrani Dutta		M.Sc	CWTT	Env. Sc	9yrs	-
Mr. Indrajit Ghosh		M.Sc	CWTT	Env. Sc	9yrs	-
Dr. Subhayan Dutta		Ph.D.	CWTT	Env. Sc	9yrs	-
Dr. Sruti Karmakar		Ph.D.	CWTT	Env. Sc	3yrs	-
Ms. Sayanti Kar		M.Sc	CWTT	Env. Sc	5yrs	-
Mr. Arijit Chatterjee		M.Sc	Guest Teacher	Env. Sc	5yrs	-
Dr. Pamela Banerjee		Ph.D	Guest Lecturer	Env. Sc	4yrs	-
Mr. Kuntal Kanti Goswami		M.Sc	Guest Lecturer	Microbiology	1yr	-

Dr. Pooja Chatterjee	Ph.D	Guest Lecturer	Psychology	1 yr.	-
Dr. Rwitabrata Mallick	Ph.D	Guest Lecturer	Env. Sc.	5yrs.	-
Dr. Waliza Ansar	Ph. D	Guest Lecturer	Zoology	6yrs	-
Dr. Bhabani sankar Joardar	Ph.D	G.T	Zoology		
Dr. Sajal Bhattaacharya	Ph.D	G.T	Zoology		
Dr. Jayanta Deb Bisaws	Ph. D	G.T	Geography		
Dr. Dipak Sen	Ph.D	G.T	Chemistry		
Sri Angshutosh Khan	Ph.D	G.T	Physics		
Dr. Avik Kundu	Ph.D	G.T	Geology		
Mr. Anirudhha Chowdhury	M.Sc	Guest Lecturer	Statistics	1yr	-
Ms. Bidisha Sen Maitra	M.Sc	Guest Lecturer	Zoology	2yrs	-
Smt. Madhurima Chakraborty	M.Sc	Guest Lecturer	Biochemistry	1 month	-
11.	List of senior visiting faculty		<p>i) Sri Tapan Saha Senior Scientist Institute of Environmental Studies and Wetland Management</p> <p>ii) Dr. Tapas Kumar Gupta Chief Engineer WBPCB</p> <p>iii) Dr. Anita Chattopadhyay Gupta Principal Deshbandhu College for Girls</p> <p>iv) Dr. Biswajit thakur Assistant Professor Civil Engineering Dept.; Meghnad Saha institute of Technology</p> <p>v) Dr. Debiprasad Banerjee Senior Law Officer Dept. Of Env.; Govt. Of W.B</p> <p>vi) Dr. Ardhendu B. Sarma Senior Scientist Central Drug Lab.</p>		

		vii) Sri C. Chatterjee Director (Retd.) Safety Engineering Dept. Govt. of. W.B		
		Dr. BhabaniSankar Joarder (Reader (Retd.) Dept. of Zoology) Asutosh College Dr. Sajal Bhattacharya (Associate Prof, Dept of Zoology)Asutosh College Dr. Jayanta Deb Biswas (Reader (Retd.) Dept of Geology) Asutosh College Dr. Dipak Sen (Reader (Retd.) Dept of Chemistry) Asutosh College Dr. Debdas Roy (Associate Prof. (Retd.) Dept of Geology) Asutosh College Sri Angsutosh Khan (Associate Prof. (Retd.) Dept of Physics) Asutosh College		
		Dr. Abhik Kundu,	(Assistant Prof, Dept of Geology) Asutosh College	
		Dr. Sudhansu Kumar Koley	(Associate Prof. (Retd.) Dept of Geography) Asutosh College	
		Smt. Bidisha Sen Maitra	(Lecturer (CWTT) Dept of Zoology) Asutosh College	
12	Percentage of lectures delivered by temporary faculty	UG: Theory- 22% Practical- 40% PG: Theory-68% Practical- 20%		
13.	Student -Teacher Ratio	Session	UG	PG
		2011-12	7:1	

	(programme wise)	2012-13	10:1	
		2013-14	8:1	
		2014-15	9:1	
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED	FILLED
		GLI		
		Laboratory Assistant	1	1
		Laboratory Attendant	3	3
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	Ph.D.- 4 M.Sc.- 8		
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	National – 2 Project Title: Isolation and characterisation of slurry microbes in relation to pollutants in city drains of different zones in Kolkata and its adjoining areas and study of their effect on animal and plant Faculty Name : Sayanti Kar Sanctioned amount: 5,45,000/- Project Title: An extensive analysis of pesticides and herbicides effect on common weeds available in the agricultural fields of north 24 PGS west Bengal in support of antioxidative and molecular biological parameters. Faculty Name: Indrajit Ghosh Sanctioned amount: 4,50,000/-		
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC (2) Scheme: UGC –Minor Project		
18.	Research Centre/ facility recognized by the University	Nil		

19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	L
Sruti Karmakar		13	2	11										
Sayanti Kar		1		1										
Subhayan Dutta		4	2	2										
PUBLICATION LIST : IN ANNEXURE I														
20.	Areas of consultancy and income generated:					Nil								
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a)National Committees					Nil								
	b) International Committees					Nil								
	c) Editorial Board					Nil								
22.	Student projects													
a)	Percentage of students who have done in-house projects including inter departmental/ programme					2011-12	2012-13	2013-14	2014-15					
						5%	30%	23%	18%					
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies					95%	70%	77%	82%					

23.	Awards/ Recognitions received by faculty and students:		
	AWARD BY STUDENTS		
	NAME	AWARD	SESSION
	Irina Das Sarkar	University Rank Holder: 1 st	2014-15
	Meghna Bandyopadhyay	Amarendranath Basu Memorial Prize	2012-13
		Sudhir Kumar Bramha Memorial prize	2013-14
	Avrodita Chakladar	Highest Marks in B.Sc (2 nd yr.)	2013-14
	Indrani Bhowmik	Sudhir Kumar Bramha Memorial prize	2012-13
	Ayana Chanda	Amarendranath Basu Memorial Prize	2013-14
	Ankita Mitra	Mira Chatterjee Memorial Prize University Rank holder : 1st	2013-14
	Poulami Jha	Amarendranath Basu Memorial Prize	2010-11
	Shreya Das	Amarendranath Basu Memorial Prize	2011-12
24.	List of eminent academicians and scientists/ visitors to the department:		
	<ol style="list-style-type: none"> 1. Prof. Naresh Dutta (Rtd. Prof. Dept. of Zoology, CU) 2. Prof. Alok Mukherjee (Chairman, Flakt India) 3. Dr. Sujoy Basu (Ex Director School of Energy Studies) 4. Dr. Kalyan Rudra (Chairman, WBPCB) 5. Prof. Krishanu Chakraborty Dept. of Biochemistry, CU) 6. Dr. Tushar Kanti Ghosh (Dept. of Physiology) 7. Dr. Asish Ghosh (Ex Director, ZSI) 8. Dr. Anjali Pal (Dept. of Civil Engineering, IIT, Kharagpur) 9. Dr. Aniruddha Mukhopadhyay (Head Dept. of Environmental Science, CU) 10. Dr. P.K. Sikdar (Dept. of environment management, IISWBM) 11. Pritha Ghosh Bhattacharya (Dept. of Environmental Science, CU) 12. Dr. Punarrbasu Chowdhury (Dept. of Environmental Science, CU) 13. Dr. Sandipan Ganguly (NICED) 14. Dr Arunendu Banerjee (Environmental Architect) 15. Mr. Jayanta Basu(Reporter, The Telegraph) 16. Dr. Dibyendu Sarkar (Monclair State University) 		

25.	Seminars/ Conferences/ Workshops organized & the source of funding						
	a) National:			State Level UGC Sponsored Seminar “ Study of Environmental Science its aspect and future prospects” on 23 rd Novenber,2011 Centenary Lecture Series, 2015 10/10/15 Speaker : Prof. Aniruddha Mukhopadhyay Head, Dept of Env. Sc., CU. Topic : Environment 24/11/15 Speaker: Prof. Kalyan Rudra Chairman, WBPCB Topic: Rediscovering the Ganga: The issue of pollution management.			
	b) International:			NIL			
26.	Student profile programme/ course wise:						
	Name of the Programme: BSc with ENVIRONMENTAL SCIENCE (Honours) (UG)						
	Year	Application Rcvd	Selected	Enrolled		Pass Percentage	No. 1 st Class
				M	F		
	2015-16	512	38	16	22	100	13
	2014-15	397	30	13	17	100	20
	2013-14	283	31	18	13	N.A.	N.A.
	2012-13	269	40	18	22	N.A.	N.A.
	NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year						
	Name of the Programme: M.Sc. with ENVIRONMENTAL SCIENCE (PG)						
	Year	Applicatio n Rcvd	Selected	Enrolled		Pass Percentage	No. 1 st Class
				M	F		
	2015-16	189	17	4	13	100%	17
	2014-15	211	20	8	12	100%	20
	2013-14	234	26	8	18	100%	26
	2012-13	224	28	8	20	100%	28
	NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year						

27.	Diversity of Students			
	Name of the Course: : BSc with Environmental Science (Honours) (UG)			
	Year	% of students from the same state	% of students from other States	% of students from abroad
	2015-16	99	1	-
	2014-15	100	-	-
	2013-14	100	-	-
	2012-13	100	-	-
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. In last four years as per data available approximately 30 students have qualified in NET/ GATE.			
29.	Student progression:			
	Student Progression	Against % enrolled		
	UG to PG	100%		
	PG to M.Phil	1%		
	PG to Ph.D	10%		
	Employed	10%		
	Campus Selection	Data Not Available		
	Other than campus recruitment	75%		
	Entrepreneurship/Self Employment	25%		
30.	Details of Infrastructural facilities:			
	(a)Library: Central library:180 Reading Library: 5 Seminar Library: 451+103 (Subscription for ‘Current Science’ Journal)			
	(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:			
	CONFIGURATION			NUMBER
	Desktop 1. PROCESSOR –INTEL(R)4RAM-632MB 2. PROCESSOR – AMD Athlon (tm) 11 X 2260 RAM – 2 GB 3. PROCESSOR – INTEL (R) CORE (TM) i3-4150CUPRAM – 4 GB			3
	Laptop 1. INTEL (R) PENTIUM (R) CPU RAM- 2.00 GB 2. INTEL (R) CORE (TM)i3-3110M CPURAM – 2:00 GB 3. PROCESSOR – INTEL (R) PENTIUM (R) DUAL CPU T2330 RAM – 1:00 GB			3

	(c) Class rooms with ICT facility: 3	
	(d) Laboratories: 3 D.O Meter, GPS, Heater, Hygrometer, Kjeldal Distillation Apparatus, Magnetic Stirrer, Pedometer, Remi Centrifuge, Sound Level Meter, Vortex, Water and Soil Testing Kit, Trans illuminator, Incubator, Thermal Cyler, Rotary Evaporator, Shaker, Microscope with attached Camera, Conduct meter, C.O.D, Lux meter, Digital P ^H meter, Sartorius Make balance, Microprocessor based Conductivity meter, Burette stand with clamp, Digital thermometer, Hygrometer Digital.	
31.	Number of students receiving financial assistance from college, university, government or other agencies	Few students receive financial assistance
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	State Level UGC Sponsored Seminar on study of Environmental Science : its aspects and future prospects on 23 rd November, 2011 World Environment Day celebration. 5 th June of every Year.
33	Teaching methods adopted to improve student learning:	
	Using of LCD and over head projector (OHP) in class room, field visit, excursion, seminar presentation, debate, factory visit, wall magazine and project work. Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> ○ Use of Computer aided digital presentation method ○ Special classes are regularly taken to address the problems of the weaker students. One-to-one contact method with students for problem solving and answer correction	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	NAME	Social Responsibility (ISR) and Extension activities
	Subhayan Dutta	Internal and External examiner and paper setter for ENVS UG (CU) and PG (Asutosh College) Paper Presented: <ol style="list-style-type: none"> 1. Paper entitled "A Visit to Forests: Resources and Services" presented at UGC Sponsored State Level Seminar on Current Perspectives in Natural Resource Management organized by

		<p>Lalbaba College, 2013.</p> <ol style="list-style-type: none"> 2. Paper entitled “Synecological Dynamics of Plankton in a Freshwater Lake Ecosystem” at National Seminar on Perspectives of Environmental and Marine Research: Retrospect and Prospect organised by Department of Environmental Science and Marine Science, University of Calcutta, 2015. <p>Seminar and Workshop attended:</p> <ol style="list-style-type: none"> 1. Symposium on Population Genetics and Chromation Dynamics organized by Cytogenetics Section, Department of Zoology, BHU. January, 2012. 2. Bhuvan (ISRO’s Geoportal) organised by Department of Environmental Science, University of Calcutta In collaboration with NRSC (National Remote Sensing Centre; Indian Space Research Organization), February, 2012. 3. National Seminar on Advances in Statistics: Techniques and Applications organized by Dept. of Statistics, Asutosh College, December, 2013. 4. Youth Seminar organized by TERI, December, 2014. 5. National Seminar on Environmental Management and Sustainable Development organized by Department of Environmental Science, Vivekananda College, Thakurpukur, March, 2015.
	Indrajit Ghosh	<p>Internal and External examiner and paper setter for ENVS UG (CU) and PG (Asutosh College)</p> <p>Seminar and Workshop attended:</p> <ol style="list-style-type: none"> 1. Workshop organized by Dept. of Geology, Jadavpur University on Carbon Sequestration, 2011 2. UGC sponsored seminar on “Present Scenario and Future Prospects of Microbiology and Plant Biotechnology” organized by Dept. of Botany and Microbiology, Asutosh College, Kolkata in collaboration with Bose Institute, Kolkata on March 10, 2011 3. Workshop on Carbon Sequestration organized by Dept. of Geology, Jadavpur University, 2012. 4. Seminar Organized by West Bengal Pollution Control Board,

		<p>2012</p> <ol style="list-style-type: none"> 5. UGC sponsored National Conference on “Health and Environment: Exploring the Linkage for Sustainable Development” organized by Dept. of Economics, Muralidhar Girls’ College in collaboration with Vijoygarh Jyotish Roy College. 6. Seminar Organized by Indian Chamber of Commerce, 2013. 7. Seminar on “Impact of Climate Change on Biodiversity” organized by Asutosh College, Kolkata & P.G Study Centre: Environmental Science , Vidyasagar University on December 21, 2013. 8. UGC Sponsored State Level Seminar on “Sundarbans – The Endangered Ecosystem” organized by Departments of Botany and Geography, Murulidhar Girls’ College in collaboration with Department of Botany, Sivanath Sastri College, Kolkata on February 6, 2016.
Sayanti Kar		<p>Internal and External examiner and paper setter for ENVS UG (CU) and PG (Asutosh College)</p> <p>Seminar and Workshop attended:</p> <ol style="list-style-type: none"> 1. National Seminar on “Global Warming: Role of Green House Gases and Their Management” on March, 25, 2009. 2. Presented Paper on “Biosorption by a Lead-Resistant Bacterium isolated from soil”, A UGC sponsored seminar on Advances in Environmental Science and Technology organized by Department of Environmental Science and Department of Chemistry, Vivekananda College, Thakurpukur, Kolkata on February 5-6, 2011. 3. Workshop organized by Dept. of Geology, Jadavpur University on Carbon Sequestration, 2011. 4. Workshop on Carbon Sequestration organized by Dept. of Geology, Jadavpur University, 2012. 5. UGC sponsored seminar on “Human Right Education” organized by Women’s Christian College on February 25, 2012. 6. Organized by West Bengal Pollution Control Board, 2012.

		<div><div><div>4. Seminar Organized by West Bengal Pollution Control Board, 2012</div><div>5. UGC sponsored National Conference on “Health and Environment: Exploring the Linkage for Sustainable Development” organized by Dept. of Economics, Muralidhar Girls’ College in collaboration with Vijoygarh Jyotish Roy College.</div><div>6. Seminar Organized by Indian Chamber of Commerce, 2013.</div><div>7. Seminar on “Impact of Climate Change on Biodiversity” organized by Asutosh College, Kolkata & P.G Study Centre: Environmental Science, Vidyasagar University on December 21, 2013.</div><div>8. UGC Sponsored State Level Seminar on “Sundarbans – The Endangered Ecosystem” organized by Departments of Botany and Geography, Murulidhar Girls’ College in collaboration with Department of Botany, Sivanath Sastri College, Kolkata on February 6, 2016.</div></div></div>
Sruti Karmakar	<div>Internal and External examiner and paper setter for ENVS UG (CU) and PG (Asutosh College)</div> <div>Seminar and Workshop attended:</div> <div><div><div>1. UGC Sponsored National Level Seminar on "Climate Change: A Dagger in Disguise Affecting Biodiversity" organized by Department of Zoology, TDB College, Raniganj in collaboration with Department of Environmental Science, University of Burdwan (held at T.D.B. College, Raniganj, Burdwan, on Jan, 27-28, 2011).</div><div>2. International Symposium on "System Intensification Towards Food & Environmental Security" organised by Crop and Weed Science Society (CWSS), Bidhan Chandra Krishi Viswavidyalaya, Mohanpur,W.B, India (held at Farmers' Training Centre, Bidhan Chandra Krishi Viswavidyalaya, Kalyani, on Feb24-27, 2011).</div><div>3. 18th State Science & Technology Congress organised by Ramakrishna Mission Residential College, Narendrapur and West Bengal Science and Technology Samsad, Govt. of WB with the help of Paschimbanga Vighan Mancha held at the Ramakrishna Mission Ashrama, Vivekananda</div></div></div>	

		<p>Centenary Hall, Narendrapur, Kolkata 700103 on 28th Feb - 1st March, 2011.</p> <p>4. National Seminar on "Agrometeorological research and services to combat climate change challenges" organised by Association of Agrometeorologists, India, Bidhan Chandra Krishi Viswavidyalaya, West Bengal (held at Farmer's Training Centre, Bidhan Chandra Krishi Viswavidyalaya, Kalyani, on Dec. 9-10, 2011).</p> <p>5. UGC Sponsored National Seminar on "Climate Change and its impact on common people" organised by Department of Zoology, Achhruram Memorial College, Jhalda, Purulia-723202, WB in collaboration with Netaji Subhas Ashram Mahavidyalaya, Susia, Purulia-723212, WB, held at Achhruram Memorial College, Jhalda, Purulia-723202, Burdwan, on Jan, 24-25, 2012.</p> <p>6. UGC Sponsored National Seminar on "Resources: Problems, Planning and Development in Backward Regions" organised by Department of Economics, Achhruram Memorial College, Jhalda, Purulia-723202, WB in collaboration with Netaji Subhas Ashram Mahavidyalaya, Susia, Purulia-723212, WB, held at Achhruram Memorial College, Jhalda, Purulia-723202, Burdwan, on Feb, 22-23, 2012.</p> <p>7. Golden Jubilee Seminar on "Advances in Agricultural Research towards Food security and Environmental Sustenance" organised by Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan-731236, West Bengal, India in collaboration with International Plant Nutrition Institute held in Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan-731236, during 1-3 September, 2012.</p> <p>8. UGC Sponsored State-Level Seminar Environmental Pollution : Cause, Impacts & Control Organized by The Bhawanipur Education Society College, Kolkata In collaboration with Indian Association for Productivity, Quality & Reliability, Kolkata</p>
35	SWOC analysis of the department and Future plans	
	Strengths:	

		<ul style="list-style-type: none"> i. Good infrastructure ii. Student friendly environment iii. Exposure of the students to the community outreach programme iv. Good job opportunity
	<i>Weaknesses:</i>	<ul style="list-style-type: none"> i. Space crisis (for carrying out research work) ii. Enough funding (For research work)
	<i>Opportunities:</i>	<ul style="list-style-type: none"> i. Job placement after completion of the course (Have placement cell)
	<i>Challenges:</i>	<ul style="list-style-type: none"> i. Making public awareness about the environment ii. Making the subject more interesting and popular to the students
	<i>Future plans:</i>	<ul style="list-style-type: none"> i. Solving the space problem ii. Having enough fund from UGC and DST for the research work and extension of the department

ANNEXURE I: DEPARTMENT OF ENVIROMENTAL SCIENCE

LIST OF PUBILICATION BY FACULTY:

SMT. SHRURTI KARMAKAR

1. **Karmakar, S.**, Gangopadhyay, A., Brahmachari, K. and Bandyopadhyay, P. K. (2009). Soil Health Management by applying Vermicompost prepared from Organic Wastes, Journal of Interacademia, 13(4): 412-417.
2. **Karmakar, S.**, Roy, Choudhury, S., Kundu, R. and Brahmachari, K. (2009). Nutrient Management in Rice through Organic and Inorganic Sources under Coastal Saline Soil of West Bengal. (In) Proceedings of the state level seminar on "Role of Science in Rural Development", Raja Rammohan Roy Mahavidyalala, Hooghly on 4th August 2009, pp.15-20.
3. **Karmakar, S.**, Gangopadhyay, A., Brahmachari, K., Bandyopadhyay, P. K. and Roy Choudhury, S. (2010). Utilization of Different Organic Wastes in Soil Health Management through Vermicomposting. Journal of Environment & Ecology, 28(3B):1945-1947.
4. **Karmakar, S.**, Bhattacharya, T. and Karmakar, S. (2010). The Status of Endemic Birds in Three Indian Hot spot: A review of Available Data. Journal of Science and Culture, 76 (11-12): 523-528.
5. Roy Choudhury, S., **Karmakar, S.** and Brahmachari, K. (2010). Nutrient Management through Organic and Inorganic Sources in sunflower under new alluvial soil, Journal of Interacademia, 14(3):316-320.
6. Roy Choudhury, S., Brahmachari, K. and Karmakar, S. (2010). Nutrient uptake by sunflower under new alluvial soil fertilized with Organic and Inorganic Sources of nutrients, Journal of Environment & Ecology, 28 (3B):1948-1951.
7. Kundu, R., Brahmachari, K. and **Karmakar, S.** (2010). Impact of different organic manures in enhancing the growth and productivity of rice (Oryzasativa) under coastal saline tract of West Bengal. Journal of Crop and Weed 6(2): 42-45.
8. Baidya, P., **Karmakar, S.**, Khan, D. K., Brahmachari, K., Das, L. and Saha, G. (2011). Studies on Suitability of Super Fast Rice Variety (Kalinga-III) Grown under Coastal Saline Climate of West Bengal. Journal of Agrometeorology, 14: 273-278.
9. Sarkar, A., **Karmakar, S.**, Pradhan, S., Mazumdar, D., Nanda, M. K. and Saha, G. (2011). Studies on Changing Livelihood Scenario of Sudarban Delta after Devastating Aila. Journal of Agrometeorology, 14: 256-263.
10. **Karmakar, S.**, Brahmachari, K., Gangopadhyay, A. and Roy Choudhury, S., (2012). Recycling of Different Available Organic Wastes through Vermicomposting. E- Journal of Chemistry, 9(1): 801-806.
11. Brahmachari, K., Roy Choudhury, S., **Karmakar, S.**, Dutta, S. and Ghosh, P. (2012). Sustainable Nutrient Management in rice (Oryzasativa) – Paira Chickling Pea (Lathyrussativus) – green gram (Vignaradiata) sequence to improve total productivity of land under Coastal Zone of West Bengal. Rajshahi University Journal of Environmental Science, 1(1): 44-54.
12. Choudhury, Md. R., Roy Choudhury, S., Brahmachari, K., Mallick, R. and **Karmakar, S.** (2012). Integration of weed management practices in groundnut-upland rice-potato cropping sequence, Journal of Interacademia, 16(3): 630-633.

13. Brahmachari, K., Saha G., Roychoudhury S., Dutta S., Ghosh P. and **Karmakar, S.** (2012). Nutrient Management in Rice-Lentil- Sesame Cropping System for sustainable productivity in coastal Agroclimatic zone of West Bengal. *Journal of The Indian Society of coastal Agricultural Research*, 30(1): 39-44.
14. Pramanik, B., **Karmakar, S.**, Brahmachari, K. and Deb, R. (2012). An integration of weed management practices in potato under new alluvial soil. *The Journal of Plant Protection Sciences*, 4(2): 16-20.
15. **Karmakar, S.**, Brahmachari, K. Kar, S. and Adhikary, M. M. (2013). Management of soil health and improvement in crop production through vermicompost application under changed climatic condition. (In) *Proceedings of the International Conference on Climate Change Impact and Adaptation (13CIA-2013)*, Center for Climate Change and Sustainability Research (3CSR), Dept. of Civil Engineering, Dhaka University of Engineering & Technology, Gazipur, Bangladesh on 14-16th Nov., 2013, pp.643-648.
16. Brahmachari, K., **Karmakar, S.** and Adhikary, M. (2013). Agricultural waste management through vermicomposting. (In) *Proceedings of the International Conference on Climate Change Impact and Adaptation (13CIA-2013)*, Center for Climate Change and Sustainability Research (3CSR), Dept. of Civil Engineering, Dhaka University of Engineering & Technology, Gazipur, Bangladesh on 14-16th Nov., 2013, pp.475-482.
17. **Karmakar, S.**, Brahmachari, K. and Gangopadhyay, A. (2013). Studies on agricultural waste management through preparation and utilization of organic manures for maintaining soil health. *African journal of Agricultural Research*, 8(48): 6351-6358.
18. **Karmakar, S.**, Kar, S., Pramanick, B. and Brahmachari, K. (2014). A comparative study on the impact of organic manures and inorganic fertilizers on crop production and soil health management. *Environica*, 1, 149-153.
19. **Karmakar, S.**, Adhikari, M., Gangopadhyay, A., and Brahmachari, K. (2015). Impact of Vermicomposting in Agricultural Waste Management vis-à-vis Soil Health Care. *J. Environ. Sci. & Natural Resources*, 8(1): 99-104.

SRI INDRAJIT GHOSH

1. Das, K. S., Ghosh, P., **Ghosh, I.** and Guha, K. S. (2008). Adsorption of rhodamine B on Rhizopusoryzae: Role of functional groups and cell wall components. *Colloids and Surfaces B: Biointerfaces*, 65: 30 -34.

Ms. SAYANTI KAR

1. **Kar, S.** and Mukherjee, P. (2012). Studies on interrelations among SO₂, NO₂ and PM₁₀ concentrations and their predictions in Ambient Air in Kolkata. *Open Journal of Air Pollution*, 1, 42-50.
2. **Kar, S.** and Bhowel, A. (2011). Biosorption by a Lead –Resistant Bacterium isolated from contaminated soil. (In) *Proceedings of the UGC sponsored national level seminar on “Advances in Environmental Science and Technology”*, Vivekanda College, Thakurpukur, Kolkata on 5th-6th Februry 2011, pp.15-20

Dr. SUBHAYAN DUTTA

1. **Dutta, S.**, Mukhopadhyay, A. and Saha, T. (2010). Limiting Effect of Some Toxic Heavy Metals on Zooplankton Diversity in Freshwater Lake Ecosystem at Sahebbundh, Purulia, West Bengal Asian Journal of Water, Environment and Pollution Volume 7, Number 2 pp83-87.
2. **Dutta, S.**, Mukhopadhyay, A. and Saha, T. (2009). Circadian Variation Of Physicochemical Factors vis-à-vis Zooplankton Abundance at Different Seasons in A Freshwater Lake, at SahebBundh, Purulia, West Bengal Proceedings of Lake 2008 - Symposium on Conservation and Management of River and Lake Ecosystems 22 – 24 December 2008, IISc, Bangalore pp 24-29.
3. Roy Goswami, M., **Dutta, S.** and Mukhopadhyay, A. (2011). A Revisit to Forest Ecosystem Services in Context of Climate Change Regime. Comsomath. Volume 14 Number 2. pp 38-53.
4. Talapatra, S. N., Bhattacharya, S., Guha, G., **Dutta, S.**, Chattopadhyay, D. J. and Mukhopadhyay, A. (2014) Dosage and Temporal dependent Arsenic – induced mortality in Ceriodaphniadubia: an effective biomarker for Arsenic Pollution. International Letters of Natural Science. 2. 30 – 34.
5. **Dutta, S.**, Mazumdar, T., Mukhopadhyay, A. and Saha, T. (2014). A Bioassay Approach to Determine the Bioindicator Potential of Ceriodaphniadubia for heavy metal pollution. International Journal of Environmental Biology. 4(1)41-46.
6. **Dutta, S.** (2013). A Visit to Forests: Resources and Services. Proceedings of UGC Sponsored National Seminar at Lalbaba College, Belur.

EVALUATIVE REPORT **DEPARTMENT OF GEOGRAPHY**

1.	Name of the department:	GEOGRAPHY	
2.	Year of Establishment:	UG – 1946	PG – 2009
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG	B.Sc. (Honours) B.Sc. (General)
		PG	M.Sc. in Geography
4.	Names of Interdisciplinary courses and the departments/ units involved	ENVS (PG) Travel and Tourism (ADD-ON)	
5.	Annual/ semester/ choice based credit system (programme wise)	UG	Annual System as per University or Calcutta Norms
		PG	Semester System as per University or Calcutta curriculum
6.	Participation of the department in the courses offered by other departments		
	COURSE	FACULTY	PARTICIPATION AS
	ENVS (PG)	Dr. Sayani Mukhopadhyay	Member BOS
		Dr. Anupriya Chatterjee	Teaching
		Smt. Sayani Das	Teaching
	Travel and Tourism (Add –on)	Dr. Sayani Mukhopadhyay	Teaching
		Sri Sourav Das	Teaching
		Sri Gourab Bera	Teaching
		Dr. Anupriya Chatterjee	Teaching
		Smt. Sayani Das	Teaching
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL	

ASUTOSH COLLEGE SSR 2015

8.	Details of courses/ programmes discontinued (if any) with reasons	NIL				
9.	Number of Teaching posts sanctioned and filled		Sanctioned		Filled	
		Professor				
		Associate Professor				
		Assistant Professor	5		2	
		GLI	1		1	
		CWTT	5		5	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD students
Dr. Sudhanshu Kumar Koley		Ph.D	Associate Professor (Retd. 2011)	Geomorphology	32	
Dr. Asok Kumar Roy		Ph.D	Associate Professor (Retd.,2015)	Cartography	33	
Dr. Sudip Dasgupta		Ph.D	GLI	Environmental Studies	20	
Dr. Sayani Mukhopadhyay		Ph.D	Assistant Professor	Regional Planning	15	
Sri Sourav Das		M.Sc	Assistant Professor	Cartography	9	
Dr. Sayanti Poddar		Ph.D	CWTT	Cartography	5	

Sri Gourab Bera	M.Sc	CWTT	Geomorphology	7	
Smt. Sayani Das	M.Sc	CWTT	Environmental Geography	5	
Smt. Debasmrity Chaudhury	M.Sc	CWTT	Geomorphology of Humid Tropics	2 Months	
Smt. Soumita Banerjee	M.Sc, B.Ed	CWTT	Environmental Geography	1 Month	
11.	List of senior visiting faculty	Visiting Faculty	Institute		
		Prof. H.R. Betal	Calcutta University		
		Prof. Guru Prasad Chattopadhyay	Visva- Bharati University		
		Prof. M.M. Jana	North Bengal University		
		Prof. Apurba Rabi Ghosh	Calcutta University		
		Prof. Maloy Mukhopadhyay	Visva- Bharati University		
		Prof. Pannalal Das	Calcutta University		
		Prof. Kalyan Rudra	West Bengal Pollution Control Board		
		Prof. Sudhir Malakar	Calcutta University		
		Prof. Harekrishna Dutta	Bidhan Nagar Govt. College		
		Dr. Sudhansu Kumar Koley	Retired Associate Professor, Asutosh College		
		Dr. Snehamanju Basu	Lady Brabourne College		
		Dr. Partha Basu	Bhairab Ganguly College		
		Dr. Subha Roy Choudhury	Rammohan College		
		Dr. Panchali Majumder	East Calcutta Girls' College		
		Dr. Sushmita	Shri Sikhsayatan College		

ASUTOSH COLLEGE SSR 2015

		Ghosh		
		Dr. Priyadarshini Sen	Mrinalini Dutta Mahavidyapith	
		Dr. Sisir Chatterjee	Raidighi College	
		Dr. Ballari Bagchi	Howrah Andul College	
		Dr. Biswajit Bera	Howrah Girls’ College	
		Dr. Rupam Kumar Dutta	Kultali College	
		Dr. Nivedita Roy Barman	Shri Sikhsayatan College	
		Dr. Ina Dhar Roy	Chandanager Govt. College	
		Dr. Satarupa Das Gupta	Chandanager Govt. College	
		Dr. Chandan Surabhi Das	Taki Govt. College	
		Kathakali Bandyopadhyay	Former SRF, University of Calcutta	
		Ujjwal Bhandari	Shyama Prasad College	
		Dr. Debdas Roy	Retired Associate Professor, Asutosh College	
12	Percentage of lectures delivered by temporary faculty	THEORITICAL:20 % PRACTICAL: 10% (only in PG)		
13.	Student -Teacher Ratio (programme wise)	Session	UG	PG
		2011-12	10.5:1	3:1
		2012-13	10:1	3:1
		2013-14	11:1	3.3:1
		2014-15	11:1	3.3:1
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED	FILLED
		GLI	1	1
		Laboratory Assistant	1	1
		Laboratory Attendant	4	4
15.	Qualifications of teaching faculty with D.Sc./Ph.D./MPhil/PG	Ph.D.: 2 PG: 6		

ASUTOSH COLLEGE SSR 2015

16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:				
	Name of Teacher	Designation	Title of Projects	Funding Agency	Current Status
	Dr. Asok Kumar Roy	Associate Professor (Retd. July, 2015)	Study of Socio-Economic conditions and Health Care Facilities of Ageing Population in West Bengal	UGC(Minor) Rs. 92, 000 /-	COMPLETED
	Dr. Sayani Mukhopadhyay	Assistant Professor	An Analysis of Gender Disparity in Literacy and its reflection on social stratification: A comparative study in Haora Sadar Subdivision, Haora district and Barasat Sadar Subdivision, North 24 Pgs, WB.	UGC (Minor) Rs. 3.8 lac	ONGOING
	Prof. M. M. Jana Dr.Asok Kumar Roy	Visiting Professor Associate Professor (retd. on 31 st July, 2015)	Strategies for conservation of Natural Resources in Kurseong subdivision in Darjeeling district of West Bengal.	ICSSR (Major) Rs. 6,20,275/-	COMPLETED
	Prof. M. M. Jana	Visiting Professor	Study of Major Socio-Economic Problems and Formulation of	ICSSR (Major) Rs. 11,28,000/-	ONGOING

			Strategies for Development in East Kolkata Wetlands Area (Ramsar Site)											
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC, ICSSR												
18.	Research Centre/ facility recognized by the University	One Research Centre is proposed to cater the needs of supervision of research activities for Ph.D. degree of students who pass the PG examination from the Dept of Geography, Asutosh College and also from other colleges by experienced teachers. There is dearth of supervisors at the Geography Dept. of C.U. and thus formation of this institution will be extremely beneficial for the students.												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Dr. Asok Kumar Roy		1	1	-	-	-	-	-	-	-	-	-	-	-
Dr. Sudip Dasgupta		-	-	-	-	-	-	-	-	-	-	-	-	-
Dr. Sayani Mukhopadhyay		12	10	1	-	-	4	-	1	-	-	-	3	-
Sri Sourav Das		10	2	6	1	-	-	-	1	-	-	-	3	-

Dr. Sayanti Poddar	5	4	1	-	-	-	-	-	-	-	-	3	-
Sri Gourab Bera	2	2	-	-	-	-	-	-	-	-	-	-	-
Smt. Sayani Das	6	2	3	-	-	1	-	-	-	-	-	2	-
Smt. Debasmrity Chaudhury	-	-	-	-	-	-	-	-	-	-	-	-	-
Smt. Soumita Banerjee	7	4	3	-	-	-	-	-	-	-	-	-	-

PUBLICATION LIST : IN ANNEXURE TO DEPARTMENT OF GEOGRAPHY

20.	Areas of consultancy and income generated:	NIL
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.	
	a) National Committees	Dr. Sayani Mukhopadhyay, Sri Saurav Das, Sri. Gourab Bera, Smt. Sayanti Poddar are the members of Geographical Society of India and ILEE.
	b) International Committees	NIL
	c) Editorial Board	NIL
22.	Student projects	
a)	Percentage of students who have done in-house projects including inter departmental/ programme	<p>Post Graduate Students are involved in Dissertation Projects for Partial fulfillment of the Curriculum. These projects provide bases for future publications, project and research works.</p> <p>Both Under Graduates and Post graduate students undertake compulsory Geographical field work and prepare field reports on the basis of Mauza/ Ward maps. These micro level analyses prepare the students for further research activities and are very helpful in revealing the unique characteristics and typical problems of the concerned areas.</p>
b)	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/	NONE

	other agencies	
23.	Awards/ Recognitions received by faculty and students: ANNEXURE II	
24.	List of eminent academicians and scientists/ visitors to the department:	
	<p>Prof. M.M. Jana, <i>Retired Professor, North Bengal University</i></p> <p>Prof. Apurba Rabi Ghosh, <i>Retired Professor, , University of Calcutta</i></p> <p>Prof. Maloy Mukhopadhyay, <i>Professor, Visva-Bharati University</i></p> <p>Prof. Pannalal Das, <i>Retired Professor, University of Calcutta</i></p> <p>Prof. Kalyan Rudra, <i>Chairperson, West Bengal Pollution Control, Board</i></p> <p>Prof. Sudhir Malakar, <i>Associate Professor, , University of Calcutta</i></p> <p>Prof. Sumona Bandopadhyay, <i>Associate Professor, , University of Calcutta</i></p> <p>Prof. Harekrishna Dutta, <i>Associate Professor, Bidhan Nagar Govt. College</i></p> <p>Dr. Sudhansu Kumar Koley, <i>Retired Associate Professor, Asutosh College</i></p> <p>Dr. Snehamanju Basu, <i>Associate Professor, Lady Brabourne College</i></p> <p>Dr. Partha Basu, <i>Retired, Associate Professor, Bhairab Ganguly College</i></p> <p>Dr. Subha Roy Choudhury, <i>Associate Professor, Rammohan College</i></p>	
25.	Seminars/ Conferences/ Workshops organized & the source of funding	
	a) National:	UGC sponsored National Conference on Recent Researches in Earth System Science , Asutosh College, Kolkata. (Conference held in 10-11 February 2012). The Conference was jointly organized by Departments of Geology and geography, Asutosh College, in collaboration with Geological, Mining and Mineralogical Society of India, and Geographical Society of India, Calcutta University, Kolkata.
	b) International:	NIL

26.	Student profile programme/ course wise:							
	Name of the Programme: BSc with GEOGRAPHY (Honours) (UG)							
	Year	Appl Recvd	Selected	Enrolled		Year	Pass %	No. 1 st Class
				M	F			
	2015-16	2817	85	48	37	2015-16	100%	24
	2014-15	2796	120	54	66	2014-15	100%	25 (3RD)
	2013-14	2951	87	39	48	2013-14	98.5%	5
	2012-13	2214	102	47	55	2012-13	100%	8
NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year								
27.	Diversity of Students							
	Name of the Course: : B Sc with GEOGRAPHY (Honours) (UG)							
	Year	% of Students from the same state			% of students from other States		% of students from abroad	
	2015-16	99%			1%		NIL	
	2104-15	97%			2%		1%	
	2013-14	98%			2%		NIL	
	2012-13	98%			2%		NIL	
	M .Sc. with GEOGRAPHY RESULT							
	YEAR		APPEARED	PASSED		FIRST CLASS		
	2011		26	25		24		
	2012		25	25		23		
	2013		25	25		25		
	2014		24	24		24		
	2015		24	24		23		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.							

NET : 29 OTHERS: 2 (in Banking)		
Session:	Number of students qualified NET	SSC/other
2009-2011	8	2
2010-2012	7	2
2011-2013	6	
2012-2014	5	
2013-2015	3	
29.	Student progression:	
	Student Progression	Against % enrolled
	UG to PG	95%
	PG to M.Phil	10%
	PG to Ph.D	55%
	Employed	Data Not Available
	<ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	
	Entrepreneurship/Self Employment	10%
30.	Details of Infrastructural facilities	
	(a) BOOKS IN SEMINAR LIBRARY: 848 (UG) + 410 (PG)	
	(b) BOOKS IN DEPARTMENTAL LIBRARY: 1483	
	(c) BOOKS IN READING ROOM: 66	
	(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:	
	20 COMPUTERS	
	Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.	
	CONFIGURATION	NUMBER
	Intel® Core™ 2 Duo CPU 4500@ 2.20GHz 1GB RAM, 500GB HDD	11
	Intel® Core™ 2 i3 2120 CPU 4500@ 3.30GHz 4GB RAM, 500GB HDD	9
	(c) Class rooms with ICT facility: ONE	
	One Projector, Computers, Laptops, AC, GIS and Remote Sensing software, Journals, E-	

	books			
	(d) Laboratories: 2 One GIS Laboratory containing 20 computers. One Water-Soil Analysis Laboratory.			
31.	Number of students receiving financial assistance from college, university, government or other agencies		Number of Students	Amount
		Financial support from government	10	40,000/student from PG Indira Gandhi Single Girl Child Scholarship
		Financial support from other sources	5	Kamala Roy Memorial Prize
		Number of students who received International/ National recognitions	4	For Excellence in Music, Dancing and javelin.
32	Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts:			
	SPECIAL LECTURES DELIVERED BY EMINENT PROFESSORS ON:			
	NAME OF EMINENT PROFESSORS	TOPIC OF LECTURES		
	GURU PRASAD CHATTOPADHYAY	<i>Landslides, Floods, River Bank Erosion</i>		
	MALAY MUKHOPADHYAY	<i>Applied Geomorphology in engineering and industrial development Global resource Crisis</i>		
	DR.KALYAN RUDRA	<i>Interlinking of Rivers</i>		
	PROF. RANJAN BASU	<i>Research And Methodology</i>		
	DR. PARTHA BASU	<i>Tropical Geomorphology</i>		
	PROF. PANNALAL DAS	<i>Soil Profile and Ternary Diagram</i>		

	PROF. KALYAN RUDRA	<i>Disaster in Devbhumi</i>
	PROF. MALOY MUKHOPADHYAY	<i>Neo- Deterministic Approach in the Future Trend of Development</i>
	DR. ANUPAM PAL	<i>Present Agricultural Problems of India and its Probable Solution</i>
	DR. TUSHAR CHAKRABORTY	<i>Environmental Crisis and Planetary System</i>
	DR. SOUMENDU CHATTERJEE	<i>Application of Remote Sensing and GIS in Geography</i>
33	Teaching methods adopted to improve student learning:	
	<p>Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are:</p> <ul style="list-style-type: none"> • Use of Computer aided Power Point Presentation. • Student Group Discussion Methods • Internal Seminars, Group Discussions, Field Report Writing (Both B.Sc. and M.Sc). • Up gradation of lecture-notes. • On the field training of the instruments GPS, Dumpy Level, Prismatic Compass, Clinometer. • One-to-one contact method with students for problem solving and answer correction. • Class tests. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: Students of the department are seriously involved in social works as members of the NSS team of the college. <ul style="list-style-type: none"> ➤ Marine Awareness Course, conducted by Sea Explorers' Institute, 2013 ➤ Marine Awareness Course, conducted by Sea Explorers' Institute, 2014 ➤ M.Sc students measuring the Area of BHASA campus of Asutosh College with survey instrument like GPS and Theodolite in 2013. ➤ Some students are in the college unit of NCC. ➤ Some students regularly take part in sports and games. ➤ Many departmental cultural programmes are performed by the students on the occasions of teacher's day etc. 	
	NAME	Social Responsibility (ISR) and Extension activities
	Dr. Sayani Mukhopadhyay	Certificate Course in Remote Sensing and GIS West Bengal State Council of Science and Technology, Govt. of West Bengal, 2010 Invited Speaker, UGC Sponsored National Seminar on

	<p>Social Dimension of Hazard Management 4-5th November, 2011, organized by Department of Geography, Hijli College in collaboration with WBCUTA, Paschim Medinipur.</p> <p>Guest Speaker for In Service Course of TGT (Social Science) on 27.12.13 at Kendriya Vidyalaya, Ballygunge and for In Service Course of PGT (Social Science) on 12.6.2014 and 16.6.2014 at Kendriya Vidyalaya, Ballygunge.</p> <p>Co-Chair in technical Session in International Seminar on Environmental Perspectives and Resource Management, 19th and 20th December, 2014, Organized by Institute of Landscape Ecology and Ekistics, Kolkata in collaboration with Department of Geography, University of Calcutta.</p> <p>Workshop on New B.A./B.Sc.(Part-2) Geography Syllabus.</p> <p>Vivekananda College for Women, Dept. of Geography, 2014</p> <p>National seminar cum Workshop on 'Contemporary Issues in Geography' Dept. of Geography, University of Calcutta With Geographical Society of India & NATMO, 2014</p> <p>Workshop "remote sensing and aerial photography. Organized by Dept. of Science and Technology and Dept. of Geography Loreto College, Kolkata, 2013</p> <p>Bhuvan workshop Held on University of Calcutta. Organized by Indian space research organisation, 2012.</p> <p>Workshop on Modalities of Practical Examinations in Geography Joint Organizer: UG Board of Studies in Geography, CU and Vivekananda College, 2014.</p> <p>UGC sponsored Refresher Course in Earth Science. UGC-Academic Staff College, University of Calcutta, August 9 to 28 August, 2010</p> <p>UGC sponsored Refresher Course in Earth Science. UGC-Academic Staff College, University of Calcutta, 2015</p>
--	---

	Sri Gourab Bera	<p>Workshop on Modalities of Practical Examination in Geography. Jointly Organised by UG board of Studies, CU and Vivekananda College for women, 22nd Nov, 2014.</p> <p>Workshop on Review to the Undergraduates Syllabus in geography. Jointly Organised by UG board of Studies, CU and Sri Shikshayatan College ,28th February, 2015</p> <p>Marine Awareness Course conducted by Sea Explorers' Institute, 2013.</p>
	Smt. Sayani Das	<p>Workshop on Remote Sensing and Aerial Photography jointly organized by Dept. of Science & Technology (DST), Govt. of India and Dept. of Geography, Loreto College, Kolkata, 2013.</p> <p>Central Groundwater Board Sponsored National level workshop on "Water Conservation, water security and water quality under JalKranti Abhiyan organized by Central Groundwater Authority and Central Groundwater Board, Eastern Region, Ministry of Water Resources, River Development and Ganga Rejuvenation, Govt. of India, Kolkata, October15, 2015.</p> <p>Summer Course on Introductory Observational and Theoretical Astronomy (SUMCIOTA), Conducted by Kolkata Astronomy Centre, 2013</p> <p>Certificate on Remote Sensing and GIS: Foundation course on Remote Sensing and GIS, 21st Century Solutions, 2015</p> <p>Marine Awareness Course Conducted by Sea Explorers' Institute, 2013 and 2014.</p>
	Sri Saurav Das	<p>UGC sponsored Orientation Program organized by UGC-Academic Staff College, University of Calcutta, 2009</p> <p>Certificate Course in Remote Sensing and GIS by West Bengal State Council of Science and Technology, Govt. of West Bengal, November 8 to 31 December,2010</p>
	Smt.Debasmrity Chaudhury	<p>Certificate on Remote Sensing and GIS: Foundation course on Remote Sensing and GIS, 21st Century Solutions, 2015-11-24</p>

		PG Diploma in RS-GIS, Jadavpur, University (2011-12)
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> • Qualified Potential Staff. • Well equipped laboratory. • Electronic aid in the classrooms. • Constant Research activities by Teaching Staffs. • Consistent satisfactory Result. • Encouraging students to get involved in the applied fields of Geography like RS-GIS.
	Weaknesses:	<ul style="list-style-type: none"> • Insufficient space which particularly hinders the extension of classroom, laboratory research facilities. • Student: Teacher ratio is not satisfactory • Low Participation in Seminars and Workshops by the faculties. • Documentation of departmental activities is not done regularly. • Due to heavy class loads, research activities among teachers are limited
	Opportunities:	<ul style="list-style-type: none"> • Inception of M.Sc. curriculum in the college has opened opportunity for the teaching staff to guide research works at least at the masters level. • New instruments procured for M.Sc. has also increased the facilities of research in the department. This may open new avenues for research also. • Due to exposure to Post Graduate teaching, the concerned teachers are appointed as examiners and paper setters in different universities and colleges having Post Graduate facilities.
	Challenges:	<ul style="list-style-type: none"> • Organising campus recruitment events for M.Sc. final year students. • Securing more research projects in near future • Up gradation of the training to students for betterment of result in the university examinations. • Encouraging the M.Sc. students to qualify NET, SET and other competitive examinations. • Making the Post-graduate students industry-ready. • Arranging additional research facilities for the students who have qualified for NET/SET and JRF as the

		opportunities for pursuing Ph.D. in different universities are currently very limited.
	<i>Future plans:</i>	<ul style="list-style-type: none"> • Arrange more number of special classes, tutorial classes by implementation of state-of-the art teaching methods to stop drop-out and for 100% success of the students in the University examinations. • Organising more seminars for the benefit of students. • Apply for infrastructural development grants from various granting agencies to develop the research facilities in the department. • Framing more research projects to secure research grants which may attract research fellows from students who will pass out for our department and also from other institutes. • Enhancing the quality of reference materials by upgrading the Departmental Library with upgraded relevant new books and journals.

ANNEXURE I: DEPARTMENT OF GEOGRAPHY

LIST OF PUBLICATION BY FACULTY

DR. ASOK KUMAR ROY

1. **Betal. H.R., A.K. Roy**, (1998) “Sustainable Development of Jagatballavpur, Howrah”, Indian Cartographer, Vol-17, Chandigarh.

DR. SAYANI MUKHOPADHYAY

1. **Sayani Mukhopadhyay**, (2016) *Dams as flood control measures: an analysis of people's perception on the role of Massanjore Dam in the year 2000 flood along Mayurakshi river, India.* in Environment, People and Management, Edited by S. Pan, S. Mukherjee, Renn Publications, New Delhi.
2. **Sayani Mukhopadhyay**, (2015), “ A Study of Gender Inequality in Literacy Status of HaoraSadar Sub-Division, Haora, West Bengal”; IJMER, ISSN ; 2277-7881. IF: 2.972.
3. **Sayani Mukhopadhyay** (2014) Indian Journal of Women and Development “Gender Disparity In Literacy Status Of Haora District, West Bengal : An Overview, Special Volume, pp42-59, 2014,

ISSN 2231-3974

4. **Sayani Mukhopadhyay** (2013) '*Right to education and Gender Disparity: A Case Study of Selected Villages in Birbhum*', in UGC Sponsored Conference Proceeding Book Titled "The Rite of wrongs :Human Rights in India" edited by Ajanta Paul, Avenel Press,; ISBN 978-93-80761-33-6, pp208-224
5. **Sayani Mukhopadhyay and Malay Mukhopadhyay**, (2013), "*Awareness of the People's Perception in Hazard and Disaster Management Practices: A case Study of the Lower Mayurakshi Basin, Murshidabad, W.B.*", in Conference Proceedings ,Etd. By Mukhopadhyay. S, Ray. D, Kundu, A, acb Publication, pp. 90-103, ISBN 81-87500-70-0
6. **Sayani Mukhopadhyay and Malay Mukhopadhyay** (2012) '*An analysis of People's Perception study of occurrence of flood in Mayurakshi river basin*', pp173-188 ,in in UGC Sponsored Conference Proceeding Book Titled on 'Social dimensions of Hazard Management', Edited by Moumita in MoumitaMoitraMaiti,ACB Publication, ISBN 81-87500-71-9
7. **Basu.P, Mukhopadyay. S and Jayraman.T** (2010) "*Climate Change: Vulnerability and Adaptation in the Flood Plains of West Bengal*", in Policy Brief Prepared for Regional Policy Action Platform for Climate Change(RPAPCC) West Bengal published by WWF India, New Delhi.
8. **Sayani Mukhopadhyay** (2009) "*Big Dam And its Glaring Implication: An Analysis of Peoples' Perceptions Study on Tehri Dam*" Indian Journal of Landscape System and Ecological Studies, Vol-32(1) ,pp321-329,ISSN 0971-4170
9. **Maloy Mukhopadhyay and Sayani Mukhopadhyay**,(2007) "*Importance of People's Perception Study of Flood in Mayurakshi Basin*", in an Edited Conference Proceedings Titled "Hazard Perception and Disaster Management", pp 83-86 ,Published by Sivanath Sashtri College, Department of Geography.
10. **Sayani Mukhopadhyay** (2005), '*Bio-diversity of Sundarbans: An Overview*' in Conference Proceedings Titled "Sundarbans: Problems and Perspectives", Edited by SamitKar, ACB Publication, pp. 86-93.ISBN81-817500-24-7
11. **Sayani Mukhopadhyay**, (2005), '*Loss of Land By Reservoir Water: A New Flood Situation In Dhawajapara*'- pp. 181-183. in Conference Proceedings Titled "River Floods- A Socio-Technical Approach", Edited by KaziM.B.Rahim, Moloy Mukhopadhyay and Debashish Sarkar ACB Publication, ISBN81-87500-23-9
12. **Sayani Mukhopadhyay** (2005). '*Interlinking River Project- Interlinking Problems?*'- in DELF, 'DELFL', Compendium volume Published by Asutosh College Teachers Council, Sponsored by

FAEA GRANT(New Delhi) and FORD foundation Grant (USA) (Peer reviewed and edited volume of full papers;) Second Issue, pp 51-57

SRI SOURAV DAS

1. **Sourav Das (2012):** “*Changing Nature and Occupational Structure and Sectoral Transformation of Working Population and Status of Employment in Chanditala II Block of Hugli District*” ; IJPSS; Vol. 3 Issue 9; ISSN: 2249-5894, IF : 0.562
2. **Sourav Das (2013):** “*Changing Nature and Occupational Structure and Sectoral Transformation of Working Population and Status of Employment in Chanditala I Block of Hugli District*” ; IJCR. IF: 6.226.
3. **Sourav Das (2013):** “*Performance of Mahatma Gandhi National Rural Employment Guarantee Scheme with Special Reference to Hugli District of West Bengal* “ ; IJPSS; Vol. 2 Issue 5; ISSN: 2249-5894, IF: 2.29.

DR. SAYANTI PODDAR

1. **Sayanti Poddar (2015) :** *Self-Help Group And Women Empowerment: A Case Study Of Hugli District In West Bengal*; IJMER, ISSN ; 2277-7881. IF: 2.972.
2. **Sayanti Poddar (2015):** *A Passage Through the Idol Making Industry of Kumartuli, Kolkata Municipal Corporation*, ESRI; ISSN : 0975-7635
3. **Sayanti Poddar and Swati Mallick,(2014):** ‘*Art For Living: A Case Study of ‘Patachitra’ Industry of NayaPingla, PaschimMedinipur*’; ESRI; ISSN : 0975-7635
4. **Sayanti Poddar and Swati Mallick,(2013):** “*A Review of the Handicraft Industry of Bolpur Subdivision of West Bengal with Special Reference to the Social Well-Being of the associated Craftsmen*, by Ed. By Mukhopadhyay. S, Ray. D, Kundu, ACB Publication, march, 2013, pp. 90-103, ISBN 81-87500-70-0
5. **Sayanti Poddar (2013):** ‘*An Insight into the Handloom and Handicrafts Industries of Birbhum District: A Case Study of Bolpur Subdivision*’; ILEE, ISSN 0971-4170

SRI GOURAB BERA

1. **Gourab Bera (2013):** “*Child Labour: A Social Hazard In India*”, *Geospectrum*, Kolkata, ACB Publication, pp. 224-233
2. **Gourab Bera (2011):** “*Identification Of Geomorphic Features At GanganirDanga, Garhbata,*

PaschimMedinipur, West Bengal”, Journal of Landscape System and Ecological Studies, vol.34, no.2, pp. 803-810. ISSN 0971-4170

SMT. SAYANI DAS

1. **Sayani Das** (2015) “*Predictive Analysis Of Groundwater Trends in Five Blocks of Sundarban Area in North 24 Parganas District, West Bengal, through GIS Application*”, IOSRJEN, 5(8), 2015, 36-44. (e-ISSN : 2250-3021, p-ISSN : 2278-8719). IF: 1.645.
2. **Sayani Das** (2015) “*Footprint of Globalization on Water Resources*”, Kolkata, Sanskrit PustakBhandar, (ISBN 978- 93- 83368- 68-6)
3. **Sayani Das** (2015) “*Managing the Weavers’ Crisis of Dhanekhali Handloom Industry*”, The International Journal of Engineering And Science (IJES), 4(7), 2015, 60-68. (ISSN (e): 2319 – 1815 ISSN (p): 2319 – 1805)
4. **Sayani Das** (2015) “*A GIS Based Appraisal of Groundwater Regime in the Indian Sundarbans Delta*”, 5th International Conference on Water and Flood Management, Bangladesh, IWFM, BUET, March, p.449. (ISBN 978- 984-33- 8801-8)
5. **Sayani Das and Pradip Kumar Sengupta** (2014) “*A GIS Based Visualisation of Groundwater Scenario in Five Sundarban Blocks of North 24 Parganas District, West Bengal*”, Ground water resources, development and management strategies in West Bengal, Central Groundwater Authority and Central Groundwater Board, Eastern Region, Ministry of Water Resources, Govt. of India, March, 24, p.44.
6. **Sayani Das** (2013) “*Socio-Economic Status of Slum Dwellers and Upper Class Residential Woman: A Case Study on Selected Blocks of Kolkata*”, Geospectrum, Kolkata, ACB Publication, p.238. (ISBN 81- 87500- 70-0).

SMT. SOUMITA BANERJEE:

1. *Light Pollution: A New Menace in Kolkata.*, IJMER pp 9-19(ISSN:2277-7881),2015. IF: 2.972.
2. *Suicide – Psychosocial Hazard: a Comparative Study of Selected Major Cities in India*, IJMRD, pp 522-525(ISSN: 2349-4182),2015. IF: 5.72.
3. *A Comparative Study of Socio-Economic Status of Women in the Slums and Colonies of West Bengal: A Case Study of Madhyamgram Municipal Area, North 24 Paraganas.*, IJRSS, pp-691-705(ISSN:2249-2496), 2014. IF: 0.564.
4. *Variation of the Health Profiles in Slums, Colonies and High Rise Apartments of Selected Wards in Madhyamgram Municipal Area, North 24 Paraganas, West Bengal*, ESRI Journal, pp-78-

84(ISSN:0975-7635), 2013.

5. *Analogue Forestry: A Step towards Sustainable Development*. The Observer, pp 94-97(ISSN:2230-9535), 2013

6. *Indian's Expeditions in Antarctica*. The Observer, pp133-136 (ISSN:2230-9535),2012

7. *Crisis of Groundwater in India*, *The Observer*, pp 149-153 (ISSN:2230-9535),2011

BOOKS EDITED

1. **Dr. Sayani Mukhopadhyay: Editor**, jointly with Debdas Ray and Abhik Kundu, *Geospectrum, the compendium volume of UGC sponsored National Conference on Recent Researches in Earth System Science*, Asutosh College, Kolkata. (Conference held in February 2012, peer reviewed and edited volume published in April, 2013). ISBN: 81-87500-70-0.

CHAPTERS IN BOOKS:

Name of Faculty	Number of Chapters in Books
Dr. Sayani Mukhopadhyay	3
Smt. Sayani Das	1

ANNEXURE II: DEPARTMENT OF GEOGRAPHY

AWARD RECEIVED BY STUDENTS

NAME	AWARD	SESSION
Debarghya Chakraborty	1 st Prize Netaji Birthday Ceremony in Recitation	2014
Kushal Mukherjee	Best Photo of the month award from Pixoto	2014
Ankita Biswas	2 nd Prize Inter School Debate Competition	2014

Sayanti Das	2 nd Prize North East Zone Calcutta centre in Essay	2013
Anup Kumar Barman	2 nd and 1 st prize in State level and District level javelin	2013
Neha Das	Prize in Dancing in Inter School Fashion Design	2013
Diwakar Yadav	1 st and 2 nd Prize in Running in NCC competition	2013 2012 2011
Riddhi Lahiri	Song, Short Put, Dance	2012
Arghya Bhattacharya	Swimming	2008
	Acting	2008
Sanjoy Baisya	Athlete, Colour Painting, Power Point competition.	2008, 2009, 2012
Srutilekha Roy	Awarded the 1st Prize in Kheyal and Ragpradhan and 3rd Prize in Bhajan. In The Dover lane Music Competition	December , 2011
	Awarded National Scholarship (Govt. Of India) in Light Classical Music (Thumri, Dadra, Tappa Etc.).	January 2014
Aritree Chakraborty	Awarded 1 st position in Rabindra Nritta organized by Marwari Yuva Manch	2011
College Toppers in UG section:		
Name of the College Toppers	Calcutta University Rank	Year
Pradyut Mandal	3 rd	2010-11
Archita Mohanti	5 th	2011-12
Soumi Sengupta	4 th	2013-14

Nandita Naiya	3 rd	2014-15
College Toppers in PG section:		
Name of the Toppers	Prize	Year
Srabani Mitra	Kamala Roy Memorial Prize	2010-11
Debolina Dey		2011-12
Debapriya Banik		2012-13
Pallabita Das		2013-14
Abhirupa Chatterjee		2014-15

NAME OF EMINENT ALUMNI

1. Dr. Pijush Kanti Saha, Vice Chancellor, North Bengal University
2. Dr. Sitansu Mukherjee, Vice Chancellor, Kalyani University
3. Dr. P.N.Hore, Professor, Ahamadu Bello University, Nigeria
4. Dr. Srikumar Bandhopadhyay, Scientist, Centre for Earth Science, Thiruvantipuram
5. Dr. Anindya Paul, D.S.C, Prof. and H.O.D, North Bengal University
6. Nikhilash Das, IAS, Principal Secretary
7. Dr. Subir Sarkar, Professor, North Bengal University
8. Dr. Monotosh Kumar Bandhopadhyay, Retired Professor ,CU
9. Prof. Anindya Sen, Retired Professor, North Bengal University
10. Dr. Ashis Paul, Associate Professor, Vidyasagar University
11. Dr. Sandip Kumar Chowdhury, Senior Education Service, Govt. of West Bengal
12. Dr. Late Asit Sengupta, Deputy Director and More

13. Dr. Mukut Ghosal, Retired Associate Professor, Heramba Chandra College
14. Dr. Mihir Maiti, Retired Associate Professor, Heramba Chandra College
15. Dr. Sudhagshu Ganguly, Anthropological Survey of India
16. Dr. Aritra Chakroborty, Assistant Professor, Presidency University
17. Dr. Priyank Patel, Assistant Professor, Presidency University

EVALUATIVE REPORT OF THE DEPARTMENT OF GEOLOGY

1.	Name of the department:	GEOLOGY	
2.	Year of Establishment:	UG- 1953	PG- 2014
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG	B.Sc. (Honours) B.Sc. (General)
		PG	M.Sc. Applied Geology (Self –Financing)
4.	Names of Interdisciplinary courses and the departments/ units involved	M.Sc. Environmental Science	
5.	Annual/ semester/ choice based credit system (programme wise)	UG	Annual System as per University of Calcutta Norms
		PG	Semester System as per University of Calcutta curriculum
6.	Participation of the department in the courses offered by other departments		
	COURSE	FACULTY	PARTICIPATION AS
	M.Sc. ENVS	Abhik Kundu	Teaching, Paper-Setter, Examiner, Guiding M.Sc. Dissertation
7.	Courses in collaboration with other universities, industries, foreign institutions etc.		
	UG: Mine visit programmes in collaboration with other mining organisations like TISCO, UCIL etc.		
	PG: Students get Industrial Training from TISCO, SAIL etc. or undertake academic projects under eminent teachers of other universities. Students also get basic training on precision analytical instruments from the GSI.		

8.	Details of courses/ programmes discontinued (if any) with reasons	NIL				
9.	Number of Teaching posts sanctioned and filled	DESIGNATION	SANCTIONED	FILLED		
		Professor				
		Associate Professor				
		Assistant Professor	5	3		
		Contractual Whole-Time Teacher	3	3		
		Graduate Laboratory Instructor				
		Laboratory Assistant	1	1		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D. guided
Debdas Ray		Ph.D.	Associate Professor (Retired on 31 st March, 2013)	Igneous and Metamorphic Petrology	34	Nil
Abhik Kundu		Ph.D.	Head of the Department & Assistant Professor of Geology	Sedimentology, Structural Geology, Planetary Geology	14	Nil.

Ashis Kumar Das	Ph.D.	Assistant Professor of Geology	Rock Magnetic Study, Palaeomagnetism	9	Nil
Rwiti Basu	M.Sc.	Assistant Professor of Geology	Structural Geology	1	Nil
Indrani Bhattacharyya	Ph.D.	Contractual Whole-Time Teacher	Coal Geology	1	Nil
Sujoy Dasgupta	M.Sc.	Contractual Whole-Time Teacher	Structural Geology	1	Nil
Dipanjana Mazumdar	M.Sc.	CWTT	Metamorphism, Geophysics	<1	Nil
11.	List of senior visiting faculty		<ol style="list-style-type: none"> 1. Prof. Dhrubajyoti Mukhopadhyay (Retired Professor in Geology, University of Calcutta; Emeritus Scientist, Raman Centre for Applied and Interdisciplinary Sciences) 2. Prof. Anil Kumar Ghosh (Retired Professor in Geology, University of Calcutta) 3. Dr. Amal Dasgupta (Retired Associate Professor in Geology Asutosh College) 4. Prof. Tapas Bhattacharyya (Professor in Geology, University of Calcutta) 5. Dr. Debdas Ray (Retired Associate Professor in Geology Asutosh College) 6. Prof. Pulak Sengupta (Professor in Geological Sciences, Jadavpur University) 7. Smt. Mohua Ganguly (Associate Professor in Geology, Jogamaya Devi College) 		

		8. Dr. Abhijit Chakraborty (Associate Professor in Geology, Jogamaya Devi College) 9. Sri Kaushik Kiran Ghosh (Assistant Professor in Geology, Jogamaya Devi College) 10. Dr. Santanu Bose (Assistant Professor in Geology, University of Calcutta) 11. Dr. Biswajit Ghosh (Assistant Professor in Geology, University of Calcutta)															
12	Percentage of lectures delivered by temporary faculty	45% in the M.Sc. Applied Geology															
13.	Student -Teacher Ratio (programme wise)	<table> <tr> <th>Session</th><th>UG</th><th>PG</th></tr> <tr> <td>2011-12</td><td>16:1</td><td></td></tr> <tr> <td>2012-13</td><td>25:1</td><td></td></tr> <tr> <td>2013-14</td><td>30:1</td><td></td></tr> <tr> <td>2014-15</td><td>31:1</td><td>2.5:1</td></tr> </table>	Session	UG	PG	2011-12	16:1		2012-13	25:1		2013-14	30:1		2014-15	31:1	2.5:1
Session	UG	PG															
2011-12	16:1																
2012-13	25:1																
2013-14	30:1																
2014-15	31:1	2.5:1															
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Three 12. Mr. Umesh Prasad Singh (Skilled Laboratory Attendant) 13. Mr. Shankar Prasad Singh (Skilled Laboratory Attendant) 14. Mr. Shailendra Singh (Laboratory Attendant) 15. Mrs. Arpita Pal, Laboratory Assistant															
15.	Qualifications of teaching faculty with D.Sc./Ph.D./MPhil/PG	PhD: 3 PG :3															
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	National : 1 International: -- • Title “Structural patterns within the Noachis Terra: Implication on Martian tectonics”. Principal Investigator: Dr. Abhik Kundu Collaborator: Dr. Prakash Chauhan Scientist - SG & Head, PMD, MPSG/EPSCA, Space Applications Centre (ISRO),															

		Ahmedabad Co-investigator: Dr. Nilanjan Dasgupta Associate Professor, Department of Geology, Presidency University. Collaborative research proposal funded by Space Applications Centre (ISRO), Ahmedabad. (Amount Rs. 12,96,000/-, further enhanced due to increase of research fellowship amount). One Junior research fellow is working in this project.													
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	Space Applications Centre (ISRO)													
18.	Research Centre/ facility recognized by the University	NIL													
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index														
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l	
Dr. Abhik Kundu		6	4	2	5	0	0	1	1						
Dr. Ashis Kumar Das		1	1	0											
Sujoy Dasgupta		1	0	1			1								
Dipanjan Mazumdar			1	0											
PUBLICATION LIST IN ANNEXURE TO DEPARTMENT OF GEOLOGY															

20.	Areas of consultancy and income generated:	NIL
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.	
	a) National Committees	
	Name of Faculty	National Committee
	Dr Abhik Kundu	<ul style="list-style-type: none"> • Member, SEPM (Society for Sedimentary Geology). • Life Member, Asiatic Society, Kolkata. • Member of The Society of Earth Scientists, C-207, Indira Nagar, Lucknow-226016 (U.P.), India. • Member, Structural Geology & Tectonic Studies Group – India. • Life Member, Himalayan Geology (Journal), Wadia Institute of Himalayan Geology, Dehra Dun.
	Rwiti Basu	<ul style="list-style-type: none"> • Member, Structural Geology & Tectonic Studies Group – India.
	Sujoy Dasgupa	<ul style="list-style-type: none"> • Member, Structural Geology & Tectonic Studies Group – India.
	b) International Committees	NIL
	c) Editorial Board	
	NAME	COMMITTEE
	Abhik Kundu	<p>Member, Editorial Board, International Journal of Geology, Earth and Environmental Science</p> <p>Reviewer in: Episodes, Journal of Earth System Science, Arabian Journal of Geosciences, Journal of African Earth Science, Comptes Rendus Geoscience</p>
22.	Student projects	

a)	Percentage of students who have done in-house projects including inter departmental/ programme	<p>B.Sc. (Honours) 100% (Field projects)</p> <p>B.Sc. (General) 100% (Field projects)</p> <p>M.Sc. 100% (Field projects)</p> <p>M.Sc. 100% (Industrial/Academic Training)</p> <p>M.Sc. 100% (M.Sc. Compulsory Thesis of 150 marks)</p>
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	<p>100% of M.Sc. Students</p> <p>(Undertook basic training of precision analytical instruments in the Geological Survey of India; Industrial Training in SAIL, TISCO etc.)</p>
23.	Awards/ Recognitions received by faculty and students:	
	<ul style="list-style-type: none"> ○ A team of 2nd year (Honours) students (Debaditya Mukhopadhyay, Manali Sarkar, Samhati, ArunavaNaskar, Debarghya Das) got 2nd prize in a dynamic model presentation competition in the IIT Kharagpur in the year 2013. ○ A team of B.Sc. 2nd Year (Honours) students (Soumyadip Banerjee, Debasmita Ray, Debayan Pal) participated in ISM Dhanbad- Geo Confluence 2014 and stood 2nd in Geo- Modelling and 1st in Photography. 	
24.	List of eminent academicians and scientists/ visitors to the department:	
	<p>The following eminent academicians are academicians are visiting faculty in the M.Sc. Applied Geology course, which started in the year 2014.</p> <p>16. Prof. Dhruvajyoti Mukhopadhyay Alexander von Humboldt Fellow (Retired Professor in Geology, University of Calcutta; Emeritus Scientist, Raman Centre for Applied and Interdisciplinary Sciences)</p> <p>17. Prof. Anil Kumar Ghosh (Retired Professor in Geology, University of Calcutta)</p> <p>18. Prof. Tapas Bhattacharyya (Professor in Geology, University of Calcutta)</p> <p>19. Prof. Pulak Sengupta Alexander von Humboldt Fellow (Professor in Geological Sciences, Jadavpur University)</p> <p>20. Dr. Santanu Bose National Geoscience Award winner, JSPS Fellow</p>	

ASUTOSH COLLEGE SSR 2015

	(Assistant Professor in Geology, University of Calcutta)						
	21. Dr. Biswajit Ghosh JSPS Fellow (Assistant Professor in Geology, University of Calcutta)						
25.	Seminars/ Conferences/ Workshops organized & the source of funding						
	a) National: 1 i. UGC sponsored National Conference on Recent Researches in Earth System Science , Asutosh College, Kolkata. (A 2-day Conference held in February 2012, peer reviewed and edited compendium volume published in April, 2013) ii. Seminar on Petroleum and Iron-Ore Geology , 22 nd August, 2015 b) International: Nil						
26.	Student profile programme/ course wise:						
	Name of the Programme: B.Sc. with Geology (Honours) (UG)						
Year	Applic Received	Selected	Enrolled		Year	Pass %	No of 1 st Class
			M	F			
2015-16	1517	75	44	31	2015-16	100	23
2014-15	1423	74	50	24	2014-15	100	24
2013-14	1216	53	37	16	2013-14	100	24
2012-13	1206	56	40	16	2012-13	100	21
NB: Admission data of 1st year and pass percentage of outgoing 3rd year							
Name of the Programme: MSc in Applied Geology (PG)							
Year	Applications Received	Selected	Enrolled		Pass Percentage	No of 1 st Class	
			M	F			
2015-16	98	17	10	7	NA	NA	
2014-15	76	18	11	7	NA	NA	
1st Batch of P.G. yet to appear							

27.	Diversity of Students		
Name of the Course: : BSc with Geology (Honours) (UG)			
Year	% of Students from the same state	% of students from other States	% of students from abroad
2015-16	94%	6%	NIL
2014-15	97.40%	1.94%	0.64%
2013-14	97.97%	1.30%	0.67%
2012-13	96.42%	1.78%	1.78%
Name of the Programme: MSc in Applied Geology (PG)			
Year	% of Students from the same state	% of students from other States	% of students from abroad
2015-16	100%	NIL	NIL
2014-15	100%	NIL	NIL
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?		
	Our college is an undergraduate institute. So, it is not applicable for our institution. However, ex-students of our institutions usually qualify NET, SLET and GATE. Generally they have no interest in Civil Services.		
	NUMBER OF NET QUALIFIED:		
	2015 – 2		
	2014 – 3		
	2013 - 4		

29.	Student progression:	
	Student progression	Against % enrolled
	UG to PG	Almost 100%
	PG to M.Phil.	Data not available.
	PG to Ph.D.	First batch of P.G. Applied Geology is still pursuing the M.Sc. studies. Therefore N.A.
	Employed	<p>First batch of P.G. Applied Geology is still pursuing the M.Sc. studies.</p> <p>Our students get jobs in different geological organisations like ONGC, GSI, CGWB, Coal India, GAIL, SAIL and various Corporate Houses after completion of M.Sc. from different Universities, IITs and ISM etc.</p>
	Campus selection	<p>Most of the Geology jobs are available after M.Sc. First batch of P.G. Applied Geology is still pursuing their M.Sc. studies.</p> <p>Therefore N.A.</p>
	Other than campus recruitment	All
	Entrepreneurship/ Self-employment	Data not available
30.	Details of Infrastructural facilities	
	(a) Library: The department has its departmental seminar libraries separately managed for U.G. and P.G. courses in addition to the central library facility. Departmental library is well maintained. It contains 384 books for UG students and 65 books for PG (Since 2014) students with other articles like maps, memoirs etc.	
	(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:	
	Configuration	No of Computer
	Desktop PC- Intel i5 4th gen, 1 TB HDD, 8GB RAM	1 No.

Intel core i3 CPU, Intel Chipset motherboard, 2GB DDR3 Ram, 500 GB HDD, DVD RW, LG 16" LED Monitor		1 No.
Intel core i3 assembled desktop, 500GB HDD, 2 GB RAM		4 Nos.
HP Inkjet Printer cum Scanner		2 Nos.
Intel Dual Core Desktop		1 No.
HP Dual core, 500 GB HDD, 4 GB RAM Laptop		1 No.
Lenovo Dual Core, 500GB HDD, 1 GB RAM Laptop		1 No.
HP i3 500GB HDD, 2 GB RAM Laptop		2 Nos.
Acer Core 2 Duo Laptop		1 No.
BenQ Digital Projector		3 Nos.
Optoma Digital Projector		1 No.
Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machines through Wi-Fi.		
(c) Class rooms with ICT facility: We have permanently installed LCD projectors, overhead projector, Slide Projector. The computer and projection systems are regularly used in aid of classroom lectures. Microscope attached camera is used with LCD projector in the practical demonstrations of rock thin sections.		
(d) Laboratories: Equipped Petrology, Mineralogy and Palaeontology Laboratory instruments are available to students. Separate sets of laboratory instruments are maintained for B.Sc. and M.Sc. classes. M.Sc. students also enjoy chemical laboratory in the Environmental Science Department and Remote Sensing Laboratory in the Geography Department.		
31.	Number of students receiving financial assistance from college, university, government or other agencies	
	One student in B.Sc. 2 nd Year (Hons.) is receiving DST INSPIRE fellowship.	
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	Special classes (particularly practical classes) are taken by the faculty before practical examinations. Dr. Rajesh Mukherjee, Principal Geologist, TISCO and Sri Tarun Kumar Sengupta, Chief Geologist (Retired),

		ONGC delivered talks to the students.
33	Teaching methods adopted to improve student learning:	
	<p>Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are:</p> <ul style="list-style-type: none"> ○ Use of Computer aided digital presentation method ○ Student Group Discussion Methods ○ Internal Seminars, Group Discussions, Field Report Writing (Both B.Sc. and M.Sc.), Reports of Industrial training (M.Sc.). ○ Constant upgradation of lecture-notes. ○ On the field training of petrology, economic deposits, structural and lithological mapping ○ Special classes are regularly taken to address the problems of the weaker students. ○ One-to-one contact method with students for problem solving and answer correction. ○ Class tests. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	Detail in ANNEXURE II	
	Abhik Kundu	Paper setter internal and external examiner for CU Part I Part II and Part III Examinations. Seminar attended: National: 4 Workshop attended: 2
	Ashis Kumar Das	Paper setter internal and external examiner for CU Part I Part II and Part III Examination. Seminar attended: National: 5
	Rwiti Basu	Internal and External examiner For CU Part II and Part III
	Depanjan Majumder	Observer in Central TET conducted by CBSE
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> ○ Qualified Potential Staff. ○ Well equipped laboratory setup. ○ Availability of Electronic aid in the classrooms.

		<ul style="list-style-type: none"> ○ Satisfactory computational facilities. ○ Staffs are interested in research activities and secure grant-in-aid from funding agencies like UGC and ISRO. ○ Results of the students are satisfactory. ○ Subject is in demand due to availability of jobs to trained geologists.
	Weaknesses:	<ul style="list-style-type: none"> ○ Insufficient space which particularly hinders the extension of classroom, laboratory research facilities. ○ Student: Teacher ratio is not sufficient to cope-up the day-to-day academic affairs. ○ Participation in seminars and conferences at national and international level by the faculty members is quite low. ○ Documentation of departmental activities is not done regularly.
	Opportunities:	<ul style="list-style-type: none"> ○ Inception of M.Sc. curriculum in the college has opened opportunities for the teaching staff to guide research works at least at the masters level. ○ New instruments procured for M.Sc. has also increased the scope of research in the department. This may open new avenues for research also. ○ The department has already started making new contacts with the various science institutes (eg. GSI), universities and industries for training of the students. This may create job opportunities for the students who will pass out from our department in future and may also create opportunities for collaborative research works.
	Challenges:	<ul style="list-style-type: none"> ○ Organising campus recruitment events for M.Sc. final year students. ○ Securing more research projects in near future for upgradation of the research environment of the department. ○ Upgradation of the training to students for betterment of result in the university examinations. ○ Encouraging the B.Sc. students to compete for admission to the premier institutions like the IITs, ISM and other universities.

		<ul style="list-style-type: none"> ○ Encouraging the M.Sc. students to qualify NET, SET, GATE, UPSC-Geologists' Examination (for recruitment in GSI and CGWB). ○ Making the Post-graduate students industry-ready.
	<i>Future plans:</i>	<ul style="list-style-type: none"> ○ To develop our department as one of the best Geology Departments in the state of West Bengal. ○ Would arrange more special classes, tutorial classes by implementation of state-of-the art teaching methods to stop drop-out and for 100% success of the students in the University examinations. ○ Organising more seminars for the benefit of students. ○ Framing more research projects to secure research grants for augmentation of research in the department which may attract research fellows from students who will pass out for our department and also from other institutes. ○ Apply for infrastructural development grants from various granting agencies to develop the research facilities in the department. <p>Enhancing the quality of reference materials by upgrading the Departmental Library.</p>

ANNEXURE I: DEPARTMENT OF GEOLOGY

LIST OF PUBLICATION BY FACULTY

Dr. Abhik Kundu

Articles Published in Peer Reviewed journals

Accepted Article:

in Arabian Journal of Geosciences, Springer

1. **Abhik Kundu**, Abdul Matin and Patrick G. Eriksson. Petrography and Geochemistry of the Middle Siwalik sandstones (Tertiary) in understanding the provenance of sub-Himalayan sediments in the Lish River Valley, West Bengal, India, IF: 1.17, h-Index: 16, SJR: 0.42.

Published Article:

1. **Abhik Kundu**, Patrick G. Eriksson, Abdul Matin. (2015) Soft-sediment deformation structures in the sub-Himalayan Middle Siwalik Subgroup, Lish River section, India. In

- Episodes, Journal of International Geoscience, IUGS. IF: 2.07, h-Index: 52, SJR: 1.17.*
2. Keyur De, **Abhik Kundu**, Prakash Chauhan, Nilanjan Dasgupta. (2015) An example of consistent palaeostress regime resulting in morphometric irregularity in the northwestern part of Noachis Terra, Mars. *Current Science*, vol. 108, no. 12, 2156-2159. IF: 0.838, h-Index:84, SJR: 0.32
 3. **Abhik Kundu**, Abdul Matin and Malay Mukul (2012) Depositional environment and provenance of Middle Siwalik sediments in Tista valley, Darjiling District, eastern Himalaya, India. *Journal of Earth System Science*, vol. 121 no. 1, 73-79. IF: 1.24.
 4. **Abhik Kundu**, Abdul Matin, Malay Mukul and Patrick G. Eriksson (2011) Sedimentary Facies and Soft-sediment Deformation Structures in the Late Miocene-Pliocene Middle Siwalik Subgroup, Eastern Himalaya, Darjiling District, India. *Journal Geological Society of India*, vol. 78, 321-336. IF: 0.56.
 5. **Abhik Kundu**, Bapi Goswami, Patrick G. Eriksson and Abhijit Chakraborty (2011) Palaeoseismicity in relation to basin tectonics as revealed from soft-sediment deformation structures of the Lower Triassic Panchet Formation, Ranigunj basin (Damodar valley), eastern India. *Journal of Earth System Science*, vol. 120 no. 1, 167-181. IF: 1.24.

Published Extended Abstracts/Abstracts:

In Peer Reviewed Abstract Volumes:

1. Keyur De, Nilanjan Dasgupta, **Abhik Kundu** and Prakash Chauhan (2015) Fluvial channels in the north-western part of Noachis Terra, Mars: Implications for tectonic controls. EPSC Abstracts, vol. 10, EPSC2015-296, 2015, *European Planetary Science Congress 2015*.
2. Keyur De, Nilanjan Dasgupta, **Abhik Kundu** and Prakash Chauhan (2015) Shape Analysis of Crater Ejecta Blanket: Possible Implications. *46th Lunar and Planetary Science Conference*, 1871.pdf.
3. **Abhik Kundu**, Trishit Ruj and Nilanjan Dasgupta (2014) A Simplistic Approach in Explaining The Formation of A So-Called Strike-Slip Fault Within The Thaumasia Planum, Mars. *45th Lunar and Planetary Science Conference*, 1307.pdf.

In Abstract Volumes:

1. **Abhik Kundu**, Malay Mukul and Abdul Matin (2014) Structural geometry and shortening of the Sub Himalaya, Darjeeling district, West Bengal. *Rock Deformation & Structures Conference: RDS-III-2014, Dibrugarh University, Assam, India. p. 5-6.*
2. Keyur De, **Abhik Kundu**, Prakash Chauhan, Trishit Ruj and Nilanjan Dasgupta (2014) Pit-crater chains within a graben in Noachis Terra, Mars. *Rock Deformation & Structures Conference: RDS-III-2014, Dibrugarh University, Assam, India. pp. 89-90.*

3. Abhik Kundu, Keyur De, Prakash Chauhan, Nilanjan Dasgupta (2014) Understanding deformation and palaeostress directions from topographic features: A study from Noachis Terra, Mars. Workshop on "Mars Orbiter Mission"-Data Analysis and Science Plans, Physical Research Laboratory, Ahmedabad, India; 08/2014, pp. 22-23.
4. Nilanjan Dasgupta, Trishit Ruj and **Abhik Kundu** (2014) Disentangling the superposed stress regimes within an area south of Valles Marineris, Mars. i. Workshop on "Mars Orbiter Mission"-Data Analysis and Science Plans, Physical Research Laboratory, Ahmedabad, India; 08/2014, pp. 9.
5. Trishit Ruj, **Abhik Kundu** and Nilanjan Dasgupta (2013) Transverse Faulting: A Simplistic Approach towards the Strike Slip Faults within Thaumasia Planum, Mars. Abstracts & Compendium of Published Papers. *Workshop on Lunar and Mars Geosciences, Space Application Centre, (ISRO), Ahmedabad-380015, India. p.38.*
6. Trishit Ruj, Nilanjan Dasgupta, Anup K. Das and **Abhik Kundu** (2013) Evidences of Progressive stresses within Lunar crust between Rima Hyginus and Rima Ariadaeus. *Abstracts & Compendium of Published Papers, Workshop on Lunar and Mars Geosciences, Space Application Centre, (ISRO), Ahmedabad-380015, India. p.7.*
7. **Abhik Kundu**, Abdul Matin and Malay Mukul (2012) Origin of soft-sediment deformation structures and its bearing on the basin tectonics of the Middle Siwalik in Lish River section. *Abstract Volume, UGC sponsored National Conference of Recent Researches in Earth System Science, Asutosh College, Kolkata.*
8. Dipsikha Ghosh, Bapi Goswami and **Abhik Kundu** (2010) Understanding the Transportational and Depositional Setting of Panchet Formation, Purulia and Bankura Districts, West Bengal from Grain Size Analysis. Abstract Booklet, Advances in Statistical Science. *International Conference in Celebration of 90th Birth Anniversary of Professor C.R. Rao, Indian Statistical Institute Kolkata, India. p.6.*

Dr. Ashis Kumar Das

Articles published in peer reviewed journals

1. **Ashis Kumar Das** and D. Majumdar (2010). Reappraisal of Magnetic Susceptibility Anisotropy of the Precambrian Banded Haematite Jasper rocks of Bonai Synclorium, Orissa to unravel the deformational history. *Indian Journal of Geosciences*, vol 65; No. 1. Pp 65-78. IF: 0.16, h-Index: 11, SJR: 0.13.

Dr. Indrani Bhattacharyya

Article Published In Abstract Volume

1. **Indrani Bhattacharyya** and Debashis Shome (2015). Coal-biomass mixture - a substitute fuel. National Seminar on Petroleum in India: Present & Future. Organised by Geological,

Mining and Metallurgical Society of India, Calcutta and Calcutta University Geology Alumni Association, 20-21 March, 2015.

Sri Sujoy Dasgupta

1. Santanu Misra, Nibir Mandal, **Sujoy Dasgupta**(2015). Role of Pressure and Temperature in inclusion-induced shear localization: an analogue experimental approach. Journal of Structural Geology. IF: 2.884, h-Index: 91, SJR: 1.65.
2. **Sujoy Dasgupta**, Nibir Mandal, Santanu Bose. How far does a ductile shear zone permit transpression? Book Chapter.

Sri Dipanjan Mazumdar

1. Ashis K Das and **D. Majumdar** (2010). Reappraisal of Magnetic Susceptibility Anisotropy of the Precambrian Banded Haematite Jasper rocks of BonaiSynclitorium, Orissa to unravel the deformational history. Indian Journal of Geosciences, vol 65; No. 1. Pp 65-78. IF: 0.16, h-Index: 11, SJR: 0.13

EVALUATIVE REPORT **DEPARTMENT OF** **INDUSTRIAL FISH AND FISHERIES**

1.	Name of the department:	INDUSTRIAL FISH AND FISHERIES		
2.	Year of Establishment:	1994		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG Major Course under Calcutta University		
4.	Names of Interdisciplinary courses and the departments/ units involved	B. Voc. Industrial Aquaculture and Fisheries M. Sc. Zoology of PG department of Zoology, Asutosh College.		
5.	Annual/ semester/ choice based credit system (programme wise)	Under Graduate: Annual System as per University of Calcutta norms.		
6.	Participation of the department in the courses offered by other departments			
	COURSE	FACULTY	PARTICIPATION AS	
	M.Sc. Zoology	Ram Krishna Das	Teacher, Examiner	
	M.Sc. Zoology	Satyam Kumar Kundu	Teacher, Examiner	
	B. Voc. Industrial Aquaculture and Fisheries	Ram Krishna Das	Teacher, Examiner	
	B. Voc. Industrial Aquaculture and Fisheries	Satyam Kumar Kundu	Teacher, Examiner	
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.			Sanctioned	Filled
	Number of Teaching posts sanctioned and filled	Professor	-	-
		Associate Professor	-	-
		Assistant Professor	2	1
		CWTT	1	1
		PTT	-	-

ASUTOSH COLLEGE SSR 2015

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualif	Designation	Specialization	No. of Years of Exp.	No. of PhD students
Ram Krishna Das		M.Sc.	Assistant Professor	Fish Biology	01	NIL
Satyam Kumar Kundu		Ph.D	CWTT	Biological Oceanology	19	NIL
Bharati Pramanik		M.Sc.	Guest Teacher	Ecology	-	NIL
Suparba Saha		M.Sc.	Guest Teacher	-	-	NIL
Shreyosree Ganguly		M.F.Sc.	Guest Teacher	Biotechnology	-	NIL
11.	List of senior visiting faculty		NIL			
12.	Percentage of lectures delivered by temporary faculty		44%			
13.	Student -Teacher Ratio (programme wise)		Session	UG		
			2011-12	24.3:1		
			2012-13	18.3:1		
			2013-14	43:1		
			2014-15	34.8:1		
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled		POST	SANCTIONED	FILLED	
			Laboratory Attendant	1	1	
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG		PhD: 1 PG: 4			
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:		NIL			
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.		NIL			

ASUTOSH COLLEGE SSR 2015

18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		b1	b2	c	d	e	f	g	h	i	j	k	l	
Ram Krishna Das		01										0.411		
Satyam Kumar Kundu		08												
PUBLICATION LIST : IN ANNEXURE I														
20.	Areas of consultancy and income generated:				NIL									
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a)National Committees				NIL									
	b) International Committees				NIL									
	c) Editorial Board				NIL									
22.	Student projects													
a)	Percentage of students who have done in-house projects including inter departmental/ programme				All do their projects outside college. 1ST YEAR: Project on Fish and Fisheries with special reference to marine capture fishery of Digha and Sankarpore area, Purba Medinipore,West Bengal. 2ND YEAR: Project on fresh water fin fish and shell fish culture at KVK Nimpith, South 24 Parganas, 24 Parganas. 3RD YEAR: Project on Fish Processing and Post Harvest Technology at National Institute									

		of Fisheries Post Harvest Technology and Training, Ministry of Agriculture, Govt of India, Cochin and Vizag Unit.	
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	100%	
		1 st Year	Marine Capture Fishery, Digha
		2 nd Year	KVK, Nimpith, 24-Parganas(S)
		3 rd Year	NIFPHTT, Cochin and Vizag
23.	Awards/ Recognitions received by faculty and students:		
	NAME	AWARD	SESSION
	Tamali Bhattacharya	Keshab Chandra Mukherjee Memorial Prize	2012-13
	Tarun Das	1 st Class First (University Topper)	2013
	Abhishek Saha	1 st Class First (University Topper)	2014
24.	List of eminent academicians and scientists/ visitors to the department:		
	<ul style="list-style-type: none"> • Prof. Samir Banerjee, University of Calcutta • Prof. Naresh Chandra Dutta, University of Calcutta • Dr. A. Ghosh, Former Director, CIFE 		
25.	Seminars/ Conferences/ Workshops organized & the source of funding		
	a) National:	Seminar cum Special Lecture on “Fish Immunology” 19/11/15 Speaker: Mr. Tilak Saha, Assistant Professor of Zoology, University of North Bengal. Funded by: Asutosh College Seminar on 18/01/2016 on Coral reef ecology and how coral reef can increase the marine fish population Speaker: Dr C. Satyanarayana, Scientist ZSI. Funded by: Asutosh College	
	b) International:	NIL	

26.	Student profile programme/ course wise:						
	Name of the Programme: BSc (Major) with INDUSTRIAL FISH AND FISHERIES (UG)						
	Year	Application Rcvd	Selected	Enrolled		Pass Percentage	No. 1 st Class
				M	F		
	2015-16	459	74	43	31	100%	14 (1 ST , 2 ND , 3 RD)
	2104-15	328	64	40	24	100%	15 (1 ST , 2 ND , 3 RD)
	2013-14	266	59	35	24	100%	14
	2012-13	241	25	16	9	100%	15
NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year							
27.	Diversity of Students						
	Name of the Course: : BSc (Major) with INDUSTRIAL FISH AND FISHERIES (UG)						
	Year	% of Students from the same state		% of students from other States		% of students from abroad	
	2015-16	99%		1%		NIL	
	2014-15	97%		3%		NIL	
	2013-14	100%		NIL		NIL	
	2012-13	100%		NIL		NIL	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. NET: 01						
29.	Student progression:						
	Student Progression			Against % enrolled			
	UG to PG			20-25%			
	PG to M.Phil			-			
	PG to Ph.D			-			
	Employed			-			
	Campus Selection			-			
	Other than campus recruitment			-			
	Entrepreneurship/Self Employment			-			
30.	Details of Infrastructural facilities						
	(a) Library: The department has its departmental seminar library in addition to the central library facility. Departmental library is well maintained. It contains 119 books.						
	(b) Internet facilities for Staff & Students: Available. Details of the computer facility						

	are given below: Internet facility is available through BSNL Wi-Fi: students may use internet from their machine.	
	CONFIGURATION	NUMBER
	Intel(R) Core™ 2 Duo, RAM 1 GB, Hard Disc 250 GB	1
	(c) Class rooms with ICT facility: NIL	
	(d) Laboratories: 02 Instruments: <ol style="list-style-type: none"> Compound Microscope: 15 Simple Microscope: 02 Microtome: 01 Incubator: 01 Hot air oven, Autoclave: 01 Hot plate: 01 	
31.	Number of students receiving financial assistance from college, university, government or other agencies	From College
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	A special lecture was held on Fish Immunology by Prof. Tilak Saha, Assistant Professor, Dept. of Zoology, University of North Bengal on 19 th November, 2015. Seminar on 18/01/2016 on Coral reef ecology and how coral reef can increase the marine fish population. Speaker: Dr C. Satyanarayana, Scientist ZSI.
33	Teaching methods adopted to improve student learning:	
	Along with traditional chalk and talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> • Use of computer aided digital presentation method. • Special classes are regularly taken to address the problems of the weaker students. • One-to-one contact method with students for problem solving and answer correction. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	NAME	Social Responsibility (ISR) and Extension activities
	Ram Krishna Das	<ul style="list-style-type: none"> • Moderator: B. Voc. (Asutosh College) • Paper Setter: Zoology: PG (Asutosh College) • Examiner (CU)
	Satyam Kumar Kundu	<ul style="list-style-type: none"> • Moderator: B. Voc. (Asutosh College) • Paper Setter: Zoology: PG (Asutosh College) • Examiner and Paper Setter (UG and PG : CU)

35	SWOC analysis of the department and Future plans	
	Strengths:	This course is totally career oriented programme, so that every year industrial training are organised.
	Weaknesses:	Student-teacher ratio is less.
	Opportunities:	Most of the students are properly trained to take a job in industry or for self employment.
	Challenges:	Joint project should be launched in collaboration with state fisheries department and different industry.
	Future plans:	Rescheduling of the BSc curriculum as per modern technological advancement Introduction of PG courses in Industrial Fish and Fisheries.

ANNEXURE I: DEPARTMENT OF INDUSTRIAL FISH AND FISHERIES

LIST OF PUBLICATION BY FACULTY:

RAMAKRISHNA DAS:

1. Rama Krishna Das and Sudip Bhagat: Fishing Gears operated in lentic and lotic water bodies of Cooch Behar district, West Bengal India. Indian Journal of Traditional Knowledge, Vol 13(3), July 2014, pp 619-625. IF: 0.371, h-Index: 19, SJR: 0.3.

SATYAM KUMAR KUNDU:

1. Kundu, S. K., Sarkar, S. K. and Choudhury, A. 1987. Studies on epipelagic zooplankton with special reference to copepods in Hooghly and Saptamukhi river waters, West Bengal, India. Proc. Natn. Sem. Estuarine Management, Trivundrum, pp. 323-326.
2. Kundu, S. K. and Choudhury, A. 1993. Metal levels in zooplankton from Hooghly estuary, India. Current Science, 64 (2): 110-112. IF: 0.833, h-Index: 84, SJR: 0.32.
3. Chakrabarty, C., Kundu, S. K., Ghosh, P. B. and Choudhury, A. 1993. A preliminary study on certain trace metals in some plant and animal organisms from mangroves of Sundarbans, India. Mahasagar, 26 (1): 17-20.
4. Kundu, S. K., Lahiri, P. and Choudhury, A. 1996. Studies on zooplankton around Sagar Island, Hooghly estuary, India. Proc. Zool. Soc., Calcutta, 49(2): 107-118.
5. Kundu, S. K., Lahiri, P. and Choudhury, A. 1996. Copper, Zinc and Manganese in zooplankton from Hooghly estuary, India. Pollution Research, 15: (in press). IF: 0.21, h-Index: 20, SJR: 0.11.
6. Kundu, S. K., Lahiri, P. and Choudhury, A. 1996. A survey of environmental features in a section of the Hooghly-Matla estuarine system, West Bengal, India. Ecol. Env. & Cons. 2: 129-132. IF: 0.06, h-

Index: 10, SJR: 0.16.

7. Kundu, S. K. and Lahiri, P. 1998. An evaluation of toxic effects of water soluble fraction of crude oils used at Haldia Oil Refinery, West Bengal. Sustainable Development & Environment (ed. A. K. De, N. C. Datta, A. K. Mitra & T. R. Sinha), Cosmo Publication, India, 2: 291-296.
8. Kundu, S. K. and Lahiri, P. 1998. Composition of water soluble fractions of some crude oils used by Haldia Oil Refinery, West Bengal, India. Poll. Res. 17 (1): 95-97. IF: 0.21, h-Index: 20, SJR: 0.11.

EVALUATIVE REPORT **DEPARTMENT OF MATHEMATICS**

1.	Name of the department:	MATHEMATICS				
2.	Year of Establishment:	1916	Honours 1923-24			
3.	Names of Programmes/ Courses offered:	Under-graduate (UG) Programmes: B.Sc. (Honours) B.Sc. (General)				
4.	Names of Interdisciplinary courses and the departments/ units involved	ENVS (PG) Add-on				
5.	Annual/ semester/ choice based credit system (programme wise)	Under-graduate : Annual System as per University of Calcutta Norms				
6.	Participation of the department in the courses offered by other					
	Name of the course	Name of faculty			Participation	
	Add-on	Ashim Sarkar Nandan Ghosh			Teaching	
	B-Voc	Sukanta Bhunia			Teaching	
	ENVS (PG)	Dr. Phalguni Mukherjee			Teaching	
7.	Courses in collaboration with other universities, industries, foreign institutions etc.		NIL			
8.	Details of courses/ programmes discontinued (if any) with reasons		NIL			
9.	Number of Teaching posts		5			
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. guided
	Dr. Phalguni Mukherjee	Ph.D.	Associate Professor	Advanced Computer Science in Cybernatics	36 (Retired)	
	Apurba Ray	M.Sc.	Associate Professor	Computer Science & Cybernatics	28	

ASUTOSH COLLEGE SSR 2015

	Dr. Nilima Bhatta	Ph.D.	Associate Professor	Elasticity and Plasticity	32 (Retired on 31.01.2013)	Nil.
	Ashim Sarkar	M.Sc.	Assistant Professor	Operations Research	05	Nil
	Prabir Rudra	M.Sc.	Assistant Professor	Solid Mechanics, Astrophysics & Cosmology	0.5	Nil
	Sukanta Bhunia	M.Sc.	CWTT	Solid Mechanics, Fractal Mechanics, Numerical Solutions of ODE & PDE	07	Nil
	Nandan Ghosh	M.Sc.	CWTT	Real Analysis & Differential Geometry	02	Nil
	Piyali Guha	M.Sc, B.Ed	Guest lecturer	Real Analysis & Dynamical System	01	Nil
11.	List of senior visiting faculty			Dr. Sriharsha Baidya (retired Professor of Mathematics, Shyamaprasad Mookerjee College)		
12.	Percentage of lectures delivered by temporary faculty			22%		
13.	Student -Teacher Ratio (programme wise)			Session		UG
				2011-12		41:1
				2012-13		39:1
				2013-14		39:1
				2014-15		39:1
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled			Lab attendant (contractual) : 1		
15.	Qualifications of teaching faculty with D.Sc. Ph.D., MPhil, PG			Ph.D.: 2 PG: 6		

ASUTOSH COLLEGE SSR 2015

16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	
FACULTY	TITLE	GRANT
Dr Phalguni Mukherjee	Mathematical approaches to study some challenging problems of environmental sciences	UGC Minor Project Amount approved : Rs. 1,95,000/- Amount sanctioned: Rs. 1,42,500/- Amount spent: Rs. 1,42,680.94 Report submitted on 10.9.2015 (with auditor's report) Date of implementation of the project:17.11.2015
Ashim Sarkar	Title "A Brief history and development of abstract algebra: A case study on applications in different fields"	Research proposal funded by UGC (Amount Rs.3,03000/-)
	b. International	NIL
17.	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC
18.	Research Centre/ facility recognized by the University	NIL
19.	Publications: <ul style="list-style-type: none"> a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index 	

ASUTOSH COLLEGE SSR 2015

FACULTY	a	b1	b2	c	d	e	f	g	h	i	j	k	l
Dr. Nilima Bhatta	1	1											
Prabir Rudra	26		26									40.8	
Nandan Ghosh	3		3										
	Publications: Annexure-I Enclosed												
20.	Areas of consultancy and income generated: NIL												
21.	Faculty as members in:												
	Name of faculty		National committees				International Committees				Editorial Boards		
	NIL		NIL				NIL				NIL		
22.	Student projects												
a.	Percentage of students who have done in-house projects including inter departmental/ programme							NIL					
b.	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies							NIL					
23.	Awards/ Recognitions received by faculty and students:												
	Awards received by faculties: Nandan Ghosh <ul style="list-style-type: none">Awarded Prof. Jantindranath Mitra Scholarship of University of Calcutta for the year 2010.Awarded Dr. B. B. Dutta Memorial Scholarship of University of Calcutta for the year 2010. Awards received by students from the college (year wise):												
	Name			Award/Recognition								Year	
	Payel Karmakar			<ul style="list-style-type: none">Award by Dr. Dilip SenDhruba Narayan Bagchi Memorial Prize								2012-13	

ASUTOSH COLLEGE SSR 2015

	Sourav Kumar Giri	<ul style="list-style-type: none">Highest Marks in Test B.Sc. (H)				
	Chirantan Mondal	<ul style="list-style-type: none">Award by Dr. Dilip SenDhruba Narayan Bagchi Memorial Prize		2013-14		
	Soma Chatterjee	<ul style="list-style-type: none">Award by Dr. Dilip SenDhruba Narayan Bagchi Memorial Prize		2014-15		
24.	List of eminent academicians and scientists/ visitors to the department:					
	<div>1. Prof. Jyoti Das, Retd. Professor, University of Calcutta</div> <div>2. Prof. A.B.Roy, Retd. Professor, Jadavpur University</div> <div>3. Prof. Chittabrata Palit, Retd. Professor, University of Calcutta</div> <div>4. Prof. Mantosh Dasgupta, Retd. Professor, University of Calcutta</div> <div>5. Prof. Shyamal Chakraborty, Professor, University of Calcutta</div> <div>6. Prof. Sanjay Sen, Retd. Professor, University of Calcutta</div> <div>7. Prof. Rathin Mukherjee, Retd. Professor, University of Burdwan</div> <div>8. Prof. Mridul Kr. Sen, Retd. Professor, University of Calcutta</div> <div>9. Dr. Indranil Mukherjee, Professor, University of Calcutta</div> <div>10. Dr. Rajkumar Roychowdhury, Retd. Professor, ISI Calcutta</div> <div>11. Prof. Rabin Sen, Professor, University of Calcutta</div> <div>12. Prof. Shamik Ghosh, Professor, Jadavpur University</div> <div>13. Dr. Asok Das, Professor, University of Calcutta</div> <div>14. Prof. Joydeb Chattopadhyay, Professor, ISI, Calcutta</div> <div>15. Prof. Dilip Ganguly, Retd. Professor, University of Calcutta</div>					
25.	<div>Seminars/ Conferences/ Workshops organized & the source of funding</div> <div>a) National: UGC sponsored National Seminar on “Tribute To Sir Asutosh Mookerjee on 150th Birth Anniversary” organized by Asutosh Mookerjee Memorial Institute in collaboration with Asutosh College, Kolkata held on 8th and 9th November 2013).</div> <div>b) International: NIL</div>					
26.	Student profile programme/ course wise:					
	Name of the Programme: B.Sc. with MATHEMATICS (Honours) (UG)					
Year	Applicatn Received	Selected	Enrolled	Year	Pass %	No of 1 st Class
			M F			
2015-16	5471	91	77 14	2015-16	76.67	16
2014-15	4678	112	92 20	2014-15	83.75	29
2013-14	4180	115	95 20	2013-14	70.79	22

ASUTOSH COLLEGE SSR 2015

2012-13	3999	114	88	26	2012-13	77.14	5
NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year							
27.	Diversity of Students						
Name of the Course: : B.Sc. with MATHEMATICS (Honours) (UG)							
Year		% of Students from the same state		% of students from other States		% of students from abroad	
2015-16		100%		NIL		NIL	
2014-15		100%		NIL		NIL	
2013-14		100%		NIL		NIL	
2012-13		100%		NIL		NIL	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? Our college is an undergraduate institute. So, it is not applicable for our institution. However, ex-students of our institutions usually qualify NET, SLET and GATE. From different source information it has been known that about 10 students have cleared the NET/SET exams. In the last 5 years.						
29.	Student progression						
	Student progression	Against % enrolled					
	UG to PG	Almost 100%					
	PG to M.Phil.	40%					
	PG to Ph.D.	30%					
	Employed	Almost 100%					
	Campus selection	20%					
	Other than campus recruitment	70%					
	Entrepreneurship/ Self-employment	10%					
30.	Details of Infrastructural facilities						
	(a) Library: The department has its departmental seminar libraries separately managed for U.G. courses in addition to the central library facility. Departmental library is well maintained. No. Of books in Central Library: 361 No. Of books in Reading Library: 152 No. Of books in Seminar Library: 342						
	(b) Internet facilities for Staff & Students: Available. Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their						

	machine through Wi-Fi.	
	(c) Class rooms with ICT facility: Sharing LCD Projector with Electronics Department.	
	(d) Laboratories: Available. Equipped with 11 desktops, 2 laptops, 2 printers. Details of the computer facility are given below:	
	Configuration	No of Computer
	Desktop PC- Intel (R) Core -2 Duo CPU E4500@2.2GHz,0.99 GHz RAM	4Nos.
	Intel (R) Pentium® CPU G2020 @ 2.90 GHz 2.90 GHz RAM 2 GB operating system 32 bit Windows 7, LG 16" LED Monitor	7 Nos.
	HP Inkjet Printer cum Scanner	5 Nos.
	One DEL i3Laptop and One Lenovo i3	2 Nos.
	Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.	
31.	Number of students receiving financial assistance from college, university, government or other agencies:	Few students get financial assistance from college.
32.	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts: One	UGC sponsored National Seminar on “Tribute To Sir Asutosh Mookerjee on 150 th Birth Anniversary” organized by Asutosh Mookerjee Memorial Institute in collaboration with Asutosh College, Kolkata held on 8 th and 9 th November 2013).
33.	Teaching methods adopted to improve student learning:	
	<ul style="list-style-type: none"> Apart from regular class room teaching, the Department organizes special classes/lectures by eminent teachers/experts. One-to-one contact method with students for problem solving and answer correction. Arranging regular class tests. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: Students of the department are seriously involved in social works as members of the NSS team of the college. Some students are in the college unit of NCC. Students are also engaged in cultural activities. Some students regularly take part in sports and games and seminars.	
	Faculty:	
	Name of Faculty	Participation in Institutional Social Responsibility (ISR) and Extension activities:
	Apurba Ray	Moderator and Examiner of Hons. and Gen. Papers of Mathematics

	(CU) Bursar of Asutosh College
Ashim Sarkar	Examiner (CU) <ul style="list-style-type: none"> • Attended National Seminar on 'Mathematics and its Applications' organised by Department of Pure Mathematics, University of Calcutta during February 22-23, 2011. • Participated in UGC Sponsored Seminar 'Vivekananda: The Nation Builder' organised by Asutosh College in collaboration with The Ramkrishna Mission Institute of Culture on 4 and 5 February, 2013. • Attended National Seminar on Advances in Statistics Techniques and Applications' organised by Asutosh College in collaboration with Calcutta Statistical Association on 19 and 20 December, 2013.
Prabir Rudra	Examiner (CU) Examiner (PG, University of Burdwan) <ul style="list-style-type: none"> • Attended the School And Conference for <i>Analytical and Computational Astrophysics</i> in <i>International Centre For Theoretical Physics (ICTP), Trieste, Italy</i> in November, 2011. (Full financial support) • Participated in the IUCAA sponsored Workshop on <i>Observational aspects of Astrophysics and Cosmology</i> in the department of Physics, <i>Visva-Bharati, Santiniketan</i>, on 3rd and 4th November, 2014. (Travel support). • Participated in the UGC sponsored National Seminar on <i>Recent trends in Applicable Mathematics</i> organized by the departments of Mathematics, Statistics & Computer Science, <i>The Bhawanipur Education Society College, Kolkata</i>, in collaboration with <i>Indian Association of Productivity, Quality and Reliability (IAPQR)</i>, Kolkata on 24th April, 2015.
Sukanta Bhunia	Examiner (CU) Examiner (PG, University of Burdwan) <ul style="list-style-type: none"> • Attended National Seminar on 'Modelling, Analysis and Computations of Differential Equations' organised by Department of Applied Mathematics, University of Calcutta on 2 and 3 March 2011.
Nandan Ghosh	Examiner (CU) Examiner (PG, University of Burdwan)

		<ul style="list-style-type: none"> • Attended National seminar on “Recent Trends in Mathematics and Its Applications” held in the Department of Pure Mathematics , University of Calcutta on February 22, 2012. • Attended National seminar on “Recent Developments in Mathematics and Its Applications” held in the Department of Pure Mathematics , University of Calcutta, 35, Ballygunge Circular Road , kol-19, on March 12, 2014 . • Presented paper entitled “On three dimensional quasi-sasakian manifolds” at the “International Conference on Geometry and its Applications” held at the Department of Mathematics , Jadavpur University, Kolkata, India during October 16-18, 2014. • Attended National seminar on “Recent Advances in Mathematics and Its Applications” (RAMA 2015) held in the Department of Pure Mathematics , University of Calcutta, 35, Ballygunge Circular Road , kol-19, on March 12, 2015 . • Attended “International workshop on Differential Geometry (Foundation and Developments)” (IWDIFFGEO 2015) held in the department of Mathematics and Computer science at Sri Sathya Sai Institute of Higher Learning, Andhra Pradesh , on 10th to 11th July , 2015 • Attended Social awareness program named “ An Endeavour towards Developing Social Awareness” held at Barasat Govt. College, Government of West Bengal, Barasat, Kolkata-700124, during March 17-20, 2008.
	Dr. Sriharsha Baidya	Examiner (CU) Examiner (PG, University of Burdwan)
	Piyali Guha	Examiner (CU)
35.	SWOC analysis of the department and Future plans	
	STRENGTH	<ul style="list-style-type: none"> ○ Qualified Potential Staff. ○ Satisfactory computational facilities. ○ Staffs are interested in research activities and secure grant-in-aid from funding agencies like UGC ○ Results of the students are satisfactory. ○ Mathematics being useful in all spheres of life has great demand both in academic and professional field.
	WEAKNESS	<ul style="list-style-type: none"> ○ Insufficient space which particularly hinders the extension of classroom, laboratory research facilities. ○ Student: Teacher ratio is not sufficient to cope-up the day-to-day academic affairs. ○ Participation in seminars and conferences at national and international level by the faculty members is quite low.

		<ul style="list-style-type: none"> ○ Documentation of departmental activities is not done regularly.
	OPPURTUNITIES	<ul style="list-style-type: none"> ○ Can pursue higher studies both in the subject or others. ○ Scope of employment in various Government/Public/private jobs.
	CHALLENGES	<ul style="list-style-type: none"> ○ Organising campus recruitment events for B.Sc. final year students. ○ Securing more research projects in near future for upgradation of the research environment of the department. ○ Upgradation of the training to students for betterment of result in the university examinations. ○ Encouraging the B.Sc. students to compete for admission to the premier institutions like the IITs, ISM and other universities.
	FUTURE PLANS	<ul style="list-style-type: none"> ○ To develop our department as one of the best Mathematics Departments in the state of West Bengal. ○ Would arrange more special classes, tutorial classes by implementation of state-of-the art teaching methods to stop drop-out and for 100% success of the students in the University examinations. ○ Organising more seminars for the benefit of students. ○ Framing more research projects to secure research grants for augmentation of research in the department which may attract research fellows from students who will pass out for our department and also from other institutes. ○ Apply for infrastructural development grants from various granting agencies to develop the research facilities in the department. ○ Enhancing the quality of reference materials by upgrading the Departmental Library.

ANNEXURE-I

Dr. Nilima Bhatta

1. Thermoelastic Interactions in an Infinite Elastic Solid with Thermal Relaxation. Proc. Indian Natn. Sci. Acad. 47A, No. 4, 1981, pp. 499-509.

Prabir Rudra

1. **Prabir Rudra**, Ritabrata Biswas, Ujjal Debnath. Gravitational collapse in generalized Vaidya space-time for Lovelock gravity theory. ASTROPHYSICS AND SPACE SCIENCE (Springer) DOI 10.1007/s10509-011-0759-x. 335:505–513(2011), • ISSN: 0004-640X Impact factor: 2.401, arXiv: 1101.0386, SJR: 0.67.
2. **Prabir Rudra**, Ritabrata Biswas, Ujjal Debnath: Dynamics of modified Chaplygin gas in brane world scenario: phase plane analysis. ASTROPHYSICS AND SPACE SCIENCE (Springer) DOI 10.1007/s10509-011-0967-4. 339:53–64(2012), ISSN: 0004-640X. Impact factor: 2.401, arXiv: 1109.1481, SJR: 0.67.
3. **Prabir Rudra**, Ritabrata Biswas, Ujjal Debnath: Nature of singularity formed by the gravitational collapse in Husain space-time with electromagnetic field and scalar field. ASTROPHYSICS AND SPACE SCIENCE (Springer) DOI 10.1007/s10509-012-0975-z. 339:135–141(2012) • , ISSN: 0004-640X. Impact factor: 2.401, arXiv: 1203.1454, SJR: 0.67.
4. **Prabir Rudra**, Ritabrata Biswas, Ujjal Debnath: Presence of Dark Energy and Dark Matter: Does Cosmic Acceleration signifies a Weak Gravitational collapse? ASTROPHYSICS AND SPACE SCIENCE (Springer) • DOI: 10.1007/s10509-012-1194-3. 342:557–574 (2012), ISSN: 0004-640X. Impact factor: 2.401, arXiv: 1204.1485, SJR: 0.67.
5. **Prabir Rudra**: Possibility of cyclic Turnarounds In Brane-world Scenario: Phantom Energy Accretion onto Black Holes and its consequences. INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS (Springer) 51:3514–3525(2012) DOI 10.1007/s10773-012-1238-z, ISSN: 0020-7748. Impact factor: 1.188 arXiv: 1202.5669, SJR: 0.4.
6. Ratul Chowdhury, **Prabir Rudra** Interacting Generalized Cosmic Chaplygin gas in Loop quantum cosmology: A singularity free universe. INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS (Springer) 52:489–503(2013) DOI 10.1007/s10773-012-1353-x • . ISSN: 0020-7748. Impact factor: 1.188, arXiv: 1204.3531, SJR: 0.4.
7. Mubasher Jamil, D. Momeni, R. Myrzakulov, **Prabir Rudra**: Statefinder Analysis in $f(T)$ Cosmology. JOURNAL OF PHYSICAL SOCIETY OF JAPAN , 81 (2012). 114004 <http://dx.doi.org/10.1143/JPSJ.81.114004> ISSN: 0031-9015. Impact factor: 2.087, arXiv:

- 1211.0018, SJR: 0.72.
8. **Prabir Rudra**: Emergent Universe with exotic matter in Loop Quantum Cosmology, DGP Brane World and Kaluza-Klein Cosmology. MODERN PHYSICS LETTERS A. (World Scientific). Vol. 27, No. 33 (2012) 1250189 (15 pages). DOI: 10.1142/S0217732312501891. ISSN: 0217-7323. Impact factor: 1.198, arXiv: 1211.2047, SJR: 0.72.
 9. **Prabir Rudra**: Dynamics of Interacting Generalized Cosmic Chaplygin gas in Brane-world scenario. ASTROPHYSICS AND SPACE SCIENCE (Springer) 342:579–599(2012) DOI: 10.1007/s10509-012-1198-z. ISSN: 0004-640X. Impact factor: 2.401, arXiv: 1206.1767, SJR: 0.67.
 10. Ritabrata Biswas, **Prabir Rudra**, Ujjal Debnath: Accretion study of Generalized Cosmic Chaplygin gas: Fate of Black holes with “no-Big-Rip” Cosmology. Proceedings of the National Seminar on Astronomy & Astrophysics: Birth Centenary Tribute to S. Chandrasekhar (UGC sponsored)
 11. Chayan Ranjit, **Prabir Rudra**, Sujata Kundu: Observational constraint of modified Chaplygin gas in RS II brane. ASTROPHYSICS AND SPACE SCIENCE (Springer) 347:423–431, (2013). DOI 10.1007/s10509-013-1526-y. ISSN: 0004-640X. Impact factor: 2.401, arXiv: 1304.6713
 12. **Prabir Rudra**: Role of Generalized Cosmic Chaplygin gas in accelerating universe: A field theoretical prescription. MODERN PHYSICS LETTERS A. (World Scientific). Vol. 28, No. 22 (2013) 1350102 (15 pages). DOI: 10.1142/S0217732313501022. ISSN: 0217-7323. Impact factor: 1.338, arXiv: 1302.2911, SJR: 0.58.
 13. **Prabir Rudra**, Chayan Ranjit, Sujata Kundu: How effective is new variable modified Chaplygin gas to play the role of dark energy-A dynamical system analysis in RS II brane model. ASTROPHYSICS AND SPACE SCIENCE (Springer) 347:433–444(2013). DOI 10.1007/s10509-013-1531-1. ISSN: 0004-640X. Impact factor: 2.401, arXiv: 1303.4732, SJR: 0.67.
 14. **Prabir Rudra**, Ritabrata Biswas, Ujjal Debnath : Gravitational collapse in Husain space-time for Brans-Dicke gravity theory with power law potential. ASTROPHYSICS AND SPACE SCIENCE (Springer) 354: 597(2014). DOI 10.1007/s10509-014-2101-x. ISSN: 0004-640X. Impact factor: 2.401, arXiv: 1307.6603, SJR: 0.67.
 15. **Prabir Rudra**, Ujjal Debnath: Gravitational collapse with dark energy and dark matter in Horava-Lifshitz gravity. INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS (Springer) 53: 2668-2687 (2014) DOI 10.1007/s10773-014-2063-3. ISSN: 0020-7748. Impact factor: 1.188, arXiv: 1307.5823, SJR: 0.4.
 16. **Prabir Rudra**, Ujjal Debnath: Gravitational collapse in Husain space-time for Galileon gravity theory. CANADIAN JOURNAL OF PHYSICS (NRC Press) 92(11): 1474-1480 (2014) DOI 10.1139/cjp-2014-0111. ISSN: 0008-4204. Impact factor: 0.964, arXiv: 1402.0350, SJR: 0.29.

17. Chayan Ranjit, **Prabir Rudra**, Sujata Kundu: Dynamics of Modified Chaplygin gas in Einstein-Aether gravity. EUROPEAN PHYSICAL JOURNAL PLUS (Springer) 129: 208(2014) DOI 10.1140/epjp/i2014-14208-x. ISSN: 2190-5444 (Electronic Edition). Impact factor: 1.521, arXiv: 1408.4774, SJR: 0.24.
18. Chayan Ranjit, **Prabir Rudra**, Ujjal Debnath: Study of Some Parameters of Modified Chaplygin gas in Galileon Gravity theory from Observational Perspective. CANADIAN JOURNAL OF PHYSICS (NRC Press) 92: 1667–1675 (2014) DOI 10.1139/cjp-2014-0287. ISSN: 0008-4204. Impact factor: 0.964, arXiv: 1406.3043, SJR: 0.29.
19. **Prabir Rudra**: Loop Quantum effects on the Om diagnostics and its Cosmological Implications. CANADIAN JOURNAL OF PHYSICS (NRC Press) 93: 1-6 (2015) DOI 10.1139/cjp-2014-0499, ISSN: 0008-4204. Impact factor: 0.964, arXiv: 1410.6709, SJR: 0.29.
20. **Prabir Rudra**: Towards a possible solution for the coincidence problem: $f(G)$ gravity as background. INTERNATIONAL JOURNAL OF MODERN PHYSICS D (World Scientific) Vol. 24, No. 2 (2015) 1550013 (13 pages) DOI: 10.1142/S0218271815500133. ISSN: 0218-2718. Impact factor: 1.963, arXiv: 1411.3583, SJR: 0.72.
21. **Prabir Rudra**: Does $f(R,T)$ gravity admit a stationary scenario between dark energy and dark matter in its framework? EUROPEAN PHYSICAL JOURNAL PLUS (Springer) 130: 66 (2015), DOI: 10.1140/epjp/i2015-15066-8. ISSN: 2190-5444 (Electronic Edition). Impact factor: 1.521, arXiv: 1502.06861, SJR: 0.24.
22. **Prabir Rudra**: Addressing the cosmic coincidence problem in $f(T)$ gravity models. ASTROPHYSICS AND SPACE SCIENCE (Springer) 357:135 (2015) DOI: 10.1007/s10509-015-2365-9. ISSN: 0004-640X, Impact factor: 2.401, arXiv: 1410.6710, SJR: 0.67.
23. Chayan Ranjit, **Prabir Rudra**: Observational data fitting to constrain Variable Modified Chaplygin Gas in the background of Horava-Lifshitz Gravity. INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS (Springer), DOI: 10.1007/s10773-015-2701-4 ISSN: 0020-7748, Impact factor: 1.188, arXiv: 1505.05873, SJR: 0.4.
24. **Prabir Rudra**, Chayan Ranjit, Sujata Kundu: Red-shift parametrizations of dark energy and observational constraint on their parameters: Galileon gravity as background. MODERN PHYSICS LETTERS A. (World Scientific), ISSN: 0217-7323, Impact factor: 1.338, arXiv: 1506.05329, SJR: 0.58.
25. Chayan Ranjit, **Prabir Rudra**: Study of Some Cosmological Parameters for Interacting New Holographic Dark Energy Model in $f(T)$ Gravity. INTERNATIONAL JOURNAL OF MODERN PHYSICS D (World Scientific), Vol-25, No. 1 (2016) 1650008 (19 Pages), DOI: 10.1142/S0218271816500085, ISSN: 0218-2718, Impact factor: 1.963, SJR: 0.72.
26. Hyoyoung Choi, **Prabir Rudra**: Pair Creation Model of the Universe from Positive and Negative

Energy. ResearchGate DOI: 10.13140/RG.2.1.4009.9366, Proceedings of National Seminar on Recent Trends in Cosmology and Future Challenges (RTCFC), December 03-04, 2015, ISBN: 978-81-87687-61-4.

27. **Prabir Rudra**: Reconstruction of $f(R)$ gravity with ordinary and Entropy-corrected (m,n) -type Holographic dark energy model. Communications in Theoretical Physics (Chinese Physical Society and IOP Publishing Ltd.) 66 (2016) 149-154. Vol-66, No. 1, ISSN: 0253-6102, IF: 0.948, SJR: 0.49.
28. Prabir Rudra, Mir Faizal, Ahmed Farag Ali: Vaidya Spacetime for Galileon Gravity's Rainbow, Nuclear Physics B (Elsevier) 909, 725-736 (2016), DOI: 10.1016/j.nuclphysb.2016.06.002, ISSN: 0550-3213, IF: 3.735, SNIP: 1.383, SJR: 2.024.

Nandan Ghosh

1. **Nandan Ghosh** and Manjusha Majumdar (Tarafdar): On quasi conformally flat SP-Sasakian manifold. Vol 3, issue 2, February 2015, pp. 30-34, ISSN (online): 2321-4767, ISSN(print):2321-4759.
2. M. Tarafdar and **Nandan Ghosh**: On pseudo symmetric kahler manifold. European International Journal of Mathematics and Technology, Vol. 4, No. 3, march 2015, pp. 79-87, ISSN: 2304-9693.
3. **Nandan Ghosh**: On Kahler manifold .International Journal of Mathematical Sciences and Applications, July 2015, ISSN: 2230-9888, Impact factor: 1.318.
4. **Nandan Ghosh**: On Three dimensional Quasi-Sasakian manifolds. Tblisi Mathematical journal. Accepted for Publication for vol 2. Issue 2. 2015

EVALUATIVE REPORT **DEPARTMENT OF MICROBIOLOGY**

1.	Name of the department:	MICROBIOLOGY		
2.	Year of Establishment:	UG	2003	
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (Hons.)		
4.	Names of Interdisciplinary courses and the departments/ units involved	B.Voc (Industrial Aquaculture) ENVSc. P.G. Add-on (Hospital Waste Disposal Management)		
5.	Annual/ semester/ choice based credit system (programme wise)	UG Annual System as per University or Calcutta Norms		
6.	Participation of the department in the courses offered by other departments			
	COURSE	FACULTY	PARTICIPATION AS	
	B.Voc (Industrial Aquaculture)	Mr. Nirmalya Chakraborty	Teaching	
	ENVS P.G.	Dr. Kuntal Kanti Goswami	Teaching/ Examination	
	ENVS P.G.	Mrs. Parbatee Nag	Examination	
	Add-on (Hospital Waste Disposal Management)	Mrs. Nilanjana Bose	Teaching	
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil		
8.	Details of courses/ programmes discontinued (if any) with reasons	Nil		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		
		Associate Professor		
		Assistant Professor		

ASUTOSH COLLEGE SSR 2015

			CWTT	3	3	
			PTT	1	1	
			Guest Teacher		2	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD stdnts
Dr. Soma Halder		M.Sc, M.Tech, PhD	Assistant Professor	Botany (Microbiology, Plant Biotechnology)	14	-
Mr. Nirmalya Chakraborty		M.Sc, M.Phil	CWTT	Microbiology	12	-
Mrs. Parbatee Nag		M.Sc	CWTT	Biochemistry	12	-
Dr. Kuntal Kanti Goswami		M.Sc	CWTT	Microbiology and Cancer Immunology	2	-
Mrs. Nilanjana Bose		M.Sc	PTT	Microbiology	12	-
Dr. Aniruddha Sinha		M.Sc, PhD	Guest Teacher	Organic Chemistry	10	-
Mr. Chinmoy Saha		M.Sc	Guest Teacher	Genetics	1	-
Dr.Niloy Samaddar (2011- 2013)		M.Sc, PhD	Guest Teacher	Microbiology	1	-
Mrs. Antara Pal (2010-2014)		M.Sc	Guest teacher	Microbiology	4	-
11.	List of senior visiting faculty		Visiting Faculty		Institute	
			Nil		Nil	
12	Percentage of lectures delivered by temporary faculty		20%			
13.	Student -Teacher Ratio (programme wise)		Session	UG		
			2011-12	40:1		
			2012-13	29:1		
			2013-14	29:1		
			2014-15	31:1		

ASUTOSH COLLEGE SSR 2015

14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED				FILLED							
		GLI	Nil				Nil							
		Laboratory Assistant	1				1							
		Laboratory Attendant	2				2							
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD- 2 M.Phil-1 M.Sc-4												
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	National: 1 Project Name: Isolation of Potent antagonistic soil bacteria and their effect to prevent different plant disease producing fungus. Faculty Name: Mr. Nirmalya Chakraborty Sanctioned amount: 4.9 lacks												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC Scheme: UGC –Minor Project												
18.	Research Centre/ facility recognized by the University	Nil												
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Mr. Nirmalya Chakraborty		1		1										
Dr. Kuntal Kanti Goswami		10		10			1							
Mr. Chinmoy Saha				3										

PUBLICATION LIST : IN ANNEXURE TO DEPARTMENT OF MICROBIOLOGY			
20.	Areas of consultancy and income generated:	Nil	
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.		
	a) National Committees	Nil	
	b) International Committees	Nil	
	c) Editorial Board	Nil	
22.	Student projects		
a)	Percentage of students who have done in-house projects including inter departmental/ programme	30% of UG (Hons.) students do project on their own interest on different areas as follows: <ul style="list-style-type: none"> i. Antimicrobial activity of medicinal plants ii. Isolation and Characterisation of petroleum degrading bacteria. iii. Quorum sensing of bacteria 	
b)	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies	10% of UG (Hons.) students do project on their own interest on various fields in institutes like- CNCI NICED IPGMER	
23.	Awards/ Recognitions received by faculty and students:		
	AWARD RECEIVED BY STUDENTS		
	NAME	AWARD	SESSION
	Ananda Guha Majumder Subhodeep Das	19 th Dipta memorial Symposium ; (Science quiz competition) Position: First Prize	2011
	Soumya Sengupta Sohom Sanyal	20 th Dipta memorial symposium ; (Science quiz competition) Position : Second Prize	2012
	Ananya Banerjee, Binita Goswami, Mohona Mukherjee, Sayan Charaborty Abhrajyoti Chakrabarti, Aripriya Roy	National seminars on Modern Trends in Microbiology Chapter IX: St. Xavier's College (Poster Presentation) 1 st Position 2 nd runner up	2012
	Ananya Banerjee, Binita Goswami, Sujata Deb, Sazia Begum	National seminars on Modern Trends in Microbiology Chapter X: (Poster Presentation) 1 st position	2013

	Simanti Pal	Bhuban Chandra Paul Memorial and Roma Roy Memorial	2014-2015
	Debalina Halder	Bhuban Chandra Paul Memorial and Roma Roy Memorial	2013-2014
	Debayan Dey	Bhuban Chandra Paul Memorial and Roma Roy Memorial	2012-2013
	Ananda Guha Majumdar	Syama Prasad Mukherjee Memorial Prize Santanu Ghosh Memorial Prize Bhuban Chandra Paul Memorial and Roma Roy Memorial Prize	2011-2012
24.	List of eminent academicians and scientists/ visitors to the department:		
	i. Prof. Amal Kanti Pal; CU, Dept. of Botany ii. Prof. Maitryee Bhattacharya, CU, Biochemistry iii. Prof. Anirban Siddhanta, CU, Biochemistry iv. Dr. Sagarmoy Ghosh, CU, Microbiology v. Prof. Sanjay Ghosh; CU, Biochemistry vi. Dr. Aditi Nag Chowdhury; Lady Brabourne College, Microbiology		
25.	Seminars/ Conferences/ Workshops organized & the source of funding		
	a) National:	UGC sponsored seminar on present scenario and future prospects of Microbiology and Plant Biotechnology. 3 rd and 4 th March 2011. Workshop on 'Preparation and antimicrobial action of silver Nanoparticles and isolation and function of macrophages.' Arranged by Department of Microbiology and Biochemistry. Asutosh College (2 nd and 3 rd December 2015) Funded by College.	
	b) International:	NIL	

ASUTOSH COLLEGE SSR 2015

26.	Student profile programme/ course wise:							
	Name of the Programme: BSc with Microbiology (Honours) (UG)							
	Year	Applicatn Received	Selected	Enrolled		Year	Pass %	No. 1 st Class
				M	F			
	2015-16	3045	54	15	39	2015-16	96.88%	19
	2014-15	1875	83	31	52	2014-15	100%	18 (1 ST , 2 ND)
	2013-14	2216	56	26	30	2013-14	100%	19
	2012-13	2105	51	20	31	2012-13	100%	19 (1 ^S)
NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year								
27.	Diversity of Students							
	Name of the Course: : BSc with MICROBIOLOGY (Honours) (UG)							
	Year	% of Students from the same state			% of students from other States		% of students from abroad	
	2015-16	98%			2%		NIL	
	2014-15	100%			NIL		NIL	
	2013-14	100%			NIL		NIL	
	2012-13	92%			4%		4%	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. NET - 2014- Nil, 2013- Nil, 2012- 6, 2011- 9 GATE- 2014- Nil, 2013- Nil, Civil Service -1							
29.	Student progression:							
	Student Progression				Against % enrolled			
	UG to PG				Above 95%			
	PG to M.Phil				Nil			
	PG to Ph.D				50%			
	Employed				30%			
	Campus Selection				NIL			
	Other than campus recruitment				By self searching			
	Entrepreneurship/Self Employment				NIL			
30.	Details of Infrastructural facilities							
	(a) Library: Central library:428 Reading Library: 29 Seminar Library: 313							

(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:		
CONFIGURATION		NUMBER
Laptop: Intel core i3 2 nd generation, RAM 2GB DDR3, HDD 500GB Windows 8		1
Desktop: Intel core i3-3220 3 rd generation, RAM 4GB DDR3, Mother Board – Intel		1
(c) Class rooms with ICT facility: ONE		
(d) Laboratories: 1		
Mono ocular compound microscope (No.20), Autocleave (No. 2), 4°C freeze (No. 3), -20°C freeze (No. 1), Water bath (No. 2), Laminar air flow chamber (No. 1), Hot air oven (No. 1), Incubator (No. 3), P ^H Meter. (No. 2), Distillation chamber (No. 1), Digital balance (No. 2), Cold centrifuge(No. 1), Centrifuge (No. 1), Spin win (No. 1), Binocular microscope (No. 1) Vortex (No. 1), Gel casting tray (No. 2), Power pack (No. 4), UV transilluminator (No. 2) Micrometer (No. 10), Haemocytometer (No. 10)		
31.	Number of students receiving financial assistance from college, university, government or other agencies	Not applicable for our department as it is self financed, instalment available.
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	<p>i) Career Counselling programme on 13th September 2015 Industrial Representative: Dr. M.K. Basu from Nitrofix Research Representatives: a) Ipsita Guha (CNCI) b) Chinmoy Saha (C U) c) Sreemoyee Sarkar (WBUT) d) Shrestha Ghosh (Bose Institute)</p> <p>ii) 2 days workshop on “ Preparation and antimicrobial action of silver nanoparticles and isolation and function of macrophages on 2-3 December 2016 Resource Persons: Dr. Aditi Nag Chaowdhury Dr. Rini Roy</p> <p>iii) Cancer Awareness Programme on 07/01/2016 Medical Perspective:</p>

		Dr. Vikram Chaturvedi Research Perspective: Dr. Manas Ranjan Ray Poster presentation by students iv) Extension Lecture on Microbiology Practical by Dr. Aditi Nag Chowdhury
33	Teaching methods adopted to improve student learning:	
	Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> • Audio Visual method • Special classes are regularly taken to address the problems of the weaker students. • Small research based home assignments are provided to students time to time. • Extempore given by students on study topics. • Collection of advanced news regarding the subject. • Students have assigned time to take books from departmental library to enrich their knowledge. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	NAME	Social Responsibility (ISR) and Extension activities
	Mr. Nirmalya Chakraborty	Examiner and Scrutiniser: Internal Examiner and External examiner of CU (UG) Microbiology. Examiner and Scrutinizer for Food and Nutrition (Hons.). Examiner and Scrutinizer for Microbiology (Hons.) Paper IIIA External examiner for ENVS (Hons.) Examiner For West Bengal State University. Examiner for Clinical Nutrition. (CU)
		Paper setter : C.U. Microbiology (Gen) R.K. Mission Vidyamandir Microbiology (Hons.)
		Moderator: R.K. Mission Vidyamandir Microbiology (Hons.)
		Teaching in other colleges: C.U. Home science department (Food and Nutrition Hons.) Vidyasagar University Distance ENVS PG course at Jogomaya Devi Centre. Asutosh College B.Voc course of Industrial Aquaculture.
		Seminar:

		<p>UGC sponsored seminar on Present Scenario and future prospects of Microbiology (2011)</p> <p>Symposium on Challenges of teaching microbiology in UG syllabus (2011) organised by University of Calcutta.</p> <p>Microbial structuring and its role in marine and other ecosystem functioning. CU. Biochemistry. (2014).</p> <p>Career Counselling programme. Arranged by Dept. Of Microbiology Asutosh College. On 13th September 2015</p> <p>Workshop on 'Preparation and antimicrobial action of silver nanoparticles and isolation and function of macrophages.' Arranged by Department of Microbiology and Biochemistry. Asutosh College (2nd and 3rd December 2015)</p> <p>UGC sponsored Half Day seminar on Recent research prospects in Microbiology Organised By R.K.MissionVidyamandir (2012)</p> <p>Workshop on Microbiology Syllabus (UG) in R.K .Mission Vidyamandir.(2014)</p>
	Mrs. Parbatee Nag	<p>Examiner and Scrutinizer: Internal Examiner and External examiner for CU Microbiology Scrutinizer for Food and Nutrition (Hons.). External examiner for ENVS (M.Sc.)</p> <p>Paper Setter: Part II Microbiology (Gen)</p>
		<p>Teaching in Other Colleges: Behala Vivekanada College for Vidyasagar University Distance Education : 2010, 2011.</p> <p>Seminars: UGC sponsored seminar on Present Scenario and future prospects of Microbiology (2011)</p> <p>Symposium on Challenges of teaching microbiology in UG syllabus (2011) organised by University of Calcutta.</p>

		<p>Microbial structuring and its role in marine and other ecosystem functioning. CU. Biochemistry. (2014).</p> <p>Career Counselling programme. Arranged by Dept. Of Microbiology Asutosh College. On 13th September 2015</p> <p>Workshop on 'Preparation and antimicrobial action of silver nanoparticles and isolation and function of macrophages.' Arranged by Department of Microbiology and Biochemistry. Asutosh College (2nd and 3rd December 2015)</p> <p>UGC sponsored National Seminar on Modern Biology and its impact on public health (2012)</p>
	Dr. Kuntal Kanti Goswami	<p>Examiner and Scrutiniser: Internal and external examiner for CU, UG Microbiology Internal Examiner for ENVS (M.Sc part I) Practical Examination Scrutiniser for UG part-II (Gen) Examination.</p> <p>Paper Setter: Part II Microbiology (Gen)</p> <p>Teaching in Other Colleges: BehalaVivekananda College for Vidyasagar University Distance Education : 2013, 2014.</p> <p>Seminars and Workshops: <u>Paper Presentations:</u> 30th Annual Convention of Indian Association for cancer research and International Symposium on signalling network and Cancer at IICB (2011). National conference on Interface of science and environment: (Scienviron 2011).Tropical Medicine. 39th annual conference of Indian immunological society, BHU (2012) One day symposium on Cancer awareness Day . CNCI. (2014)</p> <p><u>Workshops Attended:</u> National workshop on use of RDT in modern biotechnological research. NIT, Durgapur. 2013</p> <p>CME cum workshop on Stem cell therapy and research, NSC Bose Cancer research Institute. 2011</p>

		<p>Microbial structuring and its role in marine and other ecosystem functioning. CU. Biochemistry. 2014.</p> <p>Career Counselling programme. Arranged by Dept. Of Microbiology Asutosh College. On 13th September 2015</p> <p>Workshop on 'Preparation and antimicrobial action of silver nanoparticles and isolation and function of macrophages.' Arranged by Department of Microbiology and Biochemistry. Asutosh College (2nd and 3rd December 2015)</p>
	Mrs. Nilanjana Bose	<p>Engaged in Pathological laboratory for Malarial parasite diagnosis.</p> <p>Career Counselling programme. Arranged by Dept. Of Microbiology Asutosh College.</p>
35	SWOC analysis of the department and Future plans	
	Strengths:	<p>The department from the beginning has been blessed with the efficient academicians from diverse fields of expertise and research background which includes Botany, Chemistry, Biochemistry, Biophysics, Microbiology, Molecular biology, Genetics and Immunology.</p> <p>The main focus for all the faculty members is to create a lucid scientific background for students which will help them in their future research or lab based job profiles.</p> <p>Apart from regular lectures the department expose students with new smart class based studies where topics are clarified using animations and study related videos.</p> <p>The department has a collection of all the modern instruments needed for successful learning of present day Microbiological scenario.</p>
	Weaknesses:	<p>Due to vast academic activities of the college at times getting class rooms with adequate space becomes difficult.</p> <p>High student to teacher ratio also sometimes makes it difficult as per individual care is concerned.</p>
	Opportunities:	<p>Since apart from regular syllabus oriented practical's we expose students with various interesting project works where they get the flavour of research at UG level. A separate</p>

		laboratory could be created to take this initiative in a broader level so that many interested students can be given such opportunities. Departmental teachers are constantly in process of getting projects from various funding agencies which will enhance the departmental research as well help procuring new and advanced instruments.
	Challenges:	The department always emphasise on research based learning for students so that they grow interest for research in future to serve the society better from the Microbiological perspective.
	Future plans:	The department would like to open Post graduate course in near future. The department is also interested to tie up with industry so that the students can get chance there for job and research.

ANNEXURE I: DEPARTMENT OF MICROBIOLOGY

LIST OF PUBLICATION BY FACULTY

KUNTAL KANTI GOSWAMI

1. **Goswami KK**, Barik S, Banerjee S, Bhowmick AK, Biswas J, Bose A, Baral R. Supraglottic laryngeal tumor microenvironmental factors facilitate STAT3 dependent pro-tumorigenic switch in tumor associated macrophages to render utmost immune evasion. *Immunol Lett.* 2013; 156(1-2):7-17. IF: 2.512, h-Index: 74, SJR: 1.23.
2. **Goswami KK**, Barik S, Sarkar M, Bhowmick A, Biswas J, Bose A, Baral R. Targeting STAT3 phosphorylation by neem leaf glycoprotein prevents immune evasion exerted by supraglottic laryngeal tumor induced M2 macrophages. *MolImmunol.* 2014 Jun;59(2):119-27. IF: 3.375, SNIP: 0.882, SJR: 1.524.
3. AtanuMallick, SubhasisBarik, **Kuntal Kanti Goswami**, Saptak Banerjee, Sarbari Ghosh, Koustav Sarkar, Anamika Bose, Rathindranath Baral (2013). Neem Leaf Glycoprotein Activates CD8+ T Cells to Promote Therapeutic Anti-Tumor Immunity Inhibiting the Growth of Mouse Sarcoma. *PLoS One* 8(1): e47434. IF: 3.54, h-Index: 181, SJR: 1.39.
4. Krishnendu Chakraborty, Anamika Bose, **Kuntal K. Goswami**, Kalyan K. Mukherjee, Shyamal Goswami, Diptendu Ghosh, Tathagata Chakraborty, KoustavSarkar, Smarajit Pal, AnupBhowmick, JaydipBiswa, RathindranathBaral (2012). Dysregulated CC receptor/ligand in

monocytes/macrophages from tongue squamous cell carcinoma patients is partially rectified by interferon -2b. *Human Immunology* 73: 38-47. IF: 2.127, h-Index: 79, SJR: 0.9, SNIP: 0.718.

5. Tathagata Chakraborty, Anamika Bose, **Kuntal Kanti Goswami**, ShyamalGoswami, Krishnendu Chakraborty, Rathindranath Baral (2012). Neem leaf glycoprotein suppresses regulatory T cell mediated suppression of monocyte/macrophage functions *International Immunopharmacology* 12: 326–333. IF: 2.472, h-Index: 82, SJR: 0.941, SNIP: 0.935.
6. Tathagata Chakraborty, Anamika Bose, Subhasis Barik, **Kuntal Kanti Goswami**, Saptak Banerjee, Shyamal Goswami, Diptendu Ghosh, Soumyabrata Roy, Krishnendu Chakraborty, Koustav Sarkar, RathindranathBaral (2011). Neem leaf glycoprotein inhibits CD4+CD25+Foxp3+Tregs to restrict murine tumor growth. *Immunotherapy* 3(8), 949–969. IF: 2.083, h-Index: 25, SJR: 0.67, SNIP: 0.477.
7. Soumabrata Roy, Shyamal Goswami, Anamika Bose, **Kuntal Kanti Goswami**, koustav Sarkar, Krishnendu Chakraborty, Tathagata Chakraborty, Samarjit Pal, AtanuHaldar, parthasarathiBasu, Jaydip Biswas (2011). Defective dendritic cell generation from monocytes is a potential reason for poor therapeutic efficacy of interferon a2b (IFNa2b) in cervical cancer *Translational Research* 158 (4): 200-213. IF: 5.03, h-Index: 74, SJR: 1.81, SNIP: 1.169.
8. Barik S, Banerjee S, Mallick A, **Goswami KK**, Roy S, Bose A, Baral R (2013). Normalisation of tumor microenvironment by neem leaf glycoprotein potentiates effector T cell functions and therapeutically intervenes in the growth of mouse sarcoma. *PLoS One(in press)*. IF: 3.54, h-Index: 181, SJR: 1.39.
9. Anamika bose, Subhasis Barik, Saptak Banerjee, Tithi Ghosh, Atanu Mallick, Suchandra Bhattacharya Majumdar, **KuntalKantiGoswami**, AvishekBhuniya, Sayantan Banerjee, rathindranathBarl, Walter Storkus, Parthasarathi Dasgupta, Subrata Majumdar (2013). Tumor-derived vascular pericytesanargises T helper cells. *Journal of Immunology*. IF: 4.92, h-Index: 311, SJR: 3.55, SNIP: 1.332.
10. Sen A, **Goswami KK**, Mallick A, Saxena AK, Sanyal U, Baral R. In vitro and in vivo evaluation of 2-chloroethylnitrosourea derivatives as antitumor agents. *ExpOncol*. 2015 Mar; 37(1):23-9. IF: 1.24

NIRMALYA CHAKRABORTY

1. Debanjana Biswal, Nikhil Ranjan Pramanik, Syamal Chakrabarti, **Nirmalya Chakraborty**, Krishnendu Acharya, Sudhanshu Sekhar Mandal, Saktiprosad Ghosh, Michael G. B. Drew, Tapan Kumar Mondale and Sujana Biswas. Lewis base controlled supramolecular architectures via non-

covalent interactions of dioxomolybdenum(VI) complexes with an ONS donor ligand: DFT calculations and biological study. *New Journal Of Chemistry* 2015;39, 2778. IF: 3.277, h-Index: 95, SJR: 0.99.

CHINMOY SAHA

1. Das, S., Sen, M., **Saha, C.**, Chakraborty, D., Das, A., Banerjee, M., and Seal, A. 2011. Isolation and expression analysis of partial sequences of heavy metal transporters from *Brassica juncea* by coupling high throughput cloning with a molecular fingerprinting technique. **Planta** 234(1): 139-156. doi: 10.1007/s00425-011-1376-1. IF: 3.347, h-Index: 121, SJR: 1.47, SNIP: 1.118.
2. Ghosh, U.D., **Saha, C.**, Maiti, M., Lahiri, S., Ghosh, S., Seal, A., and Ghosh, M.M. 2014. Root associated iron oxidizing bacteria increase phosphate nutrition and influence root to shoot partitioning of iron in tolerant plant *Typha angustifolia*. **Plant Soil** 381(1-2): 279-295. doi: 10.1007/s11104-014-2085-x. IF: 3.42, h-Index: 131, SJR: 1.41.
3. **Saha C**, Seal A (2015) Early changes in shoot transcriptome of rice in response to *Rhodotorulamucilaginosa* JGTA-S1. **Genomics Data** 6:237-240. doi:10.1016/j.gdata.2015.09.023. IF: 0.52, h-Index: 4, SJR: 0.23.

CHAPTER IN BOOKS:

1. Tumor and its Environment: Effort by Neem Leaf Glycoprotein to keep it Green. Subhasis Barik, **Kuntal Kanti Goswami**, Atanu Mallick, Saptak Banerjee¹, Anamika Bose and Rathindranath Baral. *Bioactive Phytochemicals: Perspectives for Modern Medicine* Vol. 2

EVALUATIVE REPORT **DEPARTMENT OF PHYSICS**

1.	Name of the department:	PHYSICS		
2.	Year of Establishment:	1925		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (Honours) UG (General)		
4.	Names of Interdisciplinary courses and the departments/ units involved	Electronics (Hons.) ENVSc. (PG) B. Voc.(Software Development)		
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System in UG level as per University of Calcutta Norms		
6.	Participation of the department in the courses offered by other departments			
	COURSE	FACULTY	PARTICIPATION AS	
	ENVS (PG)	Manorama Chatterjee	Member BOS	
	Electronics (Hons.)	ManidipaKahali	Coordinator / HOD	
	Electronics (Hons.)	Arpita Bose	Teacher and Examiner Teacher in WBCS Courses	
	Electronics (Hons.)	RahamatullaMolla	Teacher and Examiner	
	B.Voc (Software Development)	SurjyaSarathi Bhattacharyya	Teacher and Examiner	
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		
		Associate Professor	3	3
		Assistant Professor	4	1
		Graduate Laboratory Instructor (SG)	1	1
		CWTT	2	2
		PTT	1	1

ASUTOSH COLLEGE SSR 2015

		Guest lecturer	2	2		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualific ation	Designation	Specialization	No. of Years of Exp.	No. of PhD students
Mainak Gupta		Ph. D	Associate Prof. (Retired on 31.02.2011)	Nuclear Physics	37	Nil
Angshutosh Khan		M.Sc	Associate Prof. (Retired on 31.12.2012)	Cond. Matter	33	Nil
Bikash Chandra Pal		M. Sc	Associate Prof. (Retired on 31.01.2013)	Cond. Matter	35	Nil
Manorama Chatterjee		Ph. D.	Associate Prof.	Bio. Physics	23	Nil
Manidipa Kahali		Ph. D.	Associate Prof.	Atomic Physics	20	Nil
Arundhuti Bhattacharyya		Ph. D.	Associate Prof.	Electronics	29	Nil
Debasish Chakraborty		M.Sc	GLI (SG)	Physics	26	Nil
SurjyaSarathi Bhattacharyya		Ph. D.	Assistant Prof.	Soft Cond. Matter	3	Nil
Arpita Bose		Ph. D.	CWTT	Electronics	10+	Nil
ChirantanaBhattacharjee		M.Sc.	CWTT	Material Science	5	Nil
Rahamatulla Molla		M. Phil	PTT	Electronics	4	Nil
Sayantani Das		M.Sc	Guest Lecturer	Cond. Matter	4	Nil
Papiya Saha		M.Sc	Guest Lecturer	-	1	Nil
11.	List of senior visiting faculty		Visiting Faculty		Institute	
			Prof. Angshutosh. Khan		Retd. Prof. Dept. of Physics Asutosh College	
			Prof. Bikash Chandra Pal		Retd. Prof Dept. of Physics Asutosh College	
			Prof. Ruma Sengupta		Retd. Associate Professor St. Pauls College	

ASUTOSH COLLEGE SSR 2015

12	Percentage of lectures delivered by temporary faculty	17.5%		
13.	Student -Teacher Ratio (programme wise)	Session	UG	
		2011-12	28:1	
		2012-13	32:1	
		2013-14	36:1	
		2014-15	44:1	
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED	FILLED
		GLI	1	1
		Laboratory Assistant	1	1
		Laboratory Attendant	7	7
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 5 MPhil: 1 PG : 4		
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Principal Investigator: Dr. Arpita Bose Name of the funding agency: UGC Grant detail: Minor Research Project (PSW-031/14-15) Title of the project: "Study of Ionospheric Effects on GPS" Date of Implementation: 28/4/15 Duration: 2 Years Grant Sanctioned and Received: 4.25 Lac		
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC		
18.	Research Centre/ facility recognized by the University	NIL		

19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index														
	FACULTY	a	b1	b2	c	d	e	f	g	h	i	j	k	l	
	Mainak Gupta	2													
	Angshutosh Khan	4													
	Manorama Chatterjee	17	5	11			1								
	Manideepa Kahali	3													
	Arundhuti Bhattacharya	8													
	Surjya Sarathi Bhattacharyya	18		18									43.25		
	Sayantani Das	8		8									12.52		
	Arpita Bose	9	5	4									5.1		
	PUBLICATION LIST : In ANNEXTURE I														
	20.	Areas of consultancy and income generated:					NIL								
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.														
	a)National Committees					Dr. Manorama Chatterjee : Member of Indian Photobiology society.Life member of IACS. Dr Surjya Sarathi Bhattacharyya: Life member of IACS, ISC, IPS, ISTA Rahamatulla Molla: Life member of IACS, ISC, IPS.									
	b) International Committees					NIL									
	c) Editorial Board					NIL									
22.	Student projects														
a)	Percentage of students who have done in-house projects including inter departmental/ programme					NIL									

ASUTOSH COLLEGE SSR 2015

b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	NIL		
23.	Awards/ Recognitions received by faculty and students:			
	Awards received by students			
	NAME	AWARD	SESSION	
	Pratik Ghosal	Prof. Chittaranjan Basu Memorial Prize	2012-13	
	Rimi Banerjee	Prof. Amal Kumar Ray Choudhuri Memorial Prize	2012-13	
	Rahul Saha	Acharya SatyendraNath Bose Memorial Prize	2012-13	
	Rahul Saha	Highest Marks in Physics (H) (P. C. Kundu Award)	2012-13	
	Srijita Sinha	2 nd Highest Marks in Physics (H) (P. C. Kundu Award)	2012-13	
	Soumik Samui	Prof. Chittaranjan Basu Memorial Prize	2013-14	
	Subhadeep Jana	Prof. Amal Kumar Ray Choudhuri Memorial Prize	2013-14	
	Rimi Banerjee	Acharya Satyendra Nath Bose Memorial Prize	2013-14	
	Rimi Banerjee	Highest Marks in Physics (H) (P. C. Kundu Award)	2013-14	
	Saini Hossain	2 nd Highest Marks in Physics (H) (P. C. Kundu Award)	2013-14	
	Sukanya Sinha	Debate VECC (2014)	2014	
	Sukanya Sinha	CMC Fest Debate (Best Speaker)	2014	
	Surajit Basak Premarun Barik	Quiz Sci. Phys (Narendrapur Ramkrishna Mission)	2015	
	Ishita Ghorai	Chittaranjan Basu Memorial prize	2014-15	
	Indrajit Sahu	Prof. Amal Kumar Ray Choudhuri Memorial Prize	2014-15	
	Siddhartha Dam	Acharya Satyendra Nath Bose Memorial Prize	2014-15	
	24.	List of eminent academicians and scientists/ visitors to the department:		
		1. Prof. Dipak Ghosh, Emeritus Prof. Jadavpur University (11.9.2015)		
		2. Dr Biswarup Mukhopadhyay, Professor H+:Harish Chandra Research Institute, Allahabad (24.11. 15).		
		3. DrAnirban Kundu, Professor, Calcutta University, Kolkata (30.11.15).		
4. D.P.I team visited department on 17.02.2014.				

ASUTOSH COLLEGE SSR 2015

	5. Prof. Sourish Banerjee, Prof. Calcutta University-2013. 6. Dr. Salil Biswas, Member of Board of Studies (Calcutta University) -2011. 7. Dr. Anindya Dutta, Prof. Calcutta University-2011.							
25.	Seminars/ Conferences/ Workshops organized & the source of funding							
	a) National:			NIL				
	b) International:			NIL				
26.	Student profile programme/ course wise:							
	Name of the Programme: BSc with PHYSICS (Honours) (UG)							
	Year	Appli Received	Selected	Enrolled		Year	Pass %	No. 1st Class
				M	F			
	2015-16	6273	118	101	17	2015-16	76.54	29
	2014-15	5478	150	124	26	2104-15	88.41	28
	2013-14	3379	129	100	29	2013-14	87.32	34
	2012-13	3569	128	95	33	2012-13	84.44	21
	NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year							
27.	Diversity of Students							
	Name of the Course: : BSc with PHYSICS (Honours) (UG)							
	Year	% of Students from the same state			% of students from other States		% of students from abroad	
	2015-16	99%			1%		NIL	
	2104-15	100%			NIL		NIL	
	2013-14	100%			NIL		NIL	
	2012-13	100%			NIL		NIL	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: As the Department is with UG course, Data not available in the Department.							
29.	Student progression:							
	Student Progression				Against % enrolled			
	UG to PG				95%			
	PG to M.Phil				Data not available			
	PG to Ph.D				Data not available			
	Employed				Mostly employed			
	Campus Selection				Data not available			
	Other than campus recruitment				Exact data not available			
	Entrepreneurship/Self Employment				Data not available			
30.	Details of Infrastructural facilities							
	(a) Library: Apart from general we have the departmental seminar library with almost all the text referred in the C. U. syllabus: Two journals are also available for teachers and students. Central library: 417 books							

Seminar library: 801books. Reading library: 170 books		
(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below: Wi-fi connection has been set up in physics laboratory.		
CONFIGURATION		NUMBER
Desktop: Intel(R)Core™2 Duo Processor CPU@2.20GHz, 1GB RAM, 160 GB HDD		10
Laptop: Intel core (TM)i3-3110M CPU@ 2.40GHz, 2 GB RAM, windows 7		16
(c) Class rooms with ICT facility: ONE		
(d) Laboratories: Honours and General Laboratories are accessible to students and staffs. We have four laboratories (3 for Gen. & 1 st year Hons.) and one for 2 nd year & 3 rd year Hons., with following major instruments. C.R.O -5, A.C voltmeter -2 , Function generator (Digital)- 4, (Analog)- 3, Power supply of different ranges- 50, Spectrometer –(Research grade)-1, Ordinary-9, Optical Bench and accessories for various -5, Gauss Meter -1, Platinum Resistance Thermometer- 5, Multi-meters of Different Ranges- 30, Metravi make-4, Suspended coil Galvanometer (Dead beat -8 and Ballestic-6), Gratings & optical instruments-10 Laser Source-1, Photo Detector-1, Digital Balance, Travelling Microscope-10, Magnetometer set up-6Multi-channel single frequency GNSS receiver (made in Japan) with antenna, connectors and supporting software. H P Z230 Tower Workstation., External Hard Drive(Seagate)-1TB., Printer Deskjet-(Print, Scan, Copy & wireless facility)-(HP), Digital Storage oscilloscope (TEKTRONIX)., , & other electronic, electrical and non-electrical accessories for practical and experiment for general and honours laboratories.		
31.	Number of students receiving financial assistance from college, university, government or other agencies	Few poor and meritorious students avail free studentship or half free studentship. Data available in the college office
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	III year students perform in house workshop under the guidance of Prof. Bikash Ch. Pal once in a year Thoughts of Rabindranath -150 th birth anniversary by Dr. Subhankar Chakraborty and Dr.Angsutosh Khan. In association with Paschimbanga Bigyan Mancha. Departmental seminars and lectures are

		<p>arranged from time to time for the students.</p> <p>Lectures by Eminent Speakers:</p> <ol style="list-style-type: none"> 1. “Matter, Dark Matter, Does Not Matter” by Dr. Dipak Ghosh, Emeritus Professor Jadavpur University on 11.09.2015 2. “Higgs, Boson Saga God Particle Myth” by Dr. Biswarup Mukhopadhyay, Professor H+ Harish Chandra Research Institute on 24.11.2015 3. “Light from Very Small to Very Big” celebrating International Year of Light by Prof. Anirban Kundu, Professor Dept. of Physics , University of Calcutta on 30.11.2015 4. “Large Hadron Collider” by Prof. Satyaki Bhattacharyya, Associate Professor, Dept. of High Energy Physics ,Saha Institute of Nuclear Physics on 15.12.2015 5. College Seminar on 8th January,2016 paying homage to Dr. A.P. J. Abdul Kalam 6. “ Structural Bioinformatics of DNA and RNA” by Dr Dhananjay Bhattacharyya (HOD) Computational Sciences Division, Saha Institute of Nuclear Physics on 1. 02.2016
33	Teaching methods adopted to improve student learning:	
	<ul style="list-style-type: none"> • Traditional lecture methods using chalk and blackboard. • Question answer sessions. • Class-room interaction and discussions. • Tutorials and Group Discussions. • Sometimes lectures have been arranged through power point projection for student’s interest. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: Detail in ANNEXURE II	
	NAME	Social Responsibility (ISR) and Extension activities

	Manorama Chatterjee	Paper Setter and Internal Examiner and External examiner of CU (UG) Physics Paper Setter of West Bengal School Service Examination
	ManidipaKahali	Internal Examiner and External examiner of CU (UG) Physics
	Arundhuti Bhattacharya	Internal Examiner of CU (UG) Physics
	Surya Sarathi Bhattacharya	Internal Examiner and External examiner of CU (UG) Physics Seminar Conference Attended: National: 11 International: 6
	Arpita Bose	Internal Examiner and External examiner of CU (UG) Physics Seminar Conference Attended: National: 5 International: 5 Presented Paper: 3
	Chirantana Bhattacharjee	Internal Examiner of CU (UG) Physics
	Rahamatulla Molla	Internal Examiner and External examiner and scrutineer of CU (UG) Physics
	Sayantani Das	Seminar Conference Attended: National: 11 International: 4
35	SWOC analysis of the department and Future plans	
	Strengths:	The department has highly qualified teachers with Ph. D degree and research Experiences. Faculties are easily accessible and cordial and friendly relation with students. Our department is full of meritorious students who get good marks in examination.
	Weaknesses:	Lack of seminar library and departmental reading room. The general laboratories are being sheared with Jogamaya Devi College.
	Opportunities:	Different academic information's are given to the students from time to time as received by department. Not only C. U examination notices but also notices for the competitive examination like JAM, JEST etc are also provided.
	Challenges:	To make our students competent for their future careers in academics as well as in other sectors. To maintain a research environment in our department so that the faculties and students can upgrade themselves.
	Future plans:	B. Sc admission may be done through admission test for quality control. Specious computer lab & different 2 nd and 3 rd year honours laboratories. Establishment of Wi-Fi in the department.

ANNEXURE I: DEPARTMENT OF PHYSICS

LIST OF PUBLICATION BY FACULTY

Publications of Dr. Mainak Gupta:

1. *A Parallel Multistep Predictor-corrector Algorithm for Solving Ordinary Differential Equation* – S.K. Ghoshal, M. Gupta and V. Rajaraman, J. Parallel and Distributed Computing, 6, 636-648 (1989). IF: 1.32; SNIP: 1.727; SJR: 0.851.
2. Nuclear and Solid State Physics Symposium,(1993) Indian Institute of Science, Bangalore
Performance of a $E_1 - E_2 - E$ Counter Telescopic System—M.L. Chatterjee, B.P. Pathak and M. Gupta.

Publications of Prof. Angshutosh Khan:

1. Role of solitonic processes during transformation of A-DNA to B-DNA, Bulletin of Mathematical Biology, 1986. IF: 1.326.
2. Role of solitonic processes during charge transport in biological systems, Bulletin of Mathematical Biology, 1988. IF: 1.326.
3. DankelProstab o BharaterSwanirbharota (1992) PaschimBangaVigyan Mancha
4. GATT Theke Biswavanijya Sanstha – Atmasamarpaner Itikatha (1998), PaschimBangaVigyan Mancha

Publications of Dr. Manorama Chatterjee:

1. A spectroscopic study of the anticholesterol effect of nicotinic acid on erythrocyte liposome: M. Bhattacharyya and P Nandy, Ind. J. Pharm. Sci., (1986), 48(6), 200-202. IF: 0.762.
2. A fluorescence study of the effect of nicotinic acid on fluidity erythrocytemembrane : M Bhattacharya, B.B. Bhowmik and P. Nandy, trans. Pharm. Sci., (1987), 1(3), 45-48.
3. Microviscosity in lecithin liposome effect of nicotinic acid: M. Bhattacharyya, B.B. Bhowmik and P Nandy, Arch. Biochem. Biophys.,(1988), 263(1),117-120. IF: 2.807; SNIP: 0.935; SJR: 1.478.
4. Biometric routs for photospliting of water : K.K. Rohatgi Mukherjee, A.B. Chatterje, B.B.

- Bhowmik, S.C. Bera, M. Bhattacharyya, J. Chaudhuri and B. Manna, *Bull. Mater. Sci.*, (1988), 10, 381-391. IF: 0.895.
5. Photochemical energy conversion in lecithin liposome in presence of phenosafranine and chlorophyll : M Bhattacharyya, B.B. Bhowmik and P. Nandy, *Energy*. (1989), 14(6), 345-348. IF: 4.292; SNIP: 1.898; SJR: 2.350.
6. Vasodialatory effect of nicotinamide on the fluidity of erythrocyte membrane and liposome: M. Bhattacharyya, B.B. Bhowmik and P. Nandy, *J. Surf. Sci. and Tech.*, (1989), 5(1), 13-20. IF: 0.17.
7. Effect of nicotinic acid on microviscosity in mixed liposomal system of lecithin and sphingomyelin: M. Bhattacharyya and P. Nandy, *Arch. Biochem. Biophys.*, (1989), 275, 379-384. IF: 2.807; SNIP: 0.953; SJR: 1.478.
8. Role of nicotinic acid as modulator of liposomal microviscosity: M. Chatterjee, R. Basu and P. Nandy, *J. Biosci.*, (1990), 15, 145-148. IF: 1.419.
9. Use of proton pump mechanism in solar storage cells: R. Basu, M. Chatterjee and P. Nandy in *Integrated Renewable Energy for Rural Development*, eds. H. Saba, M. Mukherjee and S. Saba, Tata McGraw Hill. India (1990), 444447.
10. Glycolipid induced change in liposomal microviscosity: M. Bhattacharyya, M. Sarkar and P. Nandy, *J. Surf. Sci. and Tech.*, (1991), 7, 291-376. IF: 0.17.
11. Perception of Biotechnology Amongst Non-Biologists in India: M. Chatterjee, G. Sa, A.G. Dana, A.N. Bhaduri, A. Nandy and P.K. Das, *Every Man's Science*, (1991), 26, 48-50.
12. Perception of Biotechnology Amongst Indian Biologists: G. Sa, M. Chatterjee, P.K. Das and A. Nandy, *India Biologists*, (1991), 23, 53-57.
13. Vaccine Development: Approaches and Progress: M. Chatterjee, R. Sett and R.K. Das, *Ind. J. Pharmacology*, (1992), 24, 138-144. IF: 0.599.
14. Modulation of liposome matrix by cholesterol for efficient localization of photosensitizers, A fluorescence quenching study on chlorophyll extract from spinach leaves: M. Chatterjee, S.C. Bera, B.B. Bhowmik, A.B. Chatterjee, P. Nandy and K.K. Rohatgi Mukherjee. *J. Photochem. Photobiol. A: Chem.*, (1993), 72, 209-216. IF: 2.477; SNIP: 0.825; SJR: 0.743.
15. A fluorescence anisotropy study of stabilizing effect of tri-and tetra nitrovasodilatory drugs on DPPC liposomal membrane: A.K. Ghosh, J. Mukherjee, R. Basu, M. Chatterjee and P. Nandy, *Biochemica and Biophysics*, (1993), 1153. 20-22.
16. Liposomal anisotropy – a signal for lipid – drug interaction at the interface: A.K. ghosh, R. Basu, M. Chatterjee and P. Nandy, *J. Ind Chem. Soc.*, (1997), 74, 464-466. IF: 0.10; SJR: 0.13.

17. Effect of concanavaline – A on Lishmania Parasite membrane fluidity: A fluorescence study: M. Chatterjee, P.K. Das and P. Nandy, J. Surface Sci. Technol., (1999), 15, 1-5. IF: 0.17.

Publication of Dr. Manideepa Kahali:

1. Positron-Helium scattering in the close-coupling approach: M. Kahali, S.K. Adhikari, D. basu and A.S. Ghosh, Chem. Phys. Letts., 239 (1995) 344-348. IF: 1.860; SNIP: 0.717, SJR: 0.757.
2. Positron-Helium scattering using CCA: B.N. Roy, M. Kahali, Ind. J. Phys. 70B(6) (1996), 453-458. IF: 1.166.
3. John Henry Pratt, Archdeacon of Calcutta and his theory of Isostatic Compensation: M. Kahali, Indian Journal of History of Science, 29(1), 1994.

Publication of Prof Arundhati Bhattacharya:

1. Electron mobility of Al_{0.48}In_{0.52}As : Phys. Rev. B , 2524 (1985). IF: 3.718.
2. Temperature dependence of peak drift velocity and threshold field in nIn_{0.53}Ga_{0.47}As : IEEE Trans. Electron Devices ED-31, 1918 (1984). IF: 2.472.
3. Mobility and diffusivity of two-dimensional degenerate hot electrons in polar semiconductor quantum wells: Physics 134 B, 523 (1985).
4. Two-dimensional hot-electron mobility in GaAs quantum wells: Semicond. Sci. Technol, 2, 30 (1987), IF: 2.098; SJR: 0.68.
5. Small-signal ac response of two-dimensional hot electrons in quantum well structures of polar semiconductors : Phys. Stat. Sol. (b) 127, 427 (1985). IF: 1.489; SJR: 0.68.
6. One-dimensional hot-electron transport in quantum-well wires of polar semiconductors : J. Appl. Phys. 59, 2511 (1986). IF: 2.183; SJR: 0.6.
7. Monte Carlo calculations of transport parameters of one dimensional hot electrons in quantum-well wires: Phys. Rev. B 37 7105 (1988). IF: 3.718.
8. AC mobility of one-dimensional hot electrons in quantum well wires: Phys. Stat. Sol. (b) L51, K 129 (1989). IF: 1.166; SJR: 0.68.

Publication of Prof Arpita Bose:

1. "The effects of scintillation on GPS signals" A. Bose: Proceedings of West Bengal Science and Technology Congress.2016
2. The equatorial scintillations observed with GPS links in the Indian zone-A review", A. Bose , Communicated to *Indian Journal of Radio and Space Physics, NISCAIR*, 2015 (Impact Factor- 1.22).
3. "Scintillation Effects on Geostationary and GPS Links", A Bose, A DasGupta and A Das, *Proc. National Space Science Symposium*,2010.
4. "Power Spectrum Analysis of GPS signal scintillations", A Guha and A Das Gupta, *URSI ommission G presentation*, 2005.
5. 'Errors in position -fixing by GPS in an environment of strong equatorial scintillations in the Indian zone" , A Dasgupta, S Ray, A Paul, P Banerjee and A Bose, *Radio Science*, **39(1)**, 2004. IF: 1.45.
6. "Study on the update rate of correction message to reduce SA effect in DGPS mode", P Banerjee, A. Bose, S Mukherjee, (Ms) A Guha (Bose) & B S Mathur, *Indian Journal of Radio and Space Physics*,**28(2)**,pp84-86, 1999. IF: 2.43.
7. "Studies on positioning accuracy for GPS and GLONASS system in India", P Banerjee, A Bose, S Mukherjee, (Ms) A Guha (Bose) and B S Mathur, *Proc. INCURSI -99: Proc. of Frontiers of Electronics, Communication and Photonics*, pp 31-35, Burdwan, India, 20-22 February, 1999.
8. "Propagation angle dependence of scintillation of GPS signals in the equatorial zone", A Guha, T Bandyopadhyay, A Das Gupta, P Banerjee and A Bose, *Proc. of 10th National Space Science Symposium*, Ahmedabad, India, 25 – 28 Nov, 1997.
9. "Degradation of Navigational accuracy with Global Positioning System during periods of scintillation at equatorial latitudes", T Bandyopadhyay, A Guha, A Das Gupta, P Banerjee and A Bose, *Electronics Letters*,**33(12)**, 1997. IF: 1.005.
10. "Study on navigational accuracy with GPS", T Bandyopadhyay, A Guha, A Das Gupta, P Banerjee and A Bose, *URSI Becon satellite symposium*, 1997, Sopron, Hungary, 30 June – 5 July, 1997.

Publication of Prof Surjya Sarathi Bhattacharyya:

1. Comparative studies on field-induced stretching behavior of single-walled and multiwalled carbon nanotube clusters, Weiwei Tie, **SurjyaSarathi Bhattacharyya**, HyeRyung Park, JoongHee Lee, Sang Won Lee, Tae Hoon Lee, *Phys. Rev. E* **90**, 012508 (2014). IF: 2.288.
2. Fabrication Elongation of Discotic liquid crystal strands and luration effects, SurjyaSarathi Bhattacharyya and Yves Galerne, *ChemPhysChem* **15**, (2014) 1432. IF: 3.419.
3. Dynamic electro-optic response of graphene/graphitic flakes in nematic liquid crystal, Weiwei Tie, **SurjyaSarathi Bhattacharyya**, Young Jin Lim, Sang Won Lee, Tae Hoon Lee, Young Hee Lee, and SeungHee Lee *Optics Express* **21**, (2013) 19867. IF: 3.587; SJR: 2.19.
4. Effects of carbon nanotubes on electro-optic characteristics in vertically aligned liquid crystal display, Young Jin Lim, **SurjyaSarathi Bhattacharyya**, Weiwei Tie, HyeRyungPark, YoungHeeLee, and SeungHee Lee, *Liquid Crystals* 2013 (Accepted). IF: 1.858.
5. Devices and materials for high performance mobile liquid crystal displays, SeungHee lee, **SurjyaSarathi Bhattacharyya**, HeeSeokJinand Kwang-Un Jeong, *Journal of Materials Chemistry* **22**, (2012) 11893. IF: 5.97.
6. Analysis of optical bounce associated with two-step molecular reorientation in the fringe-field switching mode, Kyung Su Ha, Chang Woo Woo, **SurjyaSarathi Bhattacharyya**, Hong Jun Yun, HeeSeokJin, Yong-Kyu Jang and SeungHee Lee, *Liquid Crystals*. **39** (2012) 39. IF: 1.858.
7. Display Applications of Electrowetting, PalaniveluSureshkumar and **SurjyaSarathi Bhattacharyya**, *Journal of Adhesion Science and Technology*, **26**(2012) 1947. IF: 0.948.
8. Electric-field induced elastic stretching of multiwalled carbon nanotube clusters: a realistic model, **SurjyaSarathi Bhattacharyya**, GyuHyung Yang, Weiwei Tie, Young Hee Lee and SeungHee Lee, *Phys. Chem. Chem. Phys.* **13** (2011) 20435. IF: 3.573.
9. Electric-Field-Induced Dispersion of Multiwalled Carbon Nanotubes in Nematic Liquid Crystal, Weiwei Tie, GyuHyung Yang, **SurjyaSarathi Bhattacharyya**, Young Hee Lee, and SeungHee Lee, *J. Phys. Chem. C*, **115** (2011) 21652. IF: 4.805; SJR: 1.99.
10. Effect of CdSnano-crystal dispersion on dielectric properties of ferroelectric liquid crystal, **SurjyaSarathi Bhattacharyya**, A. Mukherjee, S. L. Wu and B. K. Chaudhuri, *Molecular*

Crystals Liquid Crystals.541 (2011) 270. IF: 0.58; SJR: 0.22.

11. Tunable light diffractor associated with liquid crystal molecular reorientation from homogeneous alignment to periodic twist deformation in micrometer scale, **SurjyaSarathi Bhattacharyya**, Dong Won Kwon, Young Jin Lim, Jae-Hyeung Park and SeungHee Lee, *Journal of Physics D: Applied Physics* 44 (2011) 165501. IF: 2.544; SJR: 0.68.
12. High performance transfective liquid crystal display associated with fringe-field switching device” Young Jin Lim, Suck Jae Shin, Nam Ho Cho, **Surya Sarathi Bhattacharyya**, KyoungHo Park, JounHo Lee, Byeong Koo Kim and Seungee Lee, *Optics Express*19 (2011) 8085. IF: 3.587; SJR: 2.19.
13. Viewing Angle Switching in In-Plane Switching Liquid Crystal Display : Jung Hwa Her, Suck Jae Shin, Young Jin Lim, **SurjyaSarathi Bhattacharyya**, Wan-Seok Kang, Gi-Dong Lee and SeungHee Lee, *Molecular Crystal Liquid Crystals*, **544** (2011) 220. IF: 0.58; SJR: 0.22.
14. Control of Motion of Fullerene Colloidals by Dielectrophoretic Force for Electronic Paper-like Display, Mi-Kyung Kim, Young Jin Lim, **SurjyaSarathi Bhattacharyya**, Myong-Hoon Lee, and SeungHee Lee, *Curr. Appl. Phys.***11** (2011) 1192. IF: 2.144; SNIP: 1.015; SJR: 0.716.
15. Evidence of antiferroelectric like ordering from the study of dielectric permittivity-voltage behavior in bent core liquid crystalline material showing B₂ phase, Amrita Mukherjee, **S. S. Bhattacharyya**, M. Marik, K. C. Majumdar and B. K. Chaudhuri, *Phase Transitions*. 84 (2011) 908. IF: 1.006.
16. Viewing angle controllable liquid crystal display with high transmittance, Young Jin Lim, JinHo Kim, Jung Hwa Her, **Surjya Sarathi Bhattacharyya**, KyoungHo Park, JounHo Lee, Byeong Koo Kim and SeungHee Lee, *Optics Express* **18** (2010) 6824. IF: 3.587; SJR: 2.19.
17. Dielectric investigation of a bent core liquid crystalline material and its mixture with a rod like compound, **Surjya Sarathi Bhattacharyya**, A. Mukherjee and B. K. Chaudhuri, *Molecular Crystals Liquid Crystals* **528** (2010) 23. IF: 0.58; SJR: 0.22.
18. Dielectric spectroscopy of a dichiralmesogen with a unique phase sequence, A. Mukherjee, **S. S. Bhattacharyya**, S. L. Wu and B. K. Chaudhuri. *Molecular Crystals Liquid Crystals* **518** (2010) 60. IF: 0.58; SJR: 0.22.

Publication of Dr. Sayantani Das:

1. **Sayantani Das***, Alo Dutta, Sourish Banerjee, T.P. Sinha, Phonon modes and activation

- energy of Fe-doped CdSe nanoparticles, **Materials Science in Semiconductor Processing**18 (2014) 152–159. RG score (Research gate)- 4.84. Citation-2. IF: 2.264; SNIP: 0.944; SJR: 0.577.
2. **Sayantani Das***, Alo Dutta, Binita Ghosh, Sourish Banerjee, T.P. Sinha, Dielectric relaxation of CdSe nanoparticles, **Journal of Physics and Chemistry of Solids**75 (2014) 1245–1251. Citation-1. IF: 2.048; SNIP: 0.984; SJR: 0.639.
 3. Ramna Tripathi, Alo Dutta, **Sayantani Das***, Akhilesh Kumar & T. P. Sinha, Dielectric relaxation of CdO nanoparticles, **Appl Nanoscience (In Press)** DOI 10.1007/s13204-015-0427-5. IF: 1.32.
 4. **Sayantani Das***, Sourish Banerjee, Alo Dutta, T.P. Sinha, Vibrational and thermal studies of CdSe nanorods, **Materials Science in Semiconductor Processing**40 (2015) 412–417. IF: 2.264; SNIP: 0.944; SJR: 0.577.
 5. Sujoy Saha*, Anup Pradhan Sakhya, **Sayantani Das** and T. P. Sinha, Structural and transport properties of NdCrO₃ nanoceramics, Citation: **AIP Conf. Proceedings** 1512, 930 (2013); doi: 10.1063/1.4791345.
 6. **Sayantani Das***, Alo Dutta, Binita Ghosh, Sourish Banerjee, and T. P. Sinha Structural and transport properties of CdSe nanorods, Citation: **AIP Conference Proceedings**1665, 050056 (2015); doi: 10.1063/1.4917697.
 7. Tanusree Mondal, P. M. Sarun*, **Sayantani Das**, and T. P. Sinha, Investigation of dielectric properties of La_{0.33}NbO₃ ceramics, Citation: **AIP Conference Proceedings**1665, 110043 (2015); doi: 10.1063/1.4918099.
 8. Rashmi Gupta, **Sayantani Das**, T.P. Sinha, K.K. Bamza*, Effect of cadmium doping on electrical properties of lead nickel niobate–lead zirconate titanate [Pb_{1.0}(Ni_{0.167}Nb_{0.333}Zr_{0.155}Ti_{0.345})O₃] ceramics, **Ceramic International**, <http://dx.doi.org/10.1016/j.ceramint.2015.07.103>. IF: 2.758; SNIP: 1.253; SJR: 0.865.

Book:

1. HIGHER SECONDARY MODERN COMPUTER APPLICATION-by Arpita Bose- MOULIK LIBRARY, KOLKATA –Last revised in 2012.

ANNEXURE II

Seminar/ Symposium attended by Surjya Sarathi Bhattacharyya

National

1. Dielectric spectroscopic study of CdSnano crystals dispersed ferroelectric liquid crystal system; **Surjya Sarathi Bhattacharyya**, A. Mukherjee S. L. Wu and B. K. Chaudhuri; Condensed Matter Days 2009, Article No: **P043**, 119 (2009) Jadavpur University.
2. Dielectric relaxation study of a novel dichiral liquid crystal showing anomalous phase sequence; A. Mukherjee, **S. S. Bhattacharyya**, A. Yoshizawa and B. K. Chaudhuri, Condensed Matter Days 2009, Article No: **P045**, 121 (2009) Jadavpur University,.
3. Investigation of SmC^* - SmC_A^* phase coexistence and field induced modification of a fluorinated antiferroelectric liquid crystal; **Surjya Sarathi Bhattacharyya**, A. Mukherjee S. L. Wu and B. K. Chaudhuri Conference on mesogenic and ferroic materials, Benaras Hindu University, (2009), Varanasi.
4. Investigation of dielectric permittivity- voltage hysteresis in deformed helix ferroelectric liquid crystal; A. Mukherjee, **S. S. Bhattacharyya**, A. Yoshizawa and B. K. Chaudhuri Conference on mesogenic and ferroic materials, (2009) Benaras Hindu University, Varanasi.
5. Chiral swallow tailed antiferroelectric liquid crystal showing anomalous behavior at SmA^* to SmC_A^* pre-transitional regime, **Surjya Sarathi Bhattacharyya**, A. Mukherjee and B. K. Chaudhuri. Young Scientists' Colloquim, Materials Research Society of India (MRSI), Jadavpur University, Kolkata, July 25 (2008).
6. Preparation and characterization of Polymer dispersed ferroelectric liquid cryatal composite film with high electro-optic quality; **Surjya Sarathi Bhattacharyya**, A. Mukherjee, S. L. Wu and B. K. Chaudhuri, Condensed Matter Days, Article-**71**, 72 (2008), Visva-Bharati University.
7. Dielectric relaxation of polymer and ferroelectric liquid crystal composites; A. Mukherjee, **S. S.**

- Bhattacharyya**, S. L. Wu and B. K. Chaudhuri, Condensed Matter Days 2008, Article-72, 73 (2008), Visva-Bharati University.
8. Change of rotational viscosity in a surface stabilized ferroelectric liquid crystal; **Surjya Sarathi Bhattacharyya**, M. Rahman, A. Mukherjee and B. K. Chaudhuri, Solid State Physics (India) (Proceedings of DAE Solid State Physics Symposium), **51**, 211 (2006), Bhopal.
 9. Frequency and temperature independent V- shaped switching in SSFLC; Muklesur Rahman, **S. S. Bhattacharyya**, A. Mukherjee and B. K. Chaudhuri, Solid State Physics (India) (Proceedings of DAE Solid State Physics Symposium), **51**, 205 (2006), Bhopal.
 10. Polarization and optical tilt measurements of a ferroelectric liquid crystal mixture CS-1013 near the critical region; A. Mukherjee, M. Rahman, **S. S. Bhattacharyya** and B. K. Chaudhuri, Solid State Physics (India) (Proceedings of DAE Solid State Physics Symposium), **51**, 199 (2006), Bhopal.
 11. Dielectric relaxation spectroscopic investigation of phase transition and a unique behavior of ferroelectric liquid crystal (CS1027) parameters; **Surjya Sarathi Bhattacharyya**, M. Rahman and B. K. Chaudhuri, Solid State Physics (India) (Proceedings of DAE Solid State Physics Symposium, (2005), Mumbai.

International

1. Fabrication of oriented discotic liquid crystal microwires, **Surjya Sarathi Bhattacharyya**, Yves Galerne, 24th International Liquid Crystal Conference, August 19th-24th (2012), Mainz, Germany.
2. Effect of CdSnano-crystal dispersion on dielectric properties of ferroelectric liquid crystal : **Surjya Sarathi Bhattacharyya**, A. Mukherjee, S. L. Wu, SeungHee Lee and B. K. Chaudhuri, 23rd International Liquid Crystal Conference, July 11th-16th (2010) Krakow, Poland.
3. Electric field induced stretching of carbon nanotube in liquid crystal medium Weiwei Tie, ByeongGyun Kang, GyuHyung Yang, **Surjya Sarathi Bhattacharyya**, Young Hee Lee and SeungHee Lee, 13th Korean Liquid Crystal Conference (KLCC), January 13-14 (2011) Yeungnam

University, South Korea.

4. Electric field induced impedance spectroscopy study of SmA^* - SmC^* phase transition, **Surjya Sarathi Bhattacharyya** and B. K. Chaudhuri. International Conference on Liquid Crystals 2006 (ICLC 2006), December 5-8, (2006), Mumbai, India.
5. Anomalous pre-transitional behavior at SmA^* - SmC_A^* transition regime of a chiral swallow tailed antiferroelectric liquid crystal, **Surjya Sarathi Bhattacharyya**, A. Mukherjee S. L. Wu and B. K. Chaudhuri. 20th International Symposium on Integrated Ferroelectrics (ISIF 2008), June 9-12 (2008), Biopolis, Singapore.
6. Photosensitive ferroelectric liquid crystal preparation by CdS nanocrystal dispersion: A novel approach, **Surjya Sarathi Bhattacharyya**, A. Mukherjee, P. K. Jana, S. L. Wu, B. K. Chaudhuri, Internatinal Conference on Advances in Nanotechnology (ICANAT08), Raipur, India, November 6-8 (2008).

Seminar attended by Sayantani Das

1. International Conference and Workshop on Nanostructured Ceramics and Other Nanomaterials, Date – 13th -16th March, 2012 University of Delhi.
2. National Conference on Condensed Matter Physics, Date - 29th – 31st August, 2012 Birla Institute of Technology, Ranchi.
3. 57th DAE Solid State Physics Symposium, Date – 3rd – 7th December, 2012, Indian Institute of Technology, Mumbai.
4. International Workshop on Nanomaterials, Date - 14th – 15th December, 2012, Jadavpur University.
5. 17th National Seminar on Ferroelectrics and Dielectrics Date – 17th – 19th December 2012.
6. The Indian Science Congress Association, 3-7 January, 2013, University of Calcutta, Kolkata, Participated.
7. Third National Seminar on Recent Trends in Condensed Matter Physics Including Laser Application, Poster Presentation, “*Optical Properties of CdSe Nanoparticles*”, Sayantani Das, Alo Dutta, Sourish Banerjee and T. P. Sinha. 5-7 March, 2013, Centre of Advanced Study, University of Burdwan.

8. National Workshop on Application of Radiation in Physical, Chemical and Life Sciences, “*Optical Properties of CdSeNanorods*” Sayantani Das, Alo Dutta, Sourish Banerjee and T. P. Sinha. 4-5 September, 2013, Centre for Research for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta, Kolkata.
9. International Union of Materials Research Societies (IUMRS) - ICA “*Dielectric Relaxation of CdSenanorods*” Sayantani Das, Alo Dutta, Sourish Banerjee and T. P. Sinha 2013, 16-20 December, Bangalore, India.
10. International Conference on Electron Microscopy Society of India (EMSI-2014), “*Dielectric Relaxation and Phonon modes study of CdSeNanorods*” Sayantani Das, Alo Dutta, Sourish Banerjee and T. P. Sinha. 7-11 July, 2014, Delhi, India.
11. National Conference on Condensed Matter Physics, Date-27th – 29th August, 2014 University of Calcutta, Kolkata.
12. MRSI Young Scientist Colloquium 2014, 12 September 2014, Kolkata.
13. National conference on current trends in advanced materials (CTMAT-2014) Sayantani Das, Sourish Banerjee and T. P. Sinha. 19-21 November, 2014. VECC, Kolkata.
14. 59th DAE Solid State Physics Symposium, (DAE-SSPS-2014) December 16-20, 2014, VIT University, Vellore, Tamilnadu.
15. National Conference on Condensed Matter Physics, Date-26th – 28th August, 2015 Viswabharati University, Kolkata.

Symposium /Seminar/Workshop attended by Arpita Bose(Guha):

1. Attended West Bengal Science and Technology Congress 2016. Organised by Presidency University 28th-29th February 2016.
2. Attended International Symposium on “Computers and Devices for Communication International Conference.” 2015 (CODEC- 2015) organized by Institute of Radiophysics & Electronics, University of Calcutta 16th-18th December 2015.
3. Attended the one day International Seminar “GNSS Asia “– International one day Workshop on GNSS organized by the European Business Group-7 July 2015, Swissotel, Kolkata.
4. Attended the Lecture-“Unification of Gravity and Electromagnetism...” by Prof Partha Ghosh, Natioal Academy of Sciences, India, organised by Dept of Physics, Presidency University, Kolkata

30 April 2014.

5. Attended the International seminar “COMPUTERS AND DEVICES FOR COMMUNICATION. INTERNATIONAL CONFERENCE. 5TH 2012. (CODEC 2012)”– International Seminar organised by Institute of Radio Physics and Electronics, Calcutta University and others, Kolkata - 17-19 December, 2012.
6. Attended the one day International Seminar on Global positioning System (GPS) and its Applications held at the Institute of Radio Physics and Electronics, Calcutta University 5 November 2008.
7. Attended the UGC Sponsored State Level Seminar on “Mechanics From Micro To Macro Region” organised by department of Mathematics and Physics, Bethune College, Kolkata held on 6 February 2007.
8. Attended the workshop on “Microwave and Millimeter Wave Communication” under Millimeter Wave Training Program at the Institute of Radio Physics and Electronics, Calcutta University, Kolkata during 22-23 March 2001.
9. Presented paper and attended the International symposium INCURSI-99 organised by National committee of International Union of Radio Science (URSI) at Burdwan University, Burdwan from 22-24 February 1999.
10. Attended and presented the paper on the National Conference on Global Positioning System organized by IIT Kanpur 21-23 February 1997, IIT Kanpur
11. Presented paper and attended the National Space Science Symposium (NSSS)-96 at Osmania University, Hyderabad from 6 to 10 February 1996.
12. Presented paper and attended the International symposium INCURSI-96 organised by National committee of International Union of Radio Science (URSI) at Institute of radio Physics and Electronics, Calcutta University and Burdwan University, Kolkata and Burdwan from 16-20 February 1996.

EVALUATIVE REPORT **DEPARTMENT OF PSYCHOLOGY**

1.	Name of the department:	PSYCHOLOGY		
2.	Year of Establishment:	2001		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG B.Sc. (Honours) B.A. (Honours)		
4.	Names of Interdisciplinary courses and the departments/ units involved	Dept. Of Environmental Science PG Course		
5.	Annual/ semester/ choice based credit system (programme wise)	Annual System as per University or Calcutta Norms		
6.	Participation of the department in the courses offered by other departments			
	COURSE	FACULTY	PARTICIPATION AS	
	M.Sc. Environmental Science Course	Dr.Jhuma Mukherjee (2010-2011, 2011-2012)	Teaching	
	M.Sc. Environmental Science Course	Dr.Pooja Chatterjee (2013-2014, 2014-15)	Teaching	
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		
		Associate Professor		

ASUTOSH COLLEGE SSR 2015

		Assistant Professor	2	1		
		CWTT	2	2		
		PTT	1	1		
		Guest Lecturer	2	2		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD stdnts
Dr. Pooja Chatterjee		Ph.D.	Assistant Professor	Clinical and Forensic Psychology	11	NIL
Dr. Tinni Dutta		Ph.D.	Lecturer (CWTT)	Clinical and Forensic Psychology	12	NIL
Dr. Jhuma Mukherjee		Ph.D.	Lecturer (CWTT)	Organizational & Environmental Psychology	14	NIL
Debanjana Basu		MSc.	Part time Lecturer	Human Resource Management	1	NIL
Somlata Acharyya Chowdhury		M.Sc.	Guest Faculty	Organizational & Environmental Psychology	6	NIL
Bithi Ahiri		M.Sc.	Guest Faculty	Experimental Psychology	7	NIL
11.	List of senior visiting faculty		Visiting Faculty		Institute	
12	Percentage of lectures delivered by temporary faculty		1 st year = 21.87% 2 nd year = 17% 3 rd year = 14.28%			
13.	Student -Teacher Ratio (programme wise)		Session	UG		
			2011-12	33:1		
			2012-13	33:1		
			2013-14	32:1		
			2014-15	32:1		

14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED	FILLED
		GLI		
		Laboratory Assistant	1	1
		Laboratory Attendant	1	1
15.	Qualifications of teaching faculty with D.Sc./Ph.D./MPhil/PG	PhD: 3 PG :3		
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	National = 3 Minor Research Projects sanctioned by UGC total Grant : 9 lakhs Dr.Jhuma Mukherjee – Environmental Psychology (3 Lakhs) Title – cognitive evaluation of dwelling environment : perception, attachment, preference and satisfaction – A comparative analysis of town and village community of west Bengal. Dr.Pooja Chatterjee – Organizational Psychology (3 Lakhs) Title – Evaluation of organizational factors affecting behavioural and personality pattern of professionals belonging to different sectors : A comparative analysis of academic, banking and I T professionals of Kolkata metropolis. Dr.Tinni Dutta – Literature and psychology (3 lakhs) Title - Tagore's Gitanjali : The Prophet's worship		
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC = 3 MRP Total grants sanctioned = 9 Lakhs , Received = 6,12,500		
18.	Research Centre/ facility recognized by the University	NIL		

19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index														
	FACULTY	a	b1	b2	c	d	e	f	g	h	i	j	k	l	
	Dr.Pooja Chatterjee	2	1				4								
	Dr.Jhuma Mukherjee	1					3								
	Dr.Tinni Dutta	6	6		4		4						2		
	Debanjana Basu	1					1								
	Bithi Ahiri	2	1				2								
	Students	2													
	PUBLICATION LIST : IN ANNEXURE I														
	20.	Areas of consultancy and income generated:					Nil								
	21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
a)National Committees					Tinni Dutta Member of Asiatic Society, Human Development & Research Institute, East West Academy, Alumni Exchange Programme,USGS										
b) International Committees					NIL										
c) Editorial Board					Tinni Dutta Journal of Current Science, Academic Journal, International Journal of English Literature and Culture										
22.	Student projects														

a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	NIL
23.	Awards/ Recognitions received by faculty and students:	
	AWARD BY FACULTY	
	NAME	AWARD
	Dr. Tinni Dutta	<p>SahityaJagatPuraskar 2012 for the book of “Antarbritter Alay”</p> <p>Ardhendu Kumar ChaudhurySmritiPuraskar for Analytical writings on Tagore</p> <p>International Gold Star Award Certificate Of Excellence For Meritorious Service, Outstanding Performance and Remarkable Role From India International Friendship Society (2012)</p> <p>AnnadaSankar Roy SmritiSamman for The Book titled as RabindraBhavanayPrem – 2013.</p> <p>Rashtriya Gaurav Award for contributions and performances byIndia International Friendship Society (2014).</p> <p>SahityaPanthaPurashkar for the book RabindraGanePrakriti May 2015.</p>
	AWARD BY STUDENTS	
	NAME	AWARD
	Eyeleen Chattrejee (3rdyr)	Kaleidoscope Fest of Lady Brabourne College- Third in MehendiCompetition Lallontheke Lennon, First in face painting and Second in situational Drama
		SESSION
		2015

ASUTOSH COLLEGE SSR 2015

	Dilasha Chowdury (3 rd yr)	Won recognition at EparbanglaoparbanglaDui banglasammelon singing show held in Bangladesh Graded artist in All India Radio Akashvani Winner of NazrulGeeti in RajyaSangeet Academy	2015 2015 2014
	Gangotri Gangopadhyay (2 nd yr)	Vodaphone Fest, second in drama competition	2015
	Architachakraborty and PallabiSengupta (2 nd yr)	Sanskriti : JU Fest, first in face painting	2015
	Ipsita Baidya (1 st yr)	Lallonthেকে Lennon, third in voice of Asutosh	2015
	Eryca Nandi (2 nd yr)	Annual Inter College Fest, CU, third in non-gas cooking competition	2014
	Debayoni Mal (3 rd Yr)	Martyr Animesh Chowdhury Memorial Prize Punyalekha Banerjee Chowdhury Memorial Prize Nripesh Chandra Guha Chowdhury Memorial Prize	2012-2013
24.	List of eminent academicians and scientists/ visitors to the department: <ul style="list-style-type: none"> • Dr. Sadhan Dasgupta, Professor, Dept. of Applied Psychology, CU • Dr. Tillotama Mukherjee, Assistant Professor, Dept. of Psychology, CU • Dr. Anindita Chaudhuri, Assistant Professor, Dept. of Psychology, CU • Ushri Bannerjee, Assistant Professor, Dept. of Applied Psychology, CU • Dr. Jayanti Basu, Professor, Dept. of Applied Psychology, CU • Dr. Sibnath Deb, Professor and Head, Dept. of Applied Psychology, Pondicherry University 		
25.	Seminars/ Conferences/ Workshops organized & the source of funding		
	a) National:	One Day Workshop organised: Mental Health of Adolescents: challenges of the new millennium (9.12.14) Funding by Asutosh College One Day Workshop on Psychopathology and its interventions (22.12.15) Funding by Asutosh College	

ASUTOSH COLLEGE SSR 2015

	b) International:		NIL					
26.	Student profile programme/ course wise:							
	Name of the Programme: BSc with Psychology(Honours) (UG)							
	Year	Applicat ion Rcvd	Selected	Enrolled		Year	Pass %	No. 1 st Class
				M	F			
	2015-16	1467	73	11	62	2015-16	100%	5
	2104-15	1234	95	13	82	2104-15	100%	6
	2013-14	1062	69	7	62	2013-14	94.12%	9
	2012-13	955	54	7	47	2012-13	97.50%	1 (3 rd)
	NB: Admission Record of 1 st Year and Pass percentage of outgoing 3 rd Year							
27.	Diversity of Students							
	Name of the Course: : BSc with Psychology (Honours) (UG)							
	Year		% of Students from the same state		% of students from other States		% of students from abroad	
	2015-16		93%		7%		NIL	
	2104-15		96%		4%		NIL	
	2013-14		88%		12%		NIL	
	2012-13		93%		7%		NIL	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. NET =3, SET = 5, Defence Services = 1 As per data available							
29.	Student progression: As per data available							
	Student Progression			Against % enrolled				
	UG to PG			67%				
	PG to M.Phil			12%				
	PG to Ph.D			10%				
	Employed			Nil				
	Campus Selection			Campus Selection = 2%				
	Other than campus recruitment			Others =50%				
	Enterpreneurship/Self Employment			40%				
30.	Details of Infrastructural facilities							
	(a) Library: The department has its departmental seminar library in addition to the central library facility. Departmental library is well maintained. Central Library: 406							

	Seminar Library: 280 Reading Library: 25	
	(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below:	
	CONFIGURATION	NUMBER
	Lenovo Laptop Processor Intel R Core™ i3-3110M CPU @2.40 GHz. RAM: 2 GB 32 Bit OS. Internet connection taken from wifi of computer science department	1
	(c) Class rooms with ICT facility: ONE	
	(d) Laboratories: 1 Name of instruments: Kymograph – 6, Pneumograph – 6, Apparent timer – 10, Masson's disc – 3, Aesthesiometer – 10, DL box – 12, Response scope – 10, Ergograph – 6, Koh's block design test – 6, Knox cube construction – 6, Paper pencil tests – 1 set each (EPQ, STAI, GZII, DAT and TermanMerill)	
31.	Number of students receiving financial assistance from college, university, government or other agencies	Few students receive financial assistance Data available in College profile
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	One Day Workshop organised: Mental Health of Adolescents: challenges of the new millennium (9.12.14) Prof SadhanDasgupta, Prof JayantiBasu(Dept. Of Applied Psychology, University of Calcutta Special Lectures Child Abuse and Neglect (4.8.15) Dr.Sibnath Deb (Head, Dept. Of Applied Psychology, University of Pondicherry)– Diverse Applications of Psychology Dr.Sibnath Deb (Head, Dept. of Applied Psychology, Pondicherry University) Date: 5.8.2015
33	Teaching methods adopted to improve student learning:	
	Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> ○ Power Point Presentations ○ Charts ○ Slides using OHP ○ Role Playing ○ Group Discussions ○ Games and Excercises ○ Presentations by students ○ Special classes are regularly taken to address the problems of the weaker students. 	

	○ One-to-one contact method with students for problem solving and answer	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: Faculty Members guide students of other universities in summer training, Students take part in different cultural and social programmes	
	NAME	Social Responsibility (ISR) and Extension activities
	Dr. Pooja Chatterjee	Head Examiner, paper setter, Moderator, External and Internal Examiner of Hons. and General papers of Psychology of C.U. Examiner of P.S.C. (WBCS) Main Psychology, IGNOU Masters Examination, Paper setter of SSC, and Vidyasagar University, Engaged as a member of Psychotherapy Unit and Counselling unit of Asutosh College Attended workshop on TAT and RIBT (CU, 2015) Projective techniques – Thematic Apperception Test and Rorschach Ink Blot Test (2015) Approaches to treating maltreated children and their families (2011)
	Dr. Jhuma Mukherjee	Head Examiner, paper setter, Moderator, External and Internal Examiner of Hons. and General papers of Psychology of C.U Examiner of P.S.C. (WBCS) Main Psychology, IGNOU Engaged as a member of Psychotherapy Unit and Counselling unit of Asutosh College Attended workshop on TAT and RIBT (CU, 2015) Projective techniques – Thematic Apperception Test and Rorschach Ink Blot Test (2015)
	Tinni Dutta	Head Examiner, paper setter, Moderator, External and Internal Examiner of Hons. and General papers of Psychology of C.U Engaged as a member of Psychotherapy Unit and Counselling unit of Asutosh College Seminar and Conference attended Attended Research Meeting in Edinburgh, Edinburgh Napier University UK. April 2015 Echoes of Tagore's Songs and Poems: A Study on Sustainable Human Development-World Science Congress December 2014 Kolkata Transformation of Indian Educational Structure-National Seminar October 18 th & 19 th , 2014 . by S.R.S.D. Menorial Shiksha Shodh Sansthan & Baikunthi Devi Kanya Mahavidyalaya, Agra. Communication and presentation excellence, American centre (2013) Feeling good and doing well, Nimhans (Bangalore), 2013

		Dream analysis and colour therapy, Indonesia, 2013 Mythodrama using power of stories and myths in psychotherapy (Macau, China), 2012 International Seminar on Human Development and Sustainability: Challenges and Strategies for the Asian Century-Certificate of Appreciation Colour therapy from Jungian Perspective.- Department of Social Work Visva-Bharati
	Bithi Ahiri	Attended International conference (2014) Indian Council of Developmental Disability
	Student Riya Das and Trijita Mukherjee	Green Conference at Science City, 2012 in collaboration with USIS
	Basudev Pramanick	Actively involved in NCC
35	SWOC analysis of the department and Future plans	
	Strengths:	Enriched faculty members Faculties from diverse specializations Good seminar library Psychotherapy unit
	Weaknesses:	<ul style="list-style-type: none"> ○ Insufficient space which particularly hinders the extension of classroom, laboratory research facilities. ○ Student: Teacher ratio is not sufficient to cope-up the day-to-day academic affairs.
	Opportunities:	<ul style="list-style-type: none"> ○ Capability rendered to students in terms developing life skills like coping with various threats and stressors, strengthening mental health ○ Applying the psychological principles in diverse fields like industries, clinical and hospital settings, defense services, schools and other educational institutions.
	Challenges:	<ul style="list-style-type: none"> ○ Development of Sound Mental Health ○ Dealing with Drug Addicts and Substance abusers ○ Dealing with HIV/AIDS and Terminal Illness patients
	Future plans:	<ul style="list-style-type: none"> ● Faculties to engage in more research activities and book publications ● Starting PG course in Applied Psychology

ANNEXURE: DEPARTMENT OF PSYCHOLOGY

ANNEXURE I :LIST OF PUBLICATION

Pooja Chatterjee

1. Gender, medium of instruction, economic strata and working status of mother – predictors of adjustment of adolescents? Indian Journal of Psychology and Education, vol 1, no. 1, Jan 2011, pp 1-12
2. Anxiety among high school students in India: comparisons across gender, school type, social strata and perception of quality time with parents – Australian Journal of Educational and Developmental Psychology, vol 10, 2010 Pp – 18-31. IF: 0.38, h-Index: 13, SJR: 0.19.

Debanjana Basu

SEMINARS/WORKSHOPS PRESENTED/ATTENDED

1. Attended seminar on “*Management of Borderline Disorder: Key Issues*” organized by The Indian Association of Clinical Psychologists-West Bengal (IACP-WB), Kolkata
2. Attended seminar “*Mental Health and Assessment Techniques*” organized by Department of Applied Psychology, University of Calcutta, Kolkata
3. Attended seminar on “*Career Development for Students: Challenges and Major Requirements of Human Resource Management*” organized by Department of Applied Psychology, University of Calcutta, Kolkata
4. Attended seminar on “*Manuscript Writing for Publication in Journals*” organized by Indian Institute of Psychometry (IIP), Kolkata, on 29th and 30th November, 2013
5. Attended as Resource Person in UGC Sponsored “*Orientation Training Program on Career Counselling*” organized by Women’s College, Kolkata, on 20th June, 2014
6. Organized workshop on “*Students’ Mental Health: Issues and Challenges of the New Millenium*” from Asutosh College, Kolkata on 9th December, 2014
7. Attended workshop on “*Introduction of NVivo Software for Qualitative Research*” organized by Indian Institute of Management (IIM), Kolkata, on 19th May, 2015

PAPERS/ARTICLES/PROCEEDINGS PUBLISHED

1. Seminar proceedings of UGC sponsored Orientation Training Program on “*Career Counselling from psychological approach*” at Women’s’ College, Kolkata, 23rd May to 30th June, 2013.
2. “*Rabindrik work value preferences*” published in the journal **Psybernews** (ISSN: 0976-0709)

Bithi Ahiri

1. A qualitative research approach to disabilities and positive psychology; indian institute of psychology, july 2014, issn 23197951
2. Revisiting tagore’s “sishubholanath” in the light of dynamic flow; science publishing group, usa, july2015, issn 23269863 (print)

Articles Published:

1. The spiritual logo in the vision of psychoanalysis; Ramakrishna Mission Institute of Culture, Feb 2014, ISSN 09712755
2. Experimental journey with spirituality and positive psychology; ; Ramakrishna Mission Institute of Culture, May 2014, ISSN 09712755

Book Chapter

1. Rabindrabharati Society – state- Psychoanalytical explanation of Tagore’s “Balaka”
2. Globalization: an Autobiographical Approach; Sanskrit PushtakBhandar , July 2015, ISBN 978-93-83368-68-6

Jhuma Mukherjee

1. Family and social environment as perceived by inhabitants of urban and rural areas – Journal of Applied Psychology, 2010. IF: 3.18, h-Index: 195, SJR: 4.64.

Tinni Dutta

1. A Comparative Study Of Life-Event Stress And Personality Pattern in The Formation Of Peptic Ulcer And Skin Diseases.’ July 1993, In Indian Journal of Applied Psychology, Vol. 30, No.2, Published by The Madras Psychological Society.
2. A Comparative Study Between Major Depression &Dysthymia Cases By Color Pyramid Test’ June 1994. In India JOURNAL OF psychological Issues (Vol.2, NO.1).

3. Psycho-Spirituality: A Vision of Hope ,Health &Hygiene, Bulletin of the Ramakrishna Mission Institute of Culture, Vol .:10,October, 2000
4. In bulletin of the Ramkrishna Mission Institute of Culture Calcutta, vol. 9 –‘Imagery in Romantic Poetry’. 2000
5. In Bulletin of the Ram Krishna Mission Institute of Culture Kolkata Vol 5 an article ‘Tagore’s songs’ Blessings from the Divinity 2004.
6. Psychodynamic Resemblance binds the poets of Different culture in a single order of mind, SAMIKSA, Journal of the Indian Psychoanalytical Society, Vol 57, 2005.
7. In Bulletin of the Ram Krishna Mission Institute of Culture Kolkata Vol 2005 an article ‘Symbol of Light in Tagore’s Songs’ 2005.
8. In Bulletin of the Ram Krishna Mission Institute of Culture Kolkata Vol 8 an article ‘Tagore’s JivonDevata In Gitanjali.2007.
9. In Bulletin of the Ram Krishna Mission Institute of Culture Kolkata an article ‘Emotional Intelligence & Emotional Development. 2010.
10. Stress Management Asian Science June & December 2011 vol.6 Issue 1 & 2: 125-126. In bulletin of the Ram Krishna Mission Institute of Culture Kolkata an article “Music Therapy” 2011
11. Spiritual based Intervention – Adolescent Drug Users : An Innovative Challenge – Proceedings of fast International Conference on behavioral and Social Science Research, University – Tunku Abdul Rahman (UTAR) Perak, Malaysia.
12. A Comparative Study Tagore’s Postmaster and O. Henry’s Last Leaf. Pujp.Vol:1 (1), pp.19-27.
13. In JorashakoThakurbari – Sahitya Patra 1- Browning and Tagore (Psychoanaltical Perspective) August 2013.
14. Perception of Night:- A Psychoanalytically Oriented Study on Dutta and Tagore Academic Journal Vol. 4(7), pp. 123-124, September, 2013.
15. TAGORE’S SONGS AND POETRY-VAST SEA OF HUMANISM AND POSITIVISM
International Journal of Development Research Vol. 3, Issue, 10, pp.095-096, October,
Psychoanalysis: Beyond Neuro Chemical Process –Journal of Current Science – 1 (1) ,

- 2013, 11-12.
16. A case Study Psycholinguistic: A Study on Tagore's Gitanjali Asian Science .Volume 8 Issue 1&2 June & December , 2013 48-49.
 17. Diversification of youth from Morality and Spirituality Towards Materialistic approach- Sreeja Mukherjee, Dr. Tinni Dutta.
 18. Increasing Aggression & Luxury Demands Among Youth –Who is Responsible? – Meghoranjani Das, Dr. Tinni Dutta.
 19. Tagore's Poetry Universal Psychospirituality Journal of Literature and Art Studies Volume 4, Number 10 October 2014.
 20. The Symbol of 'Eye' in Tagore's Songs – International Journal of English Language, Literature and Translation Studies (IJELR) – Vol.1.Issue.2.2014. IF: 3.36.
 21. Tagore's Songs on Death: Despair to Enlightenment – Bulletin of the Ramkrishna Mission Institute of Culture January 2015.
 22. RituSangitarPatraputekabirPremanubhuti-Sahitya Patra Rabindrabharati Society Janury 2015.
 23. A Study on Personnel Counselling & Training Among Employees' of Research Institute Published in HRR International Journal, Vol. 2 Issue 2 , March 2015.

Writing on Varied Subjects Published in Journals / Newspapers

1. On 29.12.95, In 'The Statesman' – Literary Supplement "Let us dream"(from the Psychologist's point of view)
2. On 18.01.97, In Weekly Bartaman (Bengali) –'GanerVitorDiye (through RabindraSangeet) –Psychologists impression on some Tagore's Poems.
3. On 08.03.97, In Daily Bartaman –"Chatusparni" supplement –Nari (Women) –on the occasion of International Women's Day.
4. On 08.11.97, In Daily Bartaman – Shishu (Children) on the occasion of International Childrens Day.
5. On 25.7.98, In Daily Bartaman- Chatusparni –"TarasankarBandopadhyay-erDristiteNari."
6. On 25.01.99, In Literary Magazine –"Madhukatha"(From Bangladesh) Analysis of Lyrics

- of Madhusudan Dutta' Atmabilap'(Self-Lamination)and 'BangabhumirPrati'' (To my Native land).
7. On 06.02.99, In Weekly Bartanman –“JibanandarDristitite “Death’.
 8. On July 1999, In Monthly Magazine- ‘Disha ‘-An article on occasion of International Day Against Drug Abuse and Illicit Trafficking
 9. On July-Sept 99, In Quarterly Magazine –“Narijagat ‘ (female character in short stories of Balai Chand Mukhopadhyay).
 10. On 2nd Oct. 1999, In Weekly Bartanman –An article on the occasion of 10th International Conference on Drug Related Harm at Geneva”.
 11. On July –Sep 2000, In Quarterly Magazine –“Narijagat ‘KabiderDristiteSarat’.
 12. On 2nd Dec 2000, In Daily Bartaman –Chatusparni ‘AIDS –Increasing Risk Factors Among Women’ on the occasion of International AIDS Day’.
 13. On 6th Jan’2001, In Weekly Bartaman –Few days in Jersey Island.
 14. On 2nd May 2001, In Daily Bartaman- Chatusparni –Women of India today.
 15. On 30th June 2001, In Daily Bartaman- Chatusparni- A Report “On the Occasion of International Day against Drug Abuse and Illicit Trafficking.
 16. On September 2001, In Narijagat –An article on Puja Festival
 17. On December 2001, In Daily Bartaman, an article ‘Reflection on our (women’s) thinking’ on the occasion of International AIDS Day.
 18. On December 2002, In Weekly” Bartamam article “America –e atithi”
 19. On October 2003, In “Sangha-Shathi”,an article ‘RabindraChetanay Ananda’
 20. On May 2008, In Weekly Bartaman article, ‘Eiffel Tower er Niche’.
 21. On March 2009, In Bartaman article ‘Mohini Singapore-a’.
 22. On October 2009, In Dainik Bangla Statesman . NesharogarUpashamaAdhyatikatarPravab
 23. On March 2012, In GourBalayaNabanandadhara – An article on Psychospirituality.
 24. On October 2012, In Sarir o Sastha - An article on Jungian analysis.
 25. On April 2013, In Udbodhan - Jogodharsan o Manasamikhan.
 26. On April 2014, In Susastho – Manusik chap theyke RIBT.
 27. On May 2014, In Susastho – Analysis of Dream.

28. On May 2014, In Danik Bangla Statesman – Article on Tagore.
29. On June 2014, In Susastho – NeshaMuktirUpai.
30. On June 2014, In Utbhadhan – An article on Values.
31. On July 2014, In Susastho – An article on physiology on Emotion.
32. On August 2014, In Danik Bangla Statesman – Article on Rishi Aurobindo.
33. On October 2014, In Danik Bangla Statesman- Devi KalikaVishwarDipalika.
34. On April 2015, The Autobiography of a flowery girl-Voices of Hope NIMHANS.

Public Lecture

1. Psychospiritality: A Vision of Hope – Shibananda Hall of the Ram Krishna Mission Institute of Culture, Golpark – 17th February , 2009
2. A lecture on Tagore and Freud in Asiatic Society – 4TH December, 2009.
3. A lecture on Tagore’s songs in Music & Wellness Conference at American Center – 15th March 2011.
4. A lecture on Tagore’s Gitanjali – in Asiatic Society 11th April 2011A lecture on Tagore’s GitanjaliCalcutta Metropolitan Institute of Gerontology (CMIG) 10th May 2011.
5. A Lecture on RabindraGaneAdhyatabad - Shibananda Hall of the Ram Krishna Mission Institute of Culture, Golpark – 21st September , 2012.
6. A Lecture on “SmaraneVaraneGeetanjali” Shibananda Hall of the Ram Krishna Mission Institute of Culture, Golpark 13th August 2013.
7. A Lecture on Tagore’s Poetry and keats’Poetry –A Psychodynamically Oriented Study– Nehru Centre London, April, 2015.

Books

1. A book titled as ‘Romantic Poetry: A Psychoanalytically Oriented Study’ was Published by Firma KLM Private Ltd ,Kolkata, in January 2002
2. A book titled as ‘*Psychospiritality: A Vision of Hope*’ was published by Puthipatra (Calcutta) Private Limited January 2010.
3. A book titled as “**SmaraneVaraneGeetanjali**” was published by Print Line January 2011

4. A book entitled as “**Antarbritter Alay**” was published by Aparna Prakashani January 2012
5. A book entitled as **RabindraBhavnayPrem** was published by Aparna Prakashani January 2013
6. A book entitled as **RabindraGanaPrakriti** was published by Aparna Prakashani January 2014.
7. Edited Book- Reaching our voices- Psychology of Women Edited by Rashmi Singh- Chapter Written on Women’s Spirituality.
8. A book entitled as **Counselling and Psychotherapy – in RabindraSangeet** by Aparna Prakashani– Janury 2015.

EVALUATIVE REPORT **DEPARTMENT OF STATISTICS**

1.	Name of the department:	STATISTICS	
2.	Year of Establishment:	1952	
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	Under-graduate (UG) Programmes: B.Sc. (Honours) B.Sc. (General)	
4.	Names of Interdisciplinary courses and the departments/ units involved	M.Sc. Environmental Science M.Sc. Applied Geology M.Sc. Zoology Add-on Course	
5.	Annual/ semester/ choice based credit system (programme wise)	Under Graduate: Annual System as per University of Calcutta norms	
6.	Participation of the department in the courses offered by other departments		
	COURSE	FACULTY	PARTICIPATION AS
	M.Sc. Environmental Science	Ena Chatterjee	Co-ordinator, Paper-Setter, Examiner
	M.Sc. Environmental Science	Debika Halder	Paper-Setter, Examiner
	M.Sc. Environmental Science	Shirsendu Mukherjee	Examiner, Paper-Setter
	M.Sc. Environmental Science	Aniruddha Choudhuri	Examiner, Paper-Setter
	M.Sc. Applied Geology	Taranga Mukherjee	Teaching
	M.Sc. Zoology	Dhiman Dutta	Teaching
	Add-on Course	Dhiman Dutta	Teaching, Paper-Setter

ASUTOSH COLLEGE SSR 2015

7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL				
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL				
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled		
		Professor				
		Associate Professor	2	2		
		Assistant Professor	3	3		
		CWTT				
		PTT	1	1		
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name		Qualifi cation	Designation	Specialization	No. of Years of Exp.	No. of PhD students
Tapati Bagchi		M.Sc.	Associate Professor	Design of Experiments	27 (Retd. Nov 2011)	NIL
Debika Halder		M.Sc.	Associate Professor	Design of Experiments and Operations Research	34 (Retd. Feb 2016)	NIL
Ena Chatterjee		M.Stat.	Associate Professor	Applied Statistics and Data Analysis	34	NIL
Dhiman Dutta		Ph.D.	Assistant Professor	Statistical Inference	05	NIL
Shirsendu Mukherjee		Ph.D.	Assistant Professor	Statistical Inference	10	NIL
Sankha Bhattacharya		Ph.D.	Assistant Professor	Time Series and Econometrics	08	NIL

ASUTOSH COLLEGE SSR 2015

11.	List of senior visiting faculty	Visiting Faculty		Institute	
		Prof.Bikas K Sinha		Indian Statistical Institute, Kolkata	
		Prof. Asis K Chattopadhyay		Department of Statistics, University of Calcutta, Kolkata	
		Prof. Kashinath Chatterjee		Department of Statistics, Viswa-Bharati University, Shantiniketan.	
12	Percentage of lectures delivered by temporary faculty	22%			
13.	Student -Teacher Ratio (programme wise)	Session	UG		
		2011-12	45:1		
		2012-13	45:1		
		2013-14	44:1		
		2014-15	44:1		
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	POST	SANCTIONED	FILLED	
		Laboratory Attendant	2	2	
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	Ph.D. : 3 P.G. : 2			
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL			
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL			
18.	Research Centre/ facility recognized by the University	NIL			

DEPARTMENT OF STATISTICS

			in Statistics, University of Calcutta.
		Shirsendu Mukherjee	<ul style="list-style-type: none">Life Member, Calcutta Statistical Association, Kolkata.
		Sankha Bhattacharya	<ul style="list-style-type: none">Life Member, Indian Statistical, Institute Kolkata.
	b) International Committees	NIL	
	c) Editorial Board	NIL	
22.	Student projects		
a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL	
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	NIL	
23.	Awards/ Recognitions received by faculty and students:		
	AWARD RECEIVED BY STUDENTS		
	NAME	AWARD	SESSION
	Swarnita Chakraborty	SyamaprasadMookerjee Memorial Prize B.Sc Part 3 Topper (all Departments)	2013-14
	Amarnath Nandy	Jogilal Halder Memorial Prize B.Sc Part 1 Topper in Statistics	2014-15
	Kalins Banerjee	Kesablal Ganguly Memorial Prize B.Sc Part 2 Topper in Statistics	2014-15
	Abhirup Bardhan	Hashi Ganguly Memorial Prize B.Sc Part 3 Topper in Statistics	2014-15
	24.	List of eminent academicians and scientists/ visitors to the department:	
	<ul style="list-style-type: none">Prof. Bimal Kumar Roy, Director, Indian Statistical Institute, KolkataProf. Saibal Chattopadhyay, Director, Indian Institute of Management, CalcuttaProf. Bimal Kumar Sinha, University of Maryland, Baltimore County, USAProf. Bikas Kumar Sinha, Indian Statistical Institute, Kolkata		

	<ul style="list-style-type: none"> • Mr. Swaraj Nath, Ex-DG, Central Statistical Office • Mr. AtanuShasan Basu, DDG, Central Statistical Office • Prof. Tathagata Bandyopadhyay, IIM, Ahmedabad • Prof. Sugata Sen Roy, Department of Statistics, University of Calcutta • Dr. Gourangadeb Chattopadhyay, Department of Statistics, University of Calcutta • Prof. Alok Goswami, Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata • Prof. Probal Chaudhuri, Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata • Prof. Indranil Mukhopadhyay, Human Genetics Unit, Indian Statistical Institute, Kolkata • Prof. Arnab Chakraborty, Applied Statistics Unit, Indian Statistical Institute, Kolkata • Mr. Raj Goutam Mitra, Chief of Demographic and Social Statistics Section, African Centre for Statistics • Dr. Rajib Acharya, Population Council, New Delhi • Mr. Onkar Prasad Ghosh, DDG, NSSO • Dr. Rahul Bhattacharyya, Department of Statistics, University of Calcutta • Dr. Shovan Chowdhury, IIM, Kozhikode • Mr. Satyaki Bhattacharyya, IBM • Dr. Arindam Chakraborty, Department of Statistics, Viswa Bharati University • Dr. Analabha Basu, National Institute of Biomedical Genomics • Dr. Souraish Das, Chennai Mathematical Institute 	
25.	Seminars/ Conferences/ Workshops organized & the source of funding	
	a) National:	<ul style="list-style-type: none"> • National Seminar on Advances in Statistics: Techniques and Applications Date: 19th and 20th December, 2013 In collaboration with Calcutta Statistical Association Funding Agencies: Ministry of Statistics and Programme Implementation (MOSPI), Government of India. Reserve bank of India. Indian Statistical Institute, Kolkata. Council of Scientific and Industrial Research (CSIR). • Awareness Programme on Opportunities and Prospects at the National Sample Survey Office (NSSO) Date: 8th February, 2014 Funded by College • Seminar on “Role of Statistics in Our Society” Date: 6th February, 2016 Funded by College

ASUTOSH COLLEGE SSR 2015

	b) International:	NIL						
26.	Student profile programme/ course wise:							
	Name of the Programme: BSc with STATISTICS (Honours) (UG)							
	Year	Appli Rcvd	Selected	Enrolled		Year	Pass %	No. 1 st Class
				M	F			
	2015-16	1054	95	68	27	2015-16	90.57%	14 (2 ND)
	2014-15	985	95	62	33	2014-15	83.72%	12
	2013-14	818	77	53	24	2013-14	96.08%	24 (1 ST ,2 ND)
	2012-13	803	68	41	27	2012-13	97.22%	11
NB: ADMISSION RECORD OF 1ST YEAR AND PASS PERCENTAGE OF OUTGOING 3RD YEAR								
27.	Diversity of Students							
	Name of the Course: : BSc with STATISTICS (Honours) (UG)							
	Year	% of Students from the same state		% of students from other States		% of students from abroad		
	2015-16	100%		NIL		NIL		
	2014-15	98.9%		1.1%		NIL		
	2013-14	100%		NIL		NIL		
	2012-13	100%		NIL		NIL		

28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.	
	The Department being an undergraduate department this is not applicable for us. However, lot of our ex-students qualify NET, SET, ISS and other examinations.	
29.	Student progression:	
	Student Progression	Against % enrolled
	UG to PG	Almost 100%
	PG to M.Phil	Data not available
	PG to Ph.D	Data not available
	Employed	More than 80% after completion of PG
	Campus Selection	1% -2%
	Other than campus recruitment	Mostly
	Entrepreneurship/Self Employment	Data not available
30.	Details of Infrastructural facilities	
	(a) Library: The department has its departmental seminar library in addition to the central library facility. Departmental library is well maintained. It contains 1044 books. The Central Library has 1373 books while the reading room has 53 books.	
	(b) Internet facilities for Staff & Students: Available. Details of the computer facility are given below: Internet facility is available in two desktops for the faculty members along with a laptop and a dongle.	
	CONFIGURATION	NUMBER
	DESKTOP: hp Intel (R) Core (TM) i3-3220 CPU @ 3.30 GHz, RAM 4.00 GB, 32 bit OS, Windows 7 Ultimate	2
	LAPTOP: LENOVO G580 Intel (R) Core (TM) i3-2348M CPU @ 2.30 GHz, RAM 2.00 GB, 32 bit OS, Windows 7 ultimate	1
	(c) Class rooms with ICT facility:	

	We have a class-room where microphone facility is available. Moreover we have a computer laboratory for ICT enabled teaching.	
	(d) Laboratories: One laboratory with 30 desktops for the students and one additional desktop for the teacher. The computer lab has two printers. All the computers are connected through local area network. Moreover in the staff room there are 2 more desktops for the teachers with internet facility and printers. We also have a laptop with internet facility.	
	DESKTOP: hp Intel (R) Core (TM) i3-3220 CPU @ 3.30 GHz, RAM 4.00 GB, 32 bit OS, Windows 7 Ultimate	7
	DESKTOP: hp Intel (R) Core (TM) i3-2120 CPU @ 3.30 GHz, RAM 4.00 GB, 32 bit OS, Windows 7 Ultimate	6
	DESKTOP: hp Intel (R) Core (TM) i3-3220 CPU @ 3.0 GHz, RAM 4.00 GB, 32 bit OS, Windows 7 Ultimate	2
	DESKTOP: hp Intel (R) Pentium (TM) 4 CPU @ 3.00 GHz, RAM 960 MB, 32 bit OS, Windows XP	8
	DESKTOP: hp Intel (R) Core (TM) 2 Duo CPU E4500 @ 2.20 GHz, RAM 0.99 GB, 32 bit OS, Windows XP	8
31.	Number of students receiving financial assistance from college, university, government or other agencies	Few students receive financial assistance. Proper data will be available from college profile.
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:	<ul style="list-style-type: none"> • Special Lectures were delivered by Prof. A.K. Chattopadhyay, Department of Statistics, University of Calcutta and Prof. K. Chatterjee, Department of Statistics, Viswa-Bharati University on 5th September, 2013 • National Seminar on Advances in Statistics: Techniques and Applications was organized by the Department in collaboration with Calcutta Statistical Association with Speakers from

		<p>different Institutes, Universities and Organizations on 19-20 December, 2013.</p> <ul style="list-style-type: none"> • A special awareness programme on “Opportunities and Prospects at the National Sample Survey Office (NSSO)” was organized by the Department in collaboration with NSSO on 8th February, 2014. Resource Persons were Mr. V K Dubey (Deputy Director, Field Operations Division NSSO) and Mr Omkar Prasad Ghosh (DDG, NSSO) • Centenary Seminar organized by the Department on 12th September, 2015. Prof. (Retd.) Bikas K Sinha, Indian Statistical Institute was the speaker in this seminar. • Centenary Seminar organized by the Department on 13th January, 2016. Prof. Sourish Das, Chennai Mathematical Institute was the speaker in this seminar. • Centenary Seminar organized by the Department on 6th February, 2016. Prof. Saibal Chattopadhyay, Director, IIM-C; Mr. Omkar Prasad Ghosh, Director, NSSO; Dr. Analabha Basu, National Institute of Biomedical Genomics and Dr. Arindam Chakraborty, Viswa Bharati University were the speakers in this seminar.
33	Teaching methods adopted to improve student learning:	
	<ul style="list-style-type: none"> • Apart from regular class room teaching, the Department organizes special classes/lectures by eminent teachers/experts. • One-to-one contact method with students for problem solving and answer correction. • Arranging regular class tests. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	<ul style="list-style-type: none"> • Some students are in the College Unit of NCC. • Students are also engaged in cultural activities and with other fellow students of the 	

	<p>college have organised a drama team named 'Rupakar' which is regularly engaged in staging plays.</p> <ul style="list-style-type: none"> • Some students regularly take part in sports and games. • Students participate in the Blood Donation Camp & Health Awareness programme organized by the NSS Unit of the College 	
	<p>Ena Chatterjee: Seminar Attended:</p> <p>National : 2</p> <p>Debika Halder: Seminar Attended:</p> <p>National : 4; International: 2</p> <p>Dhiman Dutta: Seminar Attended:</p> <p>National : 6; International: 2</p> <p>Presented in 1 International Seminar</p> <p>Shirsendu Mukherjee: Seminar Attended:</p> <p>National : 11; International : 3</p> <p>Presented in 1 National and 1 international seminar</p> <p>Sankha Bhattacharya: Seminar Attended:</p> <p>National : 5 ; International :2</p> <p>Presented in 2 National seminars</p> <p>DETAILS GIVEN AS ANNEXURE II</p>	
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> • Fully qualified faculty members, learner-centric teaching. • Well-equipped laboratory set up. • High success rates in examinations as compared to University results. • Harmonious relationship among the teachers, students and parents. • Subject is in demand due to availability of jobs to trained statisticians. • Representation of faculty members in board of studies contributing to curriculum design and implementation.
	Weaknesses:	<ul style="list-style-type: none"> • Acute scarcity of space which particularly hinders the

		<p>academic activities.</p> <ul style="list-style-type: none"> • Student: Teacher ratio is not sufficient to cope-up the day-to-day academic affairs. • Paucity of time of the teachers in research activities. • Participation in seminars and conferences at national and international level by the faculty members is quite low. • Documentation of departmental activities is not done regularly.
	<i>Opportunities:</i>	<ul style="list-style-type: none"> • Enhancing the use of ICT facility in teaching and learning process for quality improvement. • Increasing scope of multidisciplinary research involving students. • Arranging tutorial classes for competitive examinations like ISI/IIT/CU entrance. • Participation in surveys and industry visits to increase understanding of the subject among the students.
	<i>Challenges:</i>	<ul style="list-style-type: none"> • Securing research projects in near future to upgrade the research environment of the department. • Upgradation of the training of students for improving result in the university examinations. • Encouraging the students to compete for admission to the premier institutions like the ISI, IIT's and other universities. • Keeping pace with the advancement of the subject. • To maintain the quality as well as to sustain the rich legacy of the Department.
	<i>Future plans:</i>	<ul style="list-style-type: none"> • To develop the department as one of the best Statistics Departments in the state of West Bengal. • To arrange more special classes, tutorial classes by implementation of state-of-art teaching methods to stop drop-out and ensure 100% success of the students in the University examinations. • Organising more seminars and workshops for the benefit of students. • Enhancing the quality of reference materials by upgrading the Departmental Library.

ANNEXURE I: DEPARTMENT OF STATISTICS

LIST OF PUBLICATION BY FACULTY:

Shirsendu Mukherjee

1. Bandyopadhyay, U., Biswas, A. and **Mukherjee, S.** (2011): Some inferential procedures in randomized repeated measurement design for binary response. **Journal of Korean Statistical Society** **40**, 245-255. IF: 0.353; SNIP: 0.756; SJR: 0.392.
2. Bandyopadhyay, U., Biswas, A. and **Mukherjee, S.** (2012) : A response-adaptive design in crossover trial. **Statistics**, **46**, Number 5, 645-661.
3. Bandyopadhyay, U. and **Mukherjee, S.** (2013) : Test for conditional odds ratio in matching pairs inverse sampling design. **Statistical Methodology** **12**, 42-59. IF: 0.604; SNIP: 0.998; SJR: 0.706.
4. Bandyopadhyay, U., **Mukherjee, S.** and Dutta, D. (2013) : An approach alternative to the binomial UMPU test. **Statistics and Probability letters** **3**, 1-6. IF: 0.506; SNIP: 0.834; SJR: 0.720.
5. Biswas, A., **Mukherjee, S.** and Kim, K.M. (2014) : Unbalanced and partial group sequential methods for normal responses in clinical trials. **Sequential Analysis**, **33**, 7-22. IF: 0.68; SJR: 0.46.
6. Bandyopadhyay, U., **Mukherjee, S.** and Dutta, D. (2014): A randomized test for the conditional odds ratio of matched pairs in an inverse binomial sampling design. **Biometrical Journal**, **56**, 963-972. IF: 1.152; SJR: 0.78.
7. Bandyopadhyay, U., **Mukherjee, S.** and Dutta, D. (2015) : Reducing sample size in negative binomial UMPU test. **Statistics and Probability letters**, **103**, 57-61. IF: 0.506; SNIP: 0.834; SJR: 0.720.
8. Bandyopadhyay, U. and **Mukherjee, S.** (2015) : Adaptive crossover design for Normal Responses. **Communications in Statistics, Theory and Methods**, **44**, 1466 – 1482. IF: 0.3; SJR: 0.52.

Sankha Bhattacharya

1. Rate of Convergence in the Central Limit Theorem for Parameter Estimation in a Causal, Invertible Arma(P, Q) Model, (2013), Sen Roy, S and **Bhattacharya, S.** *Journal of Time Series Analysis, Vol. 34, Issue 1, pp. 130-137, 2013* Impact factor: 0.783, ISSN: 1467-9892, SJR: 1.18.
2. Asymptotic distribution of the estimated parameters of an ARMA(p, q) process with mixing innovations, (2015) **Bhattacharya, S.** and Sen Roy, S, (2015) Braz. J. Probab. Stat. Volume 29, Number 3, 640-655. Impact factor: 0.47, ISSN: 0103-0752. SJR: 0.41.
3. Asymptotic distribution of the estimated parameters of an ARMA(p, q) process in the presence of explosive roots, Sen Roy, S and **Bhattacharya, S.** *APPLICATIONES MATHEMATICAE, Appl. Math. (Warsaw)* 39 (2012), 257-272. ISSN: 1233-7234(p) 1730-6280(e), IF: 0.11.

4. Rate of Convergence to Normality of Estimators in a Random Coefficient ARMA(p, q) Model,(2011) Sen Roy SM & **Bhattacharya S.** Communications of Statistics: theory and Methods. Vol 40 issue6,pages 1081-1092, ISSN 0361-0926 (Print), 1532-415X (Online), Impact Factor: 0.274, SJR: 0.54.
5. Prediction in a Causal Invertible ARMA(p, q) Process with Martingale Difference Innovations,(2005),A.K. Basu, Sugata Sen Roy and **Sankha Bhattacharya** Journal of Statistical Theory and Applications Volume 4, Number 3, 2005 , 256 -271. ISSN: 1538-7887

Dhiman Dutta

1. Uttam Bandyopadhyay, Atanu Biswas and **Dhiman Dutta**. Adaptive nonparametric tests for the Generalized Behrens-Fisher problem (2010). **Austrian Journal of Statistics** **39**, 309 – 328. IF: 0.775
2. Uttam Bandyopadhyay, Shirsendu Mukherjee and **Dhiman Dutta**. An approach alternative to the binomial UMPU test (2013). **Statistics and Probability Letters**, **83**, 1 – 6. IF: 0.506, SNIP: 0.834, SJR: 0.720.
3. Uttam Bandyopadhyay, Shirsendu Mukherjee and **Dhiman Dutta**.A randomized test for the conditional odds ratio of matched pairs in an inverse binomial sampling design (2014). **Biometrical Journal**, **56**, 963 – 972. IF: 1.152, SJR: 0.78.
4. Uttam Bandyopadhyay and **Dhiman Dutta**. A test for generalized Behrens-Fisher problem with an adaptive interim analysis (2014). **Calcutta Statistical Association Bulletin**, **66**.
5. Uttam Bandyopadhyay, Shirsendu Mukherjee and **Dhiman Dutta**.Reducing sample size in negative binomial UMPU test (2015). **Statistics and Probability Letters**. IF: 0.506, SNIP: 0.834, SJR: 0.720.

ANNEXURE II

NAME	Social Responsibility (ISR) and Extension activities
Ena Chatterjee	<ul style="list-style-type: none"> • Teacher-in-Charge (During the period in which the Principal was on leave) • Co-ordinator, Environmental Science, PG Department • Paper Setter, Examiner, Moderator (Calcutta University) • Paper Setter and Examiner (St. Xavier's College (Autonomous), Kolkata)
	<ul style="list-style-type: none"> • Attended the National Seminar on “Application of Statistics

	<p>and Statistical Computing” organized by Department of Statistics, St. Xavier’s College, Kolkata held on January 30-31, 2013.</p> <ul style="list-style-type: none"> Organized the National Seminar on “Advances in Statistics Techniques and Applications” organized by Department of Statistics, Asutosh College, Kolkata held on December 19-20, 2013.
Debika Halder	<ul style="list-style-type: none"> Member of UG Board of Studies in Statistics, C.U. Co-ordinator of the Syllabus Revision Committee in Statistics of West Bengal Council for Higher Secondary Education. Head Examiner, Moderator, Paper Setter Examiner (Calcutta University) Moderator (Viswa Bharati University) Moderator & Examiner (St. Xavier’s College (Autonomous), Kolkata) Examiner (Kalyani University) Secretary, Teachers’ Council. Asutosh College. <ul style="list-style-type: none"> Attended the seminar “Application of Statistical Tools and Techniques in Multidisciplinary Fields.” Organized by Department of Statistics, Lady Brabourne College, Kolkata held on November 25-26, 2011. Attended the 8th International Triennial Calcutta Symposium on Probability and Statistics held on December, 2012 organized by Dept of Statistics, CU and CSA Attended the National Seminar on “Application of Statistics and Statistical Computing” organized by Department of Statistics, St. Xavier’s College, Kolkata held on January 30-31, 2013. Organized the National Seminar on “Advances in Statistics Techniques and Applications” organized by Department of Statistics, Asutosh College, Kolkata held on December 19-20, 2013. Attended the 9th International Triennial Calcutta Symposium on Probability and Statistics held on December, 2015 organized by Dept of Statistics, CU and CSA Organized the Centenary Seminar on “Role of Statistics in our Society” by Department of Statistics, Asutosh College on 6th February, 2016
Dhiman Duta	<ul style="list-style-type: none"> Paper Setter, Examiner, Moderator (Calcutta University) Paper Setter (West Bengal State University) Paper Setter (Kalyani University)

	<ul style="list-style-type: none"> • Paper Setter (Vidyasagar University) • Paper Setter & Examiner (St. Xavier's College (Autonomous), Kolkata) • Invited Member, UG Board of Studies in Statistics, C.U. • Member, UG Board of Studies in Statistics, St. Xavier's College (Autonomous), Kolkata • Resource Person, Question Bank Workshop, Staff Selection Commission (ER) <ul style="list-style-type: none"> • Attended (also a member of the OC) the seminar "Application of Statistical Tools and Techniques in Multidisciplinary Fields." Organized by Department of Statistics, Lady Brabourne College, Kolkata held on November 25-26, 2011. • Attended National Seminar on Econometrics and Development Statistics organized by Department of Statistics, University of Calcutta held on February 9-10, 2012. • Attended (also a member of the OC) Eighth International Triennial Calcutta Symposium on Probability and Statistics organized by Department of Statistics, University of Calcutta and Calcutta Statistical Association held on December 2012. • Attended (also a member of the OC) the National Seminar on "Application of Statistics and Statistical Computing" organized by Department of Statistics, St. Xavier's College, Kolkata held on January 30-31, 2013. • Organized, as Convener, the National Seminar on "Advances in Statistics Techniques and Applications" organized by Department of Statistics, Asutosh College, Kolkata held on December 19-20, 2013. • Attended National Seminar on Probability and Statistics: Theory and Applications organized by Department of Statistics, Presidency University, Kolkata held on February 6-7, 2015. • Organized as Joint Convener and presented paper at 9th International Triennial Calcutta Symposium on Probability and Statistics organized by Dept of Statistics, CU and CSA, held on December, 2015 • Organized the Centenary Seminar on "Role of Statistics in our Society" by Department of Statistics, Asutosh College on 6th February, 2016
Shirsendu Mukherjee	<ul style="list-style-type: none"> • Paper Setter ,Examiner (Calcutta University)

	<ul style="list-style-type: none"> • Paper Setter (Viswa Bharati University) • Paper Setter (West Bengal State University) • Paper Setter (Vidyasagar University) • Paper Setter (Kalyani University) <ul style="list-style-type: none"> • Attended in the seminar “Recent Advances in Applied Statistics” organized by Department of Statistics, West Bengal State University, Barasat held on July 28, 2010. • Attended the seminar “Application of Statistical Tools and Techniques in Multidisciplinary Fields.” Organized by Department of Statistics, Lady Brabourne College, Kolkata held on November 25-26, 2011. • Attended STAT QUEST-2012 organized by Department of Statistics, University of Calcutta held on February 6, 2012. • Attended National Seminar on Econometrics and Development Statistics organized by Department of Statistics, University of Calcutta held on February 9-10, 2012. • Presented a paper in the seminar “Application of Statistics in Industry and Planning” organized by Department of Statistics, Visva-Bharati, Santiniketan in in collaboration with and Calcutta Statistical Association held on February 25-27, 2012. • Attended the seminar “Application of Statistics in Industry, Social and Biomedical Sciences” organized by Department of Statistics, University of Burdwan held on March 30, 2012. • Attended Eighth International Triennial Calcutta Symposium on Probability and Statistics organized by Department of Statistics, University of Calcutta and Calcutta Statistical Association held on December 2012. • Presented a paper in the International Conference on “Statistics, Science and Society: New challenges and Opportunities” organized by International Indian Statistical Association (IISA), Department of Statistics, University of Madras and Indian Statistical Institute held on International Indian Statistical Association (IISA), Department of Statistics, University of Madras and Indian Statistical Institute. • Attended the National Seminar on “Application of Statistics and Statistical Computing” organized by Department of Statistics, St. Xavier’s College, Kolkata held on January 30-31, 2013.
--	---

	<ul style="list-style-type: none"> • Attended the National Seminar on “Advances in Statistics Techniques and Applications” organized by Department of Statistics, Asutosh College, Kolkata held on December 19-20, 2013. • Attended National Seminar on Probability and Statistics: Theory and Applications organized by Department of Statistics, Presidency University, Kolkata held on February 6-7, 2015. • Attended the workshop: Application of Statistical Techniques in Natural Sciences, December 30-31 2010, organized by Department of Statistics, University of Calcutta in collaboration with Kolkata Resources Centre, Inter University Centre for Astronomy and Astrophysics, Pune. • Attended the 9th International Triennial Calcutta Symposium on Probability and Statistics held on December, 2015 organized by Dept of Statistics, CU and CSA • Organized the Centenary Seminar on “Role of Statistics in our Society” by Department of Statistics, Asutosh College on 6th February, 2016
Sankha Bhattacharya	<ul style="list-style-type: none"> • Paper Setter (Calcutta University) • Examiner (Calcutta University) • Paper Setter (Vidyasagar University) • Attended National Seminar on Econometrics and Development Statistics organized by Department of Statistics, University of Calcutta held on February 9-10, 2012. • Presented a paper in the seminar “Application of Statistics in Industry and Planning” organized by Department of Statistics, Visva-Bharati, Santiniketan in in collaboration with and Calcutta Statistical Association held on February 25-27, 2012. • Presented a paper in the seminar “Application of Statistics in Industry, Social and Biomedical Sciences” organized by Department of Statistics, University of Burdwan held on March 30, 2012. • Attended Eighth International Triennial Calcutta Symposium on Probability and Statistics organized by Department of Statistics, University of Calcutta and Calcutta Statistical Association held on December 2012. • Attended the National Seminar on “Application of Statistics and Statistical Computing” organized by Department of

	<p>Statistics, St. Xavier's College, Kolkata held on January 30-31, 2013.</p> <ul style="list-style-type: none"> • Attended National Seminar on Probability and Statistics: Theory and Applications organized by Department of Statistics, Presidency University, Kolkata held on February 6-7, 2015. • Organized the Centenary Seminar on "Role of Statistics in our Society" by Department of Statistics, Asutosh College on 6th February, 2016
--	--

LIST OF EMINENT ALUMNI

1. Prof. Bimal K Sinha, University of Maryland, USA
2. Prof. (Retd.) Bikas K Sinha, Indian Statistical Institute, Kolkata
3. Prof. (Retd.) S.B. Bagchi, University of Burdwan
4. Prof. N. K. Mondal, University of Calcutta
5. Prof. Uttam Bandyopadhyay, Former Dean of Science, University of Calcutta
6. Prof. Kalyan Das, University of Calcutta
7. Prof. Kashinath Chhaterjee, Viswa-Bharati University
8. Prof. Tathagata Banerjee, IIM, Ahmedabad
9. Mr. Swaraj Nath, Ex-DG, CSO
10. Mr. Atanu Shasan Basu, DDG, Central Statistical Office
11. Mr. Raj Goutam Mitra, Chief of Demographic and Social Statistics Section, African Centre for Statistics
12. Dr. Rajib Acharya, Population Council, New Delhi
13. Mr. Onkar Prasad Ghosh, DDG, NSSO
14. Prof. Atanu Biswas, ISI, Kolkata

EVALUATIVE REPORT

DEPARTMENT OF ZOOLOGY

1.	Name of the department:	ZOOLOGY		
2.	Year of Establishment:	UG – 1925 UG (Hons.) – 1973 PG – 2009		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (B.Sc. Honours and B.Sc. General) PG (M.Sc.)		
4.	Names of Interdisciplinary courses and the departments/ units involved	IFF at UG level ENVS at PG level		
5.	Annual/ semester/ choice based credit system (programme wise)	UG – Annual PG – Semester [Systems as per C.U. norms]		
6.	Participation of the department in the courses offered by other departments	ENVS (PG): Teaching, Examination, Board of Studies IFF (UG): The course is under the Dept. of Zoology. Head of the Dept. of Zoology is the Administrative Head of IFF.		
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	NIL		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor	-	-
		Associate Professor	-	1
		Assistant Professor	6	-
		Contractual Whole Time Teacher	-	5
		Part Time Teacher	-	-

ASUTOSH COLLEGE SSR 2015

10 Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)					
Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of PhD guided
Binayak Mishra	Ph.D.	Associate Professor	Taxonomy	38 (Retd: 2014)	-
Supriya Sengupta	Ph.D.	Associate Professor	Limnology and Fisheries	18 (Retd: 2015)	-
Sajal Bhattacharya	Ph.D.	Associate Professor	Medical Entomology	33	-
Prithwis Kumar Mitra	Ph.D.	Lab Instructor (Selection Grade)	Nyay Philosophy	33	-
Bidisha Sen	Ph.D.	CWTT	Aquatic Bio-Resource	12	-
Lopamundra Mukherjee	M.Phil.	CWTT	Environmental Microbiology	11	-
Dalia Mukherjee	Ph.D.	CWTT	Drosophila Genetics	27	-
Ajay Kumar Mandal	Ph.D.	CWTT	Entomology/ Parasitology	06	-
Sandip Pal	Ph.D.	CWTT	Biotechnology	02	-
Guest Lecturers: <ol style="list-style-type: none"> 1. Dr. Trijit Nanda (Assistant Prof, Vivekananda College, Thakurpukur) 2. Dr. Koushik Pramanick (Assistant Prof, Presidency University) 3. Dr. Adhiraj Datta (Assistant Prof, Suri Vidyasagar College) 					
11.	List of senior visiting faculty: <ol style="list-style-type: none"> 1. Prof. Madhusudan Ghosal (Associate Prof, Retired, Surendranath College) 2. Prof. Samir Banerjee (Professor, Retired, C.U.) 3. Dr. Kamalesh Misra (Associate Prof, Retired, Rishi Bankim Chandra College, Naihati) 4. Dr. Subhas Saha (Associate Prof, Retired, Rishi Bankim Chandra College, Naihati) 5. Dr. Ashoke Kumar Sarkar (Associate Prof, Retired, Vivekananda College, Thakurpukur) 6. Dr. Lakshmikanta Ghosh (Scientist-F, ZSI) 				

ASUTOSH COLLEGE SSR 2015

	7. Dr. Ashoke Kumar Boral (Associate Prof, Retired, Jogomaya Devi College)			
	8. Dr. Nabakanta Jana (Associate Prof, Charuchandra College)			
	9. Dr. Shyamasree Mukherjee (Associate Prof, Dinabandhu Andrews College)			
12	Percentage of lectures delivered by temporary faculty	30% (approx.) of lectures delivered at PG level		
13.	Student -Teacher Ratio (programme wise)	Session	UG	PG
		2011-12	19:1	2:1
		2012-13	21:1	2:1
		2013-14	26:1	1:1
		2014-15	25:1	2:1
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Six (6) Skilled Lab Attendant: 1 Laboratory Assistant: 1 Laboratory Attendant: 4		
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	PhD: 6 MPhil: 1		
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Bidisha Sen – UGC Minor Project (National) Project Title: Cellular, histopathological and biochemical response in some organ systems of a major carp, <i>Labeo rohita</i> (Hamilton, 1992) to an azadioachtin based agrobio contaminant for biomonitoring at the population level.		
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	UGC Minor Project Duration: 2013-14 Amount Sanctioned: Rs. 3,95,000/- Amount Received: Rs. 2,57,500/-		
18.	Research Centre/ facility recognized by the University	NIL		
19.	Publications: a) Publication per faculty b) Number of papers published in peer reviewed journals (bl. national / b2. international) by faculty and students c) Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d) Monographs e) Chapter in Books f) Books Edited g) Books with ISBN/ISSN numbers with details of publishers			

	h) Citation Index i) SNIP j) SJR k) Impact factor l) h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Dr. Sajal Bhattacharya		17	10	5	5		2							
Dr. Bidisha Sen		3	1	1	1		1							
Ms. Lopamudra Mukherjee		1	1	-	-		-							
Dr. Dalia Mukherjee		4	2	1	1		-		1					
Dr. Ajay Kumar Mandal		7	2	1	1		4							
Dr. Sandip Pal		11	-	11	11		-							
PUBLICATIONS LIST: ANNEXURE I														
20.	Areas of consultancy and income generated:			NIL										
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a) National Committees			Dr. Sajal Bhattacharya: <ul style="list-style-type: none">National Academy of Vector Borne DiseasesAssociation of Entomologists										
	b) International Committees			NIL										
	c) Editorial Board			Dr. Sajal Bhattacharya: <ul style="list-style-type: none">International Journal of Mosquito ResearchInternational Journal of Fauna and Biological Studies										
22.	Student projects													
a)	Percentage of students who have done in-house projects including inter departmental/ programme			UG (Final year) – 100% PG – 100%										
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies			NIL										
23.	Awards/ Recognitions received by faculty and students: ANNEXURE II													
24.	List of eminent academicians and scientists/ visitors to the department: <ul style="list-style-type: none">Dr. Samir B. Banerjee, Dept. of Zoology, CUDr. RabindraNath Chatterjee, Dept. of Zoology, CUDr. SumitHomechaudhuri, Dept. of Zoology, CUDr. Gautam Kr. Saha, Dept. of Zoology, CUDr. Sajal Ray, Dept. of Zoology, CU													

	<ul style="list-style-type: none">• Dr. Madhusudan Das, Dept. of Zoology, CU• Dr. ParthibaBasu, Dept. of Zoology, CU• Dr. V. P. Sharma, former Director, NIMR (ICMR) and former President, National Academy of Sciences, India• Dr. B. K. Tyagi, Director, CRME, Madurai (Indian Council of Medical Research) and Dr. V. Veer, Director, DRL, Tejpur (Defence Research and Development Organization)						
25.	Seminars/ Conferences/ Workshops organized & the source of funding				National: A national seminar on “ <i>Arboviral Diseases in the Changing Environment</i> ” was organized at Asiatic Society, Kolkata on 9 th December 2014. Speakers: <ul style="list-style-type: none">• Dr. B. K. Tyagi, Director, CRME, Madurai (Indian Council of Medical Research)• Dr. V. Veer, Director, DRL, Tejpur (Defence Research and Development Organization)• Prof. A. P. Dash, Ex-Director, National Institute of Malaria Research New Delhi, Ex-Advisor, Vector-borne Disease, WHO. International: NIL		
26.	Student profile programme/ course wise:						
Name of the Programme: BSc with ZOOLOGY (Honours) (UG)							
Year	Applic Received	Selected	Enrolled		Year	Pass %	No of 1st Class
			M	F			
2015-16	7205	118	71	47	2015-16	100%	32
2014-15	5984	109	54	55	2014-15	99.5%	28
2013-14	4396	103	43	60	2013-14	96.23%	31
2012-13	4123	85	48	37	2012-13	100%	17
NB: Admission Record of 1st Year and Pass percentage of outgoing 3rd Year							
Name of the Programme: MSc in ZOOLOGY (PG)							
Year	Applications Received	Selected		Enrolled		Pass Percentage	No of 1st Class
				M	F		
2015-16	802	31		8	23	100%	23
2014-15	745	28		5	23	100%	25
2013-14	555	25		4	21	100%	17
2012-13	540	25		3	22	100%	20
NB: Admission Record of 1st Year and Pass percentage of outgoing Year							
27.	Diversity of Students:						
Name of the Course: : BSc with ZOOLOGY (Honours) (UG)							
Year		% of Students from		% of students from		% of students from	

ASUTOSH COLLEGE SSR 2015

		the same state		other States		abroad	
2015-2016		99%		1%		NIL	
2014-2015		100%		NIL		NIL	
2013-2014		98%		2%		NIL	
2012-2013		97%		3%		NIL	
Name of the Course: : MSc in ZOOLOGY (PG)							
Year		% of Students from the same state		% of students from other States		% of students from abroad	
2015-2016		100%		NIL		NIL	
2014-2015		100%		NIL		NIL	
2013-2014		100%		NIL		NIL	
2012-2013		100%		NIL		NIL	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?						
	Year	CSIR-UGC NET	ICMR	GATE	C.U. RET		
	2009-11	2	-	-	-		
	2010-12	-		1	1		
	2011-13	-	1	-	-		
	2012-14	1	-	-	4		
29.	Student progression:						
Student progression							
UG to PG			70% (approx.)				
PG to M.Phil.			Information not available				
PG to Ph.D.			20% (approx.)				
PhD to Post-Doctoral			Information not available				
Employed			Information not available				
Campus selection							
Other than campus recruitment							
Entrepreneurship/ Self-employment			Information not available				
30.	Details of Infrastructural facilities						
	(a) Library: YES UG seminar library: 592 books Central Library: 442 books PG library: 162 books						
	(b) Internet facilities for Staff & Students: YES (Desktop – 1, Laptop – 2 with internet and Wi-Fi facilities)						
Configuration					Number		
Desktop: CRT Monitor; cabinet; keyboard; mouse; speakers; printer (HP); Intel core i3 3.2 GHz processor; 500 GB HDD; 4 GB RAM					1		
Laptop: HP; Intel Core 2 Duo 1.6 GHz processor; 150 GB HDD; 1 GB RAM					1		

Laptop: Compaq; Intel Core 2 Duo 2.0 GHz processor; 250 GB HDD; 1 GB RAM		1
Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.		
(c) Class rooms with ICT facility: One		
(d) Laboratories: Yes (UG – 3, PG – 2)		
<p>Three laboratories at UG level with sink-tap setup integrated sitting arrangement and equipments like binocular microscope, binoculars, compound microscopes, refrigerator, microtome etc.</p> <p>Two laboratories at PG level with sink-tap setup integrated sitting arrangement and equipments like Simple compound microscope, Binocular microscope, Stereo zoom binocular, Variable volume pH meter, Centrifuge (Remi), Refrigerator, Autoclave & Hot air oven, Incubator, Hotplate, Tissue homogenizer, BOD incubator, Computer attached compound microscope, Laminar flow, Vertical and horizontal gel electrophoresis setup with powerpack, Digital weighing machine, Electrical balance, Magnetic stirrer etc.</p>		
31.	Number of students receiving financial assistance from college, university, government or other agencies	A number of students get half and full tuition fee exception from the administration,
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	<ol style="list-style-type: none"> Perspectives of Medically Important Arthropods. Speakers: Prof. Goutam Saha, Dept. of Zoology, CU; Prof. A. K. Hati, Ex-Director of Calcutta School of Tropical Medicine on 13/05/2013 Lecture Series on Completion of 40 Years of Honours (Dept. of Zoology). Speakers: Dr. Sandeep Poddar, Director, Operation & Research, Lincoln College, Malaysia; Dr. Anup Palit, Senior Scientist, NICED, Kolkata on 16/12/2013 Mangrove Ecosystem of Sunderbans. Speaker: Dipak Ranjan Mondal, DPI, Govt. of WB on 08/03/2014 A national seminar on “Arboviral Diseases in the Changing Environment” was organized at Asiatic Society, Kolkata on 09/12/2014 Ribozymes and its Therapeutic Effects. Speaker: Dr. Sandeep Poddar, Director, Operation & Research, Lincoln College, Malaysia on 13/03/2015

		<div>6. Celebration of 75 Years of Zoology Dept. in the Centenary Year of Asutosh College. Speaker: Susmita Majumder on 21/12/2015</div> <div>7. Centenary Lecture Series Programme on the occasion of Centenary Celebration of Asutosh College. Speakers: Prof. Gautam K. Saha, Dr. Anirban Chatterjee on 11/02/2016</div> <div>8. “Perspectives of Animal Science for the School Students” – A Community Outreach Programme. Speakers: Professors of Zoology Department on 01/09/2016</div>
33.	Teaching methods adopted to improve student learning: Periodical mock-test Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none">• Use of Computer aided digital presentation method• Special classes are regularly taken to address the problems of the weaker students.• One-to-one contact method with students for problem solving and answer correction.	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:	
	Name	Institutional Social Responsibility (ISR) and Extension activities
	Dr. Sajal Bhattacharya	Head Examiner, Paper Setter Moderator Examiner (CU) PhD Thesis examiner of Utkal University, University of Madras, Madurai Kamaraj University.
		<ul style="list-style-type: none">• Attended and delivered invited talk in Defence Research Laboratory Raising Day Celebration, DRDO, Tejpur on 20th Nov.,2015• Attended 8th Conference of Medical Arthropodology on Vector-borne Diseases, Burden, Surveillance and Control, Tirunelveli, Tamil Nadu on 26-27 March, 2015• Attended A National Seminar on Arboviral Diseases in the Changing Environment at Asiatic Society, Kolkata on 9th Dec. 2014• Extramural Lecture on “Globalization of a vector exploring the threats with special reference to dengue” at Utkal University, Bhubaneswar. 2014.
Dr. Bidisha Sen	Paper Setter (CU) Examiner (CU and Vidyasagar Univ.-PG)	

		<ul style="list-style-type: none"> • Attended National Level 'Young Scientists' Meet – 2016' Prof. Hiralal Chaudhuri Commemorative Conference at CRNN, Kolkata. 4-5 Feb. 2016 • Attended A National Seminar on Arboviral Diseases in the Changing Environment at Asiatic Society, Kolkata on 9th Dec. 2014
	Ms. Lopamudra Mukherjee	Paper Setter (CU) Examiner (CU and Vidyasagar Univ.-PG) <ul style="list-style-type: none"> • Attended A National Seminar on Arboviral Diseases in the Changing Environment at Asiatic Society, Kolkata on 9th Dec. 2014
	Dr. Dalia Mukherjee	Paper Setter (CU, NSOU-UG) Moderator (CU, NSOU-UG) Examiner (CU, NSOU-UG, RBU, Vidyasagar Univ.-PG) <ul style="list-style-type: none"> • Attended A National Seminar on Arboviral Diseases in the Changing Environment at Asiatic Society, Kolkata on 9th Dec. 2014 • Co-authored as corresponding author in poster presentation at one day symposium on Frontiers in Translational and Regenerative Biology (FTRB 2016), CRNN, Kolkata • Attended and presented paper in 3rd International Conference of Biotechnology and Bioinformatics (ICBB 2016), Pune, India
	Dr. Ajay Kumar Mandal	Paper Setter (CU, NSOU-UG) Examiner (CU, NSOU-UG, RBU, Vidyasagar Univ.-PG) <ul style="list-style-type: none"> • Attended A National Seminar on Arboviral Diseases in the Changing Environment at Asiatic Society, Kolkata on 9th Dec. 2014
	Dr. Sandip Pal	Paper Setter (CU) Internal Examiner (CU) <ul style="list-style-type: none"> • Attended International Conference on Nanoscience and Technology (ICONSAT 2016), IISER, Pune • Attended and presented paper in 3rd International Conference on Nanoscience and Nanotechnology (ICONN 2015), SRM University, Chennai, India. • Attended and presented paper in National Conference on Recent Advances in Biotechnology and Nanobiotechnology (BIONANO 2013), Amity

		<p>University, Gwalior, India.</p> <ul style="list-style-type: none"> • Attended and presented paper in International Conference on Chemical, Biological and Medical Sciences (ICCBMS, 2012), Kuala Lumpur, Malaysia. • Attended and presented paper in International Scientific Conference 2011, Port Dickson, Malaysia. • Attended and presented paper in International Conference on Genomics and Proteomics (ICGP-2011), Kerala, India. • Attended and presented paper in at DST (Govt. of India)-sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends in Animal Science Research and Challenges of the Day, Kolkata, India. • Attended and presented paper in International Conference on Radiation Biology – Nanotechnology, Imaging and Stem Cell Research in Radiation Oncology (ICRB NISRRO 2010), Chennai, India.
	Dr. Prithwis Kumar Mitra	<ul style="list-style-type: none"> • Internal Examiner (CU) – 2015 • Attended A National Seminar on Arboviral Diseases in the Changing Environment at Asiatic Society, Kolkata on 9th Dec. 2014
35. SWOC analysis of the department and Future plans		
	Strengths:	Teaching faculty, good quality of students, enriched library and museum, well equipped laboratories.
	Weaknesses:	Space problem, student-teacher ratio in UG, available infrastructure for quality research.
	Opportunities:	Special guidance for research and national-level examinations, practical exposure to ecological studies, basic research opportunities, quality faculty
	Challenges:	Teacher-student ratio at UG level, available teaching days to cover the whole syllabus.
	Future plans:	Collaborative research, faculty and student-exchange programmes, more field-based studies, classroom with ICT facility at UG level.

ANNEXURE I: DEPARTMENT OF ZOOLOGY**LIST OF PUBLICATIONS BY FACULTY****Dr. Sajal Bhattacharya**

1. Chattapadhyay J, Sarkar RR, Chaki S, **Bhattacharya S**. Effects of environmental fluctuations on the occurrence of malignant malaria – a model based study. *Ecological Modeling* 177:179-192, 2004. IF: 5.19, h-Index: 119, SJR: 1.1, SNIP: 1.075.
2. **Bhattacharya S**. Mosquito-borne diseases in India with special reference to malaria vectors and their control. *Journal of Asiatic Society* L1(2):15-34, 2009.
3. **Bhattacharya S** and Bhattacharya S. Ronald Ross: Known scientist, unknown man. *Science and Culture*. 76(7-8):253-256, 2010
4. **Bhattacharya S**. Challenges of Mosquito –borne Diseases in the Changing ecological conditions. *Journal of the Asiatic Society* Vol. LIII No.3 pp 109-118, 2011.
5. Banerjee P, **Bhattacharya S** and Mukherjee A. Climate Change and Human Health with special reference to vector-borne diseases. *Journal of the Asiatic Society* Vol. LIII No.3 pp118-129, 2011.
6. **Bhattacharya S**. Development and Disease: Interpretation of interrelationship in the context of mosquito-borne maladies. *Science and Culture* vol.78 (1-2), pp. 47-53, 2012.
7. Basu P, Srivastava D K, **Bhattacharya S**. Incidence of Malaria in relation to ABO blood Groups in Kolkata, India. *Journal of Applied bioscience* 38(2): pp. 211-212, 2012.
8. **Bhattacharya S**, Srivastava D. K. and Mandal A. K. Studies on the Vectors of Dengue in the Context of Changing Epidemiology. *Science and Culture* 79(9-10): pp.391-395. , 2013.
9. Srivastava DK and **Bhattacharya S**. 2013. Predatory potential of indigenous and exotic

larvivorous fish for control of mosquito breeding. *J Appl Biosci* 39(2):127-130.

10. Basu P and **Bhattacharya S**. 2014. Review on perspectives of antiviral RNA interference (RNAi) pathway of insects with special reference to mosquito in the context of dengue infection. *Int J Mosq Res* 1(3):74-81. IF: 0.58.
11. **Bhattacharya S**. 2014. Mosquito-borne viruses of public health importance: Evolutionary perspective and changing epidemiology. *J Appl Biosci* 40(1):1-7.
12. **Bhattacharya S** and Basu P. 2014. Japanese encephalitis virus (JEV) infection in different vertebrates and its epidemiological significance: A review. *Int J Fauna and Biol Studies* 1(6):32-37. IF: 4.68.
13. **Bhattacharya S**, Chaudhuri P, Mandal AK, Majumder S, Basu P. 2014. Reappearance of *Anopheles sundanicus* at Sundarban coastal area, West Bengal, India. *J. Appl. Biosci.* 40(1):58-59.
14. **Bhattacharya S**, Pal S, Acharyya D (2016) Are mosquitoes 'a necessary evil'? *Int J Fauna Biol Studies* 3(1):124-129. IF: 4.68.
15. **Bhattacharya S** and Basu P. 2016. The southern house mosquito *Culex quinquefasciatus*: profile of a smart vector. *J Entomo Zool Studies* 4(2):73-81. IF: 0.37.

Dr. Bidisha Sen

1. **Maitra, B., S. Sen.** and S. Homechaudhuri. "Flowcytometric analysis of fish leukocytes as a model for toxicity produced by azadirachtin-based bioagrocontaminant." *Toxicological and Environmental chemistry*. 2014. <http://dx.doi.org/10.1080/02772248.2014.934026>. IF: 0.825, h-Index: 25, SJR: 0.32.
2. Datta Ray, S., R. Ghosh, **B. Maitra** and S. Homechaudhuri. "Molecular detection of bacterial pathogen in fish and study of histopathology and haemopoietic profiles as biomarker." *Advances in Fish Research*, Vol.VI, Pages 142–157

Ms. Lopamudra Mukherjee

1. Chakraborty PR, Mukherjee L. 2011. Effects of climate change on human being. *I.G.A.*

Review, pp 26-30.

Dr. Dalia Mukherjee

1. **Chakrabarti, D.**, Mukhopadhyay, S and Duttagupta, A.K. 1995. A novel genetic interaction between daughterless and a variegating rearrangement strain of *Drosophila melanogaster*. *Genome*, 95: 105-111. IF: 1.424.
2. Mukhopadhyay, S., **Chakrabarti, D.**, Ghosh, S. and Duttagupta, A.K. 1995. Trans-acting suppressors that affect the haplo-X chromatin packaging of the giant (gt) mutant of *Drosophila melanogaster*. *Proc. Zool. Soc.* 47(2):107-123.
3. Duttagupta , A.K., Dutta, P., **Chakrabarti, D.** and Mukhopadhyay, S. 1990. Autosomal loci that affect haplo X-chromatin compaction in *Drosophilamelanogaster*. In : *Proc. Department of Atomic Energy Symp. on advanced Mol. Biol.*, BARC, Bombay, India, January 15-17. pp. 308-316.

Dr. Ajay Kumar Mandal

1. Mallick S., Dutta A., Ghosh J., Maiti S., **Mandal A. K.**, Banerjee R., Bandopadhyay C. And Pal C. Protective Therapy with Novel Chrome Derivative against *Leishmaniadonovani* infection induces Th1 Response in vivo. *Chemotherapy*, 57: pp.388-393, 2011. IF: 1.288, h-Index: 45, SJR: 0.63.
2. Bhattacharya S.,Srivastava D. K. and **Mandal A. K.** Studies on The Vectors of Dengue in the Context of Changing Epidemiology. *Science and Culture* 79(9-10): pp.391-395. , 2013.
3. Bhattacharya S, Chaudhuri P, **Mandal AK**, Majumder S, Basu P. 2014. Reappearance of Anopheles sundaicus at Sundarban coastal area, West Bengal, India. *J. Appl. Biosci.* 40(1):58-59.

Dr. Sandip Pal

1. **Pal S**, Saha C (2015) Preparation and Physicochemical Characterization of Poly (D, L-lactide-co-glycolide) Nanoparticles for Controlled Release of EGCG. *Int J Sci Res* 4(6):862-865.

2. Mondal T, **Pal S**, Dey SK (2015) Fermented black tea ameliorates gamma radiation-induced cellular and DNA damage in human blood lymphocytes. *Int J Biotechnol Res* 3(4):55-64. IF: 0.7658.
3. **Pal S**, Dey SK, Saha C (2014) Inhibition of catalase by tea catechins in free and cellular state: a biophysical approach. *Plos One* 9(7):e102460. doi:10.1371/journal.pone.0102460. IF: 3.54, h-Index: 181, SJR: 1.39.
4. **Pal S**, Saha C (2014) A review on structure–affinity relationship of dietary flavonoids with serum albumins. *J BiomolStructDyn* 32(7):1132-1147. IF: 2.3, h-Index: 50, SJR: 0.56.
5. **Pal S**, Saha C, Datta SC, Dey SK (2013) Studies on black tea (*Camellia sinensis*) extract as a potent antioxidant and a probable radioprotector. *Radiat Environ Biophys* 52:269-278. IF: 1.582, h-Index: 39, SJR: 0.7.
6. **Pal S**, Ghosh D, Dey SK, Saha C (2013) Effect of infusion time and consecutive brewing on antioxidant status of black tea infusion. *Int J Tea Sci* 9(2-3):65-68.
7. **Pal S**, Saha C, Hossain M, Dey SK, Kumar GS (2012) Influence of galloyl moiety in interaction of epicatechin with bovine serum albumin: a spectroscopic and thermodynamic characterization. *Plos One* 7(8):e43321. doi:10.1371/journal.pone.0043321. IF: 3.54, h-Index: 181, SJR: 1.39.
8. **Pal S**, Ghosh D, Saha C, Chakrabarti AK, Datta SC, Dey SK (2012) Total polyphenol content, antioxidant activity and lipid peroxidation inhibition efficacy of branded tea (*Camellia sinensis*) available in India. *Int J Tea Sci* 8(3):13-20.
9. Ghosh D, **Pal S**, Saha C, Chakrabarti AK, Datta SC, Dey SK (2012) Black tea extract: a supplementary antioxidant in radiation induced damage to DNA and normal lymphocytes. *J Environ Pathol Toxicol Oncol* 31(2):1-12. IF: 1.246, h-Index: 39, SJR: 0.48.
10. Bhattacharya S, **Pal S**, Acharyya D (2016) Are mosquitoes ‘a necessary evil’? *Int J Fauna Biol Studies* 3(1):124-129. IF: 4.68.

CHAPTERS IN BOOKS:**Dr. Sajal Bhattacharya: 2**

1. Bhattacharya S. 2011. Vicious cycle of vector, virus and victim in dengue haemorrhagic fever. In: Entomology – Ecology and Biodiversity (Eds: BK Tyagi and V Veer). Published by Scientific Publisher, India. pp 346-360.
2. Bhattacharya S. 2012. Climate change and mosquito-borne diseases: Exploring the impacts and threats. In: Global Climate Security Perceptions, Challenges and Beyond (Eds: A Mukhopadhyay and S Ghosh). ASC and Department of Environmental Science, Calcutta University. pp 260-272.

Dr. Ajay Kumar Mandal: 4

1. Subsidiary Zoology: SZO-3 (Practical Zoology). Block – I and II pp 1-106. Netaji Subhas Open University.
2. Elective Zoology Honours: EZO-12 (Practical Zoology-3). Block – I and II pp 1-36. Netaji Subhas Open University.
3. Subsidiary Zoology: SZO-1. Block – I, Unit - 1-4. pp 1-104. Netaji Subhas Open University.
4. Subsidiary Zoology: SZO-2. Block – II, Unit - 2. pp 1-59. Netaji Subhas Open University.

Dr. Bidisha Sen: 1

1. Datta Ray S, Ghosh R, **Maitra B**, Homechaudhuri S. 2013. Molecular Detection of Bacterial Pathogen in Fish and Study of Histopathology and Haemopoietic Profiles as Biomarker. In: Advances in Fish Research. Published by Narendra Publishing House, Delhi. Pp 142-157.

Books edited: NIL

BOOKS WITH ISBN/ISSN NUMBERS, DETAILS OF PUBLICATIONS:**Dr. Dalia Mukherjee: 1**

1. Jeevan Bijnan Parichay (for class IX) approved by Tripura Board of Secondary Education vide TB No. NOF4(40)TBSE/05/0017/Prov/L.Sc., dt. 29.11.05(2006) co-authored by Dr.Swapan K. Sarkar and **Dr. Dalia Mukherjee**, published by The Janapriya Publishers, Kolkata.

ANNEXURE II: DEPARTMENT OF ZOOLOGY

AWARDS/ RECOGNITIONS RECEIVED BY FACULTY AND STUDENTS

AWARD/RECOGNITION OF FACULTY		
<ul style="list-style-type: none"> A Biography of Dr. Sajal Bhattacharya has been published titled “Dr. Sajal Bhattacharya: An outstanding medico-entomologist”, published by Centre for Research in Medical Entomology (ICMR). Year: 2015 Dr. Sajal Bhattacharya received “Mother Teresa International Award” for his contribution in the field of education. Date and Year: 23rd January, 2014 		
AWARD OF STUDENTS		
NAME	AWARD	SESSION
Arindam Bhattacharjee	Parul Bhattacharya Memorial Prize	2009-11
Soumita Basu	Dakshinaranjan Bhattacharya Memorial Prize	2012-13
Kamalika Pal	Sibkali Misra Memorial Prize	2012-13
Somesh Roy	Sibkali Misra Memorial Prize	2012-13
Pallab Pal	Sibkali Misra Memorial Prize	2012-13
Jonaki Bose	Parul Bhattacharya Memorial Prize	2012-13
Dipanjana Das	Carolus Linnaeus Award	2012-13
Kanad Roy	Highest Marks in BSc 2nd year Test	2012-13
Debanjali Bhattacharya	Dakshinaranjan Bhattacharya Memorial Prize	2013-14
Omtika Roy Chowdhury	Sibkali Misra Memorial Prize	2013-14
Poushali Bose	Sibkali Misra Memorial Prize	2013-14
Sandhya Chhetri	Sibkali Misra Memorial Prize	2013-14
Imtiaz Alam	Parul Bhattacharya Memorial Prize	2013-14
Susmita Majumder	Carolus Linnaeus Award	2013-14
Pallab Dutta	Carolus Linnaeus Award	2013-14
Suparna Mondal	Carolus Linnaeus Award	2013-14

MANAGEMENT STUDIES



EVALUATIVE REPORT OF THE DEPARTMENT OF BBA

1.	Name of the department:	BACHELOR IN BUSINESS ADMINISTRATION		
2.	Year of Establishment:	2001		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG		
4.	Names of Interdisciplinary courses and the departments/ units involved	NA		
5.	Annual/ semester/ choice based credit system (programme wise)	Annual based as per University of Calcutta norms		
6.	Participation of the department in the courses offered by other departments	NA		
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	One and half year Advanced Diploma in Industrial Safety under West Bengal State Council of Technical Education.		
8.	Details of courses/ programmes discontinued (if any) with reasons	NA		
9.	Number of Teaching posts sanctioned and filled		Sanctioned	Filled
		Professor		
		Associate Professor		
		Assistant Professor		
		Contractual Whole Time Teacher	1	1
		Part Time Teacher	1	1
		Guest Teacher	20	20

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)				
	Name	Qualifications	Teaching Experience	Industry / College Link	Imparting in subjects
	Rupa Bhattacharyya	M.A, B.Ed, PGDIRPM, PGD Training and Development	18 Years	Co-ordinator and Faculty	PPM, OB, HRM, Business Ethics, HRD.
	PinakiDey	MCA, MBA	10 Years	Faculty	Computer Application, Programing, MIS
	Dr. SriharsaBaidya	M.A, Ph. D	37 Years	Faculty	B. Maths, B. Stats
	Dr. Arijit Ghosh	M.Sc, PGDM, Ph.D	16 Years	Faculty	B. Maths, B.Stats
	Dr. S. R Acharya	M. Com, FICWA, Ph.D	30 Years	CEO, Coal India, IIMC, Register IIT, Khaagpur, Director NIHD, Dean ILAS	English, Communicative English
	Dr. BiswajitBhadra	M. Com, AICWA, AMIIA, Ph. D	26 Years	Faculty	Adv. Financial Accounting and Reporting, Working Capital
	Dr. ShamindraNathS anyel	M. Sc, MBA, Ph. D	14 Years	Faculty	International Business
	AsokBasu	FICWA, LLB, FCS	16 Years	Director of Personnel Andrew Yule, Chairman cum MD, Tyre Corporation	Finance, Accountancy
	SankarBhadhuri	M. Com, MBA, LLB, FICWA, FCA, FCS	40 Years	Faculty JU, CU	Financial Management, Project Management

	Pranab Kumar Sikder	M. Com, PGDBM, ICAI, CS	18 Years	Company Exe. Andrew & Yule	Cost, Accountancy, Management Accounts and Performance Management and Decision - making
	Pradip Kumar Roy	M. Sc, MBA (XLRI), LLB	14 Year	Managers – Ind. Relation, Organon India Ltd. Manager, Law and Admin, East India Pharmacy	Business Law, HRM, Labour Legislation
	Suparna Biswas Goswami	M.A, M. Phil, MBA. Ph.D	12 Years	Faculty	Micro, Macro Economics
	Ranjan Chatterjee	ICAI, CS	12 Years	Faculty	Audit, Tax
	Paramita Dhar	M.A, MBA	14 Years	Faculty	HRM, Business Environment, Employee Relations
	Dibyendu Chattaraj	MBA, Pursing Ph.D	14 Years	Faculty	OR, Material Management, Marketing, IBM
	Sudip Ghosh	M.A,(Eco), MBA	16 Years	Faculty	Marketing- Advertisement, Employment and Wage Admin
	Sulagna Bhattacharyya	M.A, M. Phil	10 Years	Faculty	Development Economics
	Avik Chattopadhyay	M.Com, MBA, M. Phil	08 Years	Faculty	Sales Management
	Sima Sikder	M.A, B. Ed	10 Years	Faculty	B.Math, B. Stats
	Prabal Chakraborty	Persuing Ph. D	07 Years	Area Business Manager, Get-well Life sciences, Novartis, Sr. Manager,	Sales Management

				Mission of Marcy Hospital, Faculty	
11.	List of senior visiting faculty	NIL			
12	Percentage of lectures delivered by temporary faculty	NIL			
13.	Student -Teacher Ratio (programme wise)	Session	UG		
		2011-12	6:1		
		2012-13	7:1		
		2013-14	7:1		
		2014-15	8:1		
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled				
		POST	SANCTIONED	FILLED	
		Assistant to Librarian	1	1	
		Attendant	1	1	
		Accountant	1	1	
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG	Ph. D: 07 M. Phil.: 02 Post Graduation: 11 Post Graduation with Professional Qualification: 16			
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL			
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL			
18.	Research Centre/ facility recognized by the University	NIL			

19.	Publications: a)Publication per faculty b)Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c)Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d)Monographs e)Chapter in Books f)Books Edited g)Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j)SJR k)Impact factor l)h-index														
	FACULTY	a	b1	b2	c	d	e	f	g	h	i	j	k	l	
	Dibyendu Chattaraj	1							1						
	Avik Chattopadhyay	1							1						
	Shamindra Nath Sanyal	4	2				2								
	Sulagna Bhattacharyya	2							2						
	Suparna Biswas Goswami	1							1						
	Pranab Kr. Sikdar	1							1						
	Paromita Dhar	7	7												
	PUBLICATION LIST : ANNEXURE I Enclosed														
	20.	Areas of consultancy and income generated:				NIL									
	21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
		a) National Committees				<ul style="list-style-type: none">Rupa Bhattacharyya, Member of Indian Society of Training and Development , Dept of HRD, Govt. of IndiaShamindra Nath Sanyal, Calcutta Management Association (CMA), Kolkata, IndiaSuparna Biswas Goswami, Calcutta Management Association (CMA), Kolkata, IndiaPranab Kr Sikdar, Fellow member of ICAI									
	b) International Committees				<ul style="list-style-type: none">Shamindra Nath Sanyal, Association of Indian Management Scholars (AIMS) International, Houston, Texas, USA										

	c) Editorial Board	NIL	
22.	Student projects		
a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL	
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	Students projects in different company. As per the curriculum, the students have to undergo a mandatory one & half months project in different establishments/industries, like Dey’s Medical, Tide Water, Hindustan Paper Corporation Ltd, National Insurance Company Ltd, Power Grid Corporation of India Ltd, Ambuja Cement Ltd Coal India Limited, CESC Limited, Bank of Borada, ICISI Bank, SBI, UCO Bank, Honda, Bengal Harley Davidson, Time Business Solutions, ESAB, Indofil Ltd, Aditya Birla, Jayashree Textile, Barger Paints, Pizza Hut, Coca-cola Diamond Beverage ltd, Priya Food Ltd, Airport Authority of India, Indian Oil Corporation Ltd, BM Birla Heart Research Ltd, Calcutta Medical Research Institute, Zindal Ltd, Visa Power Ltd, Suzuki Star-brust Motor Pvt. Ltd, Bisk Firm, Tazza TV, Asian paint, Vodaphone, Airtal, Infinity InfoTech Parks Ltd, East India Pharmaceutical Works Ltd, Royal Enfield Austin Ltd, Printofix, VIP luggage, ITC Sonar Bangla WebFil Ltd, Karbala Tea Estate, Banarhat Tea Estate, Choonabhutti Tea Estate, New Dooars Tea Estate,	
23.	Awards/ Recognitions received by faculty and students: AWARD BY STUDENTS		
	NAME	AWARD	SESSION
	Shubham Sarda	Awarded as best batsman in East Calcutta Sports Committee	2007
		First and Second Division Cricket Tournament joined as Captain and won 400 metre run	-
		Participated in Inter School Cricket Tournament (U-15) as a Captain	-
	Ronit Roy Chowdhury	Secured Green Belt in Karate Competition	2011
	Rituparna Das	Placed in First Division with distinction in Nazrul Geeti from Bangiya Sangeet Parishad	2012
	Ronit Kar	Participated in regional sports meet and secured first position	2014-15

24.	List of eminent academicians and scientists/ visitors to the department:	University Professors and eminent Professional from different Industries.						
25.	Seminars/ Conferences/ Workshops organized & the source of funding	NIL						
26.	Student profile programme/ course wise:							
	Year	Applicati on Rcvd	Selected	Enrolled		Year	Pass Percenta ge	No. 1 st Class Year
				M	F			
	2015-16	1523	75	40	35	2015-16	100%	2
	2014-15	1354	66	39	27	2014-15	100%	6 (3 rd , CU)
	2013-14	979	66	46	20	2013-14	100%	5
	2012-13	1001	67	47	20	2012-13	100%	15 (3 rd , CU)
	27	Diversity of Students Name of the Course: : BBA						
Year		% of Students from the same state		% of students from other States		% of students from abroad		
2015-16		88%		12%		-		
2014-15		82%		18%		-		
2013-14		89%		11%		-		
2012-13		89%		11%		-		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA							
29.	Student progression:							
Student progression								
UG to PG			More than 70%					
PG to M.Phil.			Data not available					
PG to Ph.D.			Data not available					
Employed			Data not available					
Campus selection			Every year different companies / corporate visit us for selection of students for appointments, depending on their requirements, like M/S IBM, Cognigent, Kotak Mahindra, Wipro, Tata group of Industries, L & T, Shaproji and Pallonji, Indian oil, Haldia Petrochemical, Axix Bank, Resmi Group, Ranbaxy, Glaxo, ICICI Bank etc.					
Other than campus recruitment			Data not available					
Entrepreneurship/ Self-			Very few students joined their family business.					

employment					
30.	Details of Infrastructural facilities				
	(a) Library: Seminar Library: 949 books Central Library: 949 books				
	(b) Internet facilities for Staff & Students: Available. Staff and students are getting Internet facilities as and when required. Specifically in their Computer classes, during Project copy making and data collection and information for their studies through Internet.				
Internet Provider: BSNL. Internet is Wi-Fi enabled and students may use internet from their machine through Wi-Fi.					
(c) Class rooms with ICT facility: AC Class rooms with Digital Projector, Sound System					
SI No	Description /Brand	Location	Qty	Configuration	Model
01	Projector	BBA CLASS(1)	01	SHARP (Notevision)	XR50S
02	Projector	BBA CLASS (2)	01	SHARP (Notevision)	XR50S
03	Projector	SAFETY CLASS	01	BENQ	DLP
01	Printer	BBA office	01	HP 1020 PLUS	CNCH259783
(d) Laboratories: 02 (Computer Lab).					
SL NO	Description /Brand	Location	Qty	Configuration	Model
01	Computer	Computer lab	18	*Intel Pentium duel core G2030 3.GHz * presser 3 rd generation *RAM 2GB DDR 3 Strontium *AOC MONITOR 16” LED *Mother board asrock H61M- S1plus *HDD 500 GB * Cabinet intex with SMPS * HP keyboard with mouse	
01	ASUS LAPTOP	Language LAB	19	*Intel (R) Pentium (R) CPU N340@ 2.16 GHZ *RAM 2GB *19” Display	X553M
02	Assemble CPU	Language LAB	01	*4 GB RAM	

				*LG Monitor *Intel motherboard 3 rd gen *processor 3.30GHZ (I3) *Logitech keyboard with mouse *HDD 1 TB *DVD RW LG	
03	Net work switch	Language LAB	01	10/100 SEED 24 Port	D-Link
04	LAN NETWORK	Language LAB	21	CAT- 6 DLINK	D-Link
05	Headphone	Language LAB	19	I-BALL	
06	Headphone	Language LAB	01 PC	I-BALL	ROCKY
31.	Number of students receiving financial assistance from college, university, government or other agencies		NA As it is completely a self financing course. Instalment facility available.		
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:		As per the BBA curriculum of Calcutta University, the students have to undergo a mandatory one & half months project in different establishments/industries. For this purpose, experts are taking special classes / seminars for Project preparation. <ul style="list-style-type: none"> • Dr. Tridib Chakraborty, Ex Faculty of IIM Calcutta, giving special lectures on HR Projects. • Asok Banerjee, MBA, IIM Calcutta, giving special lectures on Marketing Projects. • Mr. Asok Basu, FICWA, LLB, FCS, giving special lectures on Finance Projects. • Mr. Amar Banerjee, BE, JU, giving special lectures on Power-point presentation. 		
33	Teaching methods adopted to improve student learning: <ul style="list-style-type: none"> • Power Point Presentations • Charts • Slides using OHP • Role Playing • Group Discussions • Games and Exercises • Presentations by students Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> ○ Use of Computer aided digital presentation method ○ Special classes are regularly taken to address the problems of the weaker students. ○ One-to-one contact method with students for problem solving and answer correction. 				

34.	<p>Participation in Institutional Social Responsibility (ISR) and Extension activities:</p> <p>All the faculty members are engaged in BBA Hons. (CU) examination as paper setter, moderator and examiner in different papers.</p> <p>On 4th March i.e on “National Safety Day”, we the following join the Seminar/ Programme conducted by State Labour Department at “Sisir Manch” or State Productivity Council’s auditorium.</p> <p>Prof. Amar Bandyopadhyay. Prof. Rupa Bhatteerjaryya Prof. Pinaki Dey And a few senior students of the 3rd Semester batch.</p> <ul style="list-style-type: none"> • Faculty members and Students attended the “Fire Safety Seminar” organized by Calcutta Municipal Corporation. • Management students visited Banarhat Tea Estate in 2011 for their project study. • Industry Visit: <ul style="list-style-type: none"> a. Mother Dairy’s factory, b. Bisk Farm Bakery, c. Tyre Corporation’s factory at Kankinara, d. Kolaghat Thermal Power station, e. Gujrat Ambuja’s Plant at Dhulagon. 	
35	SWOC analysis of the department and Future plans	
	Strengths:	Our <i>strength</i> is in respect of a learned and experienced batch of faculty for various subjects. Our infrastructure is quite adequate backed up by modern mode of teaching with the help of audio-visual arrangements. The atmosphere is quite congenial to the students and the study is industry linked.
	Weaknesses:	Our <i>weakness</i> lies in space constraint. With the increasing member / demand of the students and varied subjects, we are feeling a shortage in choosing suitable rooms / accommodations. The authority has been made well aware of the situation and remedial measures are under contemplation
	Opportunities:	<i>Opportunities</i> for the students for higher education like MBA, is under the active consideration of the authority. Moreover, we have been tied up with renowned organizations/ corporate for the students’ projects completion and also their campus interviews to help securing jobs after completion of study. A placement cell is operative in this respect
	Challenges:	There is a keen competition among educational institution as there is mushroom growth of private institutions offering BBA courses. Unless there is a distinct superiority of standards, it will be difficult to maintain the student strength. Moreover, as our institution is a renowned and time-tested organization unless up-gradation is ensured in every respect, the dignity of the institution will be tarnished. To maintain the higher standard is definitely a

		challenging job in competitive market conditions. We are endeavoring to create a fault-free condition but things do not turn always in favour. Therefore, we have to be very very conscious about our position and introspection is to run side by side. This hard task is a real <i>challenge</i> to us.
	<i>Future plans:</i>	We are very much optimistic that we will be in a position to open up with MBA course under affiliation to Calcutta University. We are preparing for the infrastructure and have been consulting experienced faculties for their co-operation in this regard. We are seeking guidance from our Principal to accomplish the job.

ANNEXURE-I

Book Publications:

Dibyendu Chattaraj

- Author of Text book on Production Management for BBA under West Bengal University of Technology, Kolkata.

Avik Chattopadhyay

- “*Secrets of the Best Seller: A practical handbook for a Brilliant career in sales*” with ISBN no: 978-93-84381-87-5 (Co author with Prof. Kallol Saha and Ankita Ghosh)

Sulagna Bhattacharyya

- Datta, M and Bhattacharyya, S. (2009), Goods induced service growth or the other way round? Artha Vijnana, Vol L1, No 03, September 2009.
- Bhattacharyya, S. and Dutta, M., Productivity growth in The Indian Economy: An Intermediate input inclusive approach, published in an edited book, BEA, 2014.

Suparna Biswas Goswami

- Published a book on “Human Resource Management I” Systech Education, 1st Edition, Kolkata, 2011, ISBN: 978-81-921008-8-3.

Pranab Kr. Sikdar

- Authored the book, “Advanced Cost and Management Accounting” published by VIVA Books Pvt. Ltd, New Delhi.

Articles publication in Journals:

Paromita Dhar

1. Knowledge process outsourcing: Is India prepared for it? Published in HRM review, ICFAI University Press, November 2006 issue.
2. Business Education in India: Challenges ahead, published in MBA review, ICFAI University Press, November 2006 issue.
3. The A-T approach to workplace happiness, Published in HRM review, ICFAI University Press, July 2007 issue.
4. Understanding the Global issues: An imperative for HR Manager, Published in JIS Management Vista (bi-yearly journal), JIS group, January- June 2009 issue.
5. Wear your right ATTITUDE at workplace, Published in MBA Review, Published in HRM review, ICFAI University Press, January 2010 issue.
6. Credibility crisis in Indian corporate: An outcome of CSR Negligence, 2015, Cambridge University Press (Soon to be published)
7. Boomerang Bosses: Does it indicate ineffectual Leadership Succession Plan? 2013, ICFAI University Press (Under review).

Shamindra Nath Sanyal

1. Banerjee, Asok Kumar and Sanyal Shamindra Nath (2009), “Brand Equity: A strategic Analysis”, The Contemporary Manager, Journal of Clacutta Management Association, 13 (3 & 4).
2. Sanyal, Shamindra Nath and Banerjee, Asok Kumar (2008), “Srudy of changing pattern of Physicians’ Prescription of Dosage schedule- A Kolkata Megapolis study”, Servey, Journal of IISWBM Kolkata 48 (1-2) (ISSN: 0586-0008). Totak citations:1.

Chapter in Books:**Shamindra Nath Sanyal**

1. Sanyal, Shamindra Nath and Banerjee, Asok Kumar (2010), “Importance of Brand equity and distribution in competitive Business environment – An Indian case studies approach”, in lubna Nafees, Om Kumar Krishnan and Tim Gore (eds.), Brand Research , Macmillan India Ltd, New Delhi (ISBN 023-032-870-9)

2. Sanyal, Shamindra Nath and Banerjee, Asok Kumar (2008), “Evolution from commodity to international branding: An Indian case study in Gems and Jewellery segment”, in Lubna Nafees and Omkumar Krishnan (eds.), Brand Rising as Product Fall, Macmillan India Ltd, New Delhi (ISBN 978-0230-63677-4). Total citations:2

OTHERS



EVALUATIVE REPORT OF **THE DEPARTMENT OF B. VOC.**

1.	Name of the department:	B.VOC. COURSE		
2.	Year of Establishment:	2014		
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (Diploma/Advanced Diploma/Degree)		
		Course	Award	Duration
		BVOC	Diploma	1year
			Advance Diploma	2years
			BVoc Degree	3years
4.	Names of Interdisciplinary courses and the departments/ units involved	For General Course, Seven Departments (Phy, Electronics, Mathematics, Communicative En, Zoology, Chemistry and Microbiology are attached two courses and for skilled course mother department like IAF is attached in Aquaculture and Computer Science Department is attached with Soft Development		
5.	Annual/ semester/ choice based credit system (programme wise)	Semester System with choice based credit system		
6.	Participation of the department in the courses offered by other departments	NIL		
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Maple Technologies Supertron Infotech Pvt. Ltd. Apex Body : MCC		
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL		
9.	Number of Teaching posts sanctioned and filled AS per UGC rule, no permanent teacher is sanctioned in General Component of the Scheme. Four Departments have mentioned earlier look after the general component of the course. College has Computer Science Department and Aquaculture Department. These two departments (also experts from Industry) also look after the skilled part.		Sanctioned	Filled
		Professor	-	-
		Associate Professor	2	2
		Assistant Professor	2	2
		CWTT	7	7
		PTT	-	-
		Guest Teachers	8	8

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)				
	Name	Qualification	Designation	Specialization	No. of Years of Exp.
Course Co-ordinator	Madhusudan Banerjee	Ph.D.	Associate Professor	Physical Chemistry	27
Skilled Component: Software Development	Gautam Mahapatra	M.Tech.	Associate Professor	Computer Sc.	18
	Aparup Khatua	M.Tech.	CWTT	Computer Sc.	6
	Shovan Roy	M.Tech.	CWTT	Computer Sc.	4
	Ananya Ganguly	M.Sc.	Guest Lecturer		1
	Santanu Modak	M.Sc., Ph.D. (to be submitted)	CWTT	Computer Sc.	1
	Rima Ghosh	MCA	Guest Teacher	Computer Sc.	1
	AnikethKundu	MCA	Guest Teacher	Multi-media	2
	SauravMalakar	M.Sc.	Guest Teacher	Computer Sc.	3
	Runa Ganguly	M.Sc.	Guest Teacher	Computer Sc.	1
	Debalina Pal	M.Sc.	Guest Teacher	Computer Sc.	3
Skilled Component: Aquaculture	Satyam Kundu	Ph.D., PGD Env. Sc	CWTT	Biological Oceanology	19
	Mukti Chanda	M.Sc.	CWTT	Fisheries	
	Ram Krishna Das	M.Sc.	Assistant Professor	Fish Biology	1
	Priyanka Chatterjee	M.Sc.	Guest Teacher	Fisheries	1
General Component: Electronics	Sourav Kumar Bhowmick	M.Sc, Ph.D	CWTT		2
	Arnab Samadder	M.Sc	CWTT		7
	Madhurima Chatterjee	M.Sc.	Guest Teacher	Electronics	3
General Component: Physics	Suryasarathi Bhattacharaya	Ph.D.	Assistant Professor		2
11.	List of senior visiting faculty	NIL			

12	Percentage of lectures delivered by temporary faculty	100%		
13.	Student -Teacher Ratio (programme wise)	Session	Course	Ratio
		2014-15	Software development	10:1
			Industrial aquaculture & Fisheries	6:1
		2015-16	Software development	9:1
			Industrial aquaculture & Fisheries	8:1
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Post	Sanctioned	Filled
		Lab Instructor	1	1
		Lab Attendant	3	3
		Office assistance	2	2
15.	Qualifications of teaching faculty with D.Sc. /Ph.D./ MPhil/PG	NIL		
16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL		
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL		
18.	Research Centre/ facility recognized by the University	NIL		

19.	Publications: a)Publication per faculty b)Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c)Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d)Monographs e)Chapter in Books f)Books Edited g)Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j)SJR k)Impact factor l)h-index													
FACULTY		a	b1	b2	c	d	E	F	G	H	i	j	k	l
Mukti Chanda		8	6	2 2										
Santanu Modak		5		5									6.27	
Publications: ANNEXURE-I Enclosed														
20.	Areas of consultancy and income generated:				NIL									
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a)National Committees													
	b) International Committees				NIL									
	c) Editorial Board				NIL									
22.	Student projects													
a)	Percentage of students who have done in-house projects including inter departmental/ programme				NIL									
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies				NIL									
23.	Awards/ Recognitions received by faculty and students:													
NIL														
24.	List of eminent academicians and scientists/ visitors to the department:													

NIL							
25.	Seminars/ Conferences/ Workshops organized & the source of funding a) National: NIL b) International: NIL						
26.	Student profile programme/ course wise:						
	Name of the Programme: B.Voc.						
Year	Name of Course	Applications Received	Selected	Enrolled		Pass Percentage	No of 1 st Class
				M	F	-	-
2015-16	Software development	469	93	80	13	-	-
	Industrial aquaculture & Fisheries	233	32	20	12	-	-
2014-15	Software development	269	105	89	16	-	-
	Industrial aquaculture & Fisheries	158	24	17	7	-	-
27.	Diversity of Students						
Name of the Course: B.Voc.							
Year	Course	% of Students from the same state		% of students from other States		% of students from abroad	
2015-16	Software development	100%		-		-	
	Industrial aquaculture & Fisheries	100%		-		-	
2014-15	Software development	100%		-		-	
	Industrial aquaculture & Fisheries	100%		-		-	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA						
29.	Student progression:						
UG to PG			NA				
PG to M.Phil.			NA				
PG to Ph.D.			NA				
Ph.D. to Post-Doctoral			NA				
Employed			NA				
•Campus selection							
•Other than campus recruitment							

Entrepreneurship/Self-employment		NA
30.	Details of Infrastructural facilities	
	(a) Library: Apart from general library we have the departmental seminar library with almost all the books (for General Component & Skilled Component) as recommended by Industrial Partner and Board of Studies framed for the above courses. Seminar Library: 189 books	
	(b) Internet facilities for Staff & Students: Internet connection through cable and Wi-Fi connection has been set up for all the laboratories.	
	(c) Class rooms with ICT facility: Available	
	(d) Laboratories: Well-equipped laboratories for Software Development and Industrial Aquaculture & Fisheries as recommended by Industrial Partner and Board of Studies framed for the above courses <u>Power-backup facility:</u> All laboratories and class rooms are coupled with heavy generator. So, there is no loss in class hour with power failure. Software laboratory is also coupled with on line UPS and 30 minutes battery backup.	
31.	Number of students receiving financial assistance from college, university, government or other agencies	25 students are receiving scholarship @ Rs. 1000/- per month for Community College Scheme.
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	<ul style="list-style-type: none"> Under the Course curriculum, Industrial Partners are taking classes on regular basis both in Theoretical as well as Practical classes (for skilled component) within the College premises. At the same time students are on regular basis visit the Industries for training purpose.
33	Teaching methods adopted to improve student learning:	
	Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> ○ Use of Computer aided digital presentation method ○ Special classes are regularly taken to address the problems of the weaker students. ○ One-to-one contact method with students for problem solving and answer correction. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: By Students: Interested students of the department participate in N.S.S or N.C.C activities. They also	

participate as volunteer in various programs/activities organized by the college.		
By Faculty:		
Santanu Modak		<ul style="list-style-type: none"> • Participated in International Conference on Computing and Systems organized by Dept. of Computer Science, University of Burdwan on 19-20 Nov. 2010 • Participated in 2nd International Conference on Computing and Systems organized by Dept. of Computer Science, University of Burdwan on 21-22 Sep, 2013 • Participated in 10th International Conference on Natural Language Processing(ICON-2013) and 1st Workshop on Techniques on Basic Tool Creation and Its Applications (TBTICA 2013) organized by Centre for Development of Advanced Computing, Noida and IIIT Hyderabad on 18-20 Dec, 2013 • Participated in Colloquium on the lives and works of Sir Asutosh Mookerjee and Acharya BrajendraNath Seal: A Retrospective Endeavour organized by Department of Mathematics, The University of Burdwan on 26th March,2014 • Participated and presented paper in 21st West Bengal State Science and Technology Congress-2014,Organizer The University of Burdwan on 20-21 February 2014 • Participated and presented paper in National Seminar on Recent Aspects in Mathematic sand their Applications (NSRAMA 2014) on 25-26 February, 2014 • Participated and presented paper in Application of Soft Computing & Optimization Techniques in Engineering & Engineering Science (ASCOTEES 2014) on 04-08 March, 2014 • Participated and presented paper in National Workshop on Optimization and Fuzzy Mathematics(NWOFM 2014) on 9-13 September, 2014 • Attended Text Mining Workshop organized by ACM Student Chapter, ISI Kolkata and Indian Statistical Institute on Jan 6-8 , 2014 • Attended Application of Soft Computing & Optimization Techniques in Engineering & Engineering Science (ASCOTEES 2014) organized by Dept. of Electrical Engineering, NIT, Durgapur on March 04-08, 2014 • Attended Big Data Analytics organized by IIT, Kharagpur on 30 June-11 July, 2014 • Attended National Workshop on Optimization and Fuzzy

		<p>Mathematics organized by Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University on 9-13 September, 2014.</p> <ul style="list-style-type: none"> Attended TEQIP-II Sponsored SHORT TERM COURSE On Scientific Computation and Documentation using Open Source Softwares organized by NIT, Durgapur on 01 to 05 December, 2014
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> The department is enriched with highly qualified teachers with research experiences as well as technical knowledge. Faculties are easily accessible and cordial and friendly relation with students. The department can take challenge to run a new course which is first of its kind in India.
	Weaknesses:	<ul style="list-style-type: none"> No reference is available as the course is new. Appropriate skilled persons are not easily available.
	Opportunities:	<ul style="list-style-type: none">
	Challenges:	<ul style="list-style-type: none"> To make our students competent for their future careers in academics as well as in other sectors. To maintain a research environment in our department so that the faculties and students can upgrade themselves.
	Future plans:	<ul style="list-style-type: none"> To open more industry-linked course.

ANNEXURE-I **LIST OF PUBLICATIONS**

Mukti Chanda

1. Paul M, Chanda M, Maity J, Sen Gupta S, Patra BC, Dash G. Parasitic prevalences in fresh water prawn *Macrobrachium rosenbergii* in north and south 24 Parganas districts of West Bengal. *Chron Young Sci* 2010, 1:48-50.
2. Dash G, Yonzon P, Chanda M, Paul M. Histopathological changes in *Labeorohita* (Hamilton) fingerlings to various acclimation temperatures. *Chron Young Sci* 2011;2:2-36. Chanda M, Paul M, Maity J, Dash G, Gupta SS, Patra BC. Ornamental fish goldfish, *Carassius auratus* and related parasites in three districts of West Bengal, India. *Chron Young Sci* 2011;2:51-4.
3. Paul M, Chanda M, Maity J, Sen Gupta S, Patra BC, Dash G. The use of antibiotics and disinfectants in the freshwater prawn (*Macrobrachium rosenbergii*) farms of north and south 24 Parganas districts of West Bengal. *Chron Young Sci* 2011;2:55-8.
4. Paul M, Chanda M, Sen Gupta S., Strategy and scenario for wetland conservation in India. *Chron Young Sci* 2011;2:79-82.
5. Chanda M, Paul M, Maity J, Dash G, Sen Gupta S, Patra BC. Ornamental fish goldfish, *Carassius auratus* and related parasites in three districts of West Bengal, India. *Chron Young Sci* 2011;2:51-4.
6. Chanda M, Paul M, Maity J, Dash G, Sen Gupta S., The use of antibiotics and disinfectants in ornamental fish farms of West Bengal, India. *J Nat Sc Biol Med* 2011;2:139-40.
7. Chanda M, Paul M, Maity J, Dash G, Sen Gupta S, Patra BC. Ornamental fish goldfish, *Carassius auratus* and related parasites in three districts of West Bengal, India. *Chron Young Sci* 2011;2:51-4.
8. Chanda M, Paul M, Maity J, Dash G, Sen Gupta S., The use of antibiotics and disinfectants in ornamental fish farms of West Bengal, India. *J Nat Sc Biol Med* 2011;2:139-40.

Santanu Modak

1. Modak S, Mondal AC. A Comparative study of Classifiers' Performance for Gender Classification. *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 2, Issue 5, May 2014. ISSN(Online): 2320-9801, ISSN (Print): 2320-9798
2. Modak S, Mondal AC. A Model of Structured Opinion Format. *International Journal of Advanced Research in Computer Science and Software Engineering*, Volume 4, Issue 5, May 2014. Page 147-151. ISSN(Online): 2277 128X, ISSN(Print): 2277 6451
3. Modak S, Mondal AC. A Study on Sentiment Analysis. *International Journal of Advanced Research in Computer Science & Technology*, Vol. 2, Issue 2, Ver. 2 (April - June 2014). ISSN :

2347 - 8446 (Online) ISSN : 2347 - 9817 (Print)

4. Modak S, Ghosh S, Mondal AC. A Model to Compute Degree of Polarity of Review Titles. Annals of Pure and Applied Mathematics. Vol. 7, No. 1, 2014. ISSN: 2279-087X (P), 2279-0888(online)
5. Modak S, Ghosh S, Mondal AC. A Model of Opinion Mining for Classifying Movies. International Journal of Advanced Research in Computer Science & Technology, Vol. 3 Issue 1, Ver.1 (January - March 2015). ISSN : 2347 - 8446 (Online) ISSN : 2347 - 9817 (Print)

EVALUATIVE REPORT OF **THE DEPARTMENT OF COMMUNITY COLLEGE**

1.	Name of the department:	COMMUNITY COLLEGE SCHEME (UGC SPONSORED)			
2.	Year of Establishment:	2014			
3.	Names of Programmes/ Courses offered: (UG, PG, MPhil, PhD, Integrated Masters, Integrated PhD etc.	UG (Diploma/Advanced Diploma)			
		Course	Award	Duration	Corresponding NSQF Level
		Community College: Software Development Mobile Communication	Diploma	1 year	5
			Advanced Diploma	2 years	6
4.	Names of Interdisciplinary courses and the departments/ units involved	For General Course, Four Departments are attached in each course and for skilled course mother department like Electronic Department is attached with Mobile Communication and Computer Science Department is attached with Software Development.			
5.	Annual/ semester/ choice based credit system (programme wise)	Semester System with choice based credit system			
6.	Participation of the department in the courses offered by other departments	NIL			
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Samsung India Pvt. Ltd. Gee-Pee Mobile Pvt. Ltd. Maple Technologies Supertron Infotech Pvt. Ltd. Apex Body : MCC			
8.	Details of courses/ programmes discontinued (if any) with reasons	NIL			

9.	Number of Teaching posts sanctioned and filled			Sanctioned	Filled
	As per UGC rule, no permanent teacher is sanctioned in Community College Scheme. College has Computer Science Department and Electronic Department. These two departments will mainly look after the skilled part.		Professor	-	-
			Associate Professor	2	2
			Assistant Professor	1	1
			CWTT	6	6
			PTT	-	-
			Guest Teachers	7	7
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M. Phil. etc.)				
	Name	Qualification	Designation	Specialization	No. of Years of Exp.
Course Co-ordinator	Madhusudan Banerjee	Ph.D.	Associate Professor	Physical Chemistry	27
Skilled Component: Software Development	Gautam Mahapatra	M.Tech.	Associate Professor	Computer Sc.	18
	Aparup Khatua	M.Tech.	CWTT	Computer Sc.	6
	Shovan Roy	M.Tech.	CWTT	Computer Sc.	4
	Ananya Ganguly	M.Sc.	Guest Teacher		1
	<i>Santanu Modak</i>	M.Sc., Ph.D. (to be submitted)	CWTT	Computer Sc.	1
	Rima Ghosh	MCA	Guest Teacher	Computer Sc.	1
	AnikethKundu	MCA	Guest Teacher	Multi-media	2
	Runa Ganguly	M.Sc.	Guest	Computer Sc.	1

				Teacher		
		Debalina Pal	M.Sc.	Guest Teacher	Computer Sc.	3
Skilled Component: <i>Mobile Communication</i>		SauravMalakar	M.Sc.	Guest Teacher	Computer Sc.	3
		Arnab Samadder	M.Sc.	CWTT		7
General Component: <i>Electronics</i>		Sourav Kumar Bhowmick	M.Sc, Ph.D	CWTT		2
		Arnab Samadder	M.Sc	CWTT		7
		Madhurima Chatterjee	M.Sc.	Guest Teacher	Electronics	3
		Suryasarathi Bhattacharaya	Ph.D.	Assistant Professor		2
11.	List of senior visiting faculty		NIL			
12	Percentage of lectures delivered by temporary faculty		100%			
13.	Student -Teacher Ratio (programme wise)	Session	Course			Ratio
		2014-15	Software development			4:1
			Mobile Communication			3:1
		2015-16	Software development			1:1
			Mobile Communication			3:1
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Post	Sanctioned		Filled	
		Lab Instructor	1		1	
		Lab Attendant	3		3	
		Office assistance	2		2	
15.	Qualifications of teaching faculty with D.Sc./Ph.D./ MPhil/PG		NIL			

16.	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	NIL												
17	Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.	NIL												
18.	Research Centre/ facility recognized by the University	NIL												
19.	Publications: a)Publication per faculty b)Number of papers published in peer reviewed journals (b1. national /b2.international) by faculty and students c)Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) d)Monographs e)Chapter in Books f)Books Edited g)Books with ISBN/ISSN numbers with details of publishers h) Citation Index i) SNIP j)SJR k)Impact factor l)h-index													
FACULTY		a	b1	b2	c	d	e	f	g	h	i	j	k	l
Santanu Modak		5		5									6.27	
Publications: ANNEXURE-I Enclosed														
20.	Areas of consultancy and income generated:	NIL												
21.	Faculty as members in a) National Committees b) International Committees c) Editorial Boards.													
	a)National Committees	NIL												
	b) International Committees	NIL												

	c) Editorial Board	NIL					
22.	Student projects						
a)	Percentage of students who have done in-house projects including inter departmental/ programme	NIL					
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	NIL					
23.	Awards/ Recognitions received by faculty and students: NIL						
24.	List of eminent academicians and scientists/ visitors to the department: NIL						
25.	Seminars/ Conferences/ Workshops organized & the source of funding a) National: NIL b) International: NIL						
26.	Student profile programme/ course wise:						
	Name of the Programme: COMMUNITY COLLEGE						
Year	Name of Course	Applications Received	Selected	Enrolled		Pass Percentage	No of 1 st Class
				M	F	-	-
2015-16	Software development	180	11	10	1	-	-
	Mobile Communication	47	6	6	0	-	-
2014-15	Software development	165	33	30	3	-	-
	Mobile Communication	24	6	5	1	-	-
27.	Diversity of Students						
Name of the Course: : COMMUNITY COLLEGE							

Year	Course	% of Students from the same state	% of students from other States	% of students from abroad
2015-16	Software development	100%	-	-
	Mobile Communication	100%	-	-
2014-15	Software development	100%	-	-
	Mobile Communication	100%	-	-
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA			
29.	Student progression:			
UG to PG		NA		
PG to M.Phil.		NA		
PG to Ph.D.		NA		
PhD to Post-Doctoral		NA		
Employed •Campus selection •Other than campus recruitment		NA		
Entrepreneurship/Self-employment		NA		
30.	Details of Infrastructural facilities			
	(a) Library: Apart from general library we have the departmental seminar library with almost all the books (for General Component & Skilled Component) as recommended by Industrial Partner and Board of Studies framed for the above courses. Seminar Library: 193 books Central Library: 193 books			
	(b) Internet facilities for Staff & Students: Internet connection through cable and Wi-Fi connection has been set up for all the laboratories.			
	Desktop Computer: Intel Core i3 4 th generation processor, Asus chipset Motherboard Zion 2 GB, DDR3 RAM, Seagate 500 GB SATA HDD, LG DVD RW, Frontech Keyboard and optical mouse			

	(c) Class rooms with ICT facility: Available	
	(d) Laboratories: Well-equipped laboratories for Software Development and Mobile Communication as recommended by Industrial Partner and Board of Studies framed for the above courses <u>Power-backup facility:</u> All laboratories and class rooms are coupled with heavy generator. So, there is no loss in class hour with power failure. Software laboratory is also coupled with on line UPS and 30 minutes battery backup. <u>Instruments:</u> Microscope Digital Balance pH meter Conductivity Bridge	
31.	Number of students receiving financial assistance from college, university, government or other agencies	25 students are receiving scholarship @ Rs. 1000/- per month for Community College Scheme.
32	Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:	Under the Course curriculum, Industrial Partners are taking classes on regular basis both in Theoretical as well as Practical classes (for skilled component) within the College premises. At the same time students are on regular basis visit the Industries for training purpose.
33	Teaching methods adopted to improve student learning:	
	Along with traditional chalk-and-talk method the department regularly practices the following methods to make the teaching learning more attractive. Those are: <ul style="list-style-type: none"> ○ Use of Computer aided digital presentation method ○ Special classes are regularly taken to address the problems of the weaker students. ○ One-to-one contact method with students for problem solving and answer correction. 	
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities: By Students: Interested students of the department participate in N.S.S or N.C.C activities. They also	

participate as volunteer in various programs/activities organized by the college.		
By Faculty:		
<i>Santanu Modak</i>		<ul style="list-style-type: none"> • Participated in International Conference on Computing and Systems organized by Dept. of Computer Science, University of Burdwan on 19-20 Nov. 2010 • Participated in 2nd International Conference on Computing and Systems organized by Dept. of Computer Science, University of Burdwan on 21-22 Sep, 2013 • Participated in 10th International Conference on Natural Language Processing(ICON-2013) and 1st Workshop on Techniques on Basic Tool Creation and Its Applications (TBTCLIA 2013) organized by Centre for Development of Advanced Computing, Noida and IIIT Hyderabad on 18-20 Dec, 2013 • Participated in Colloquium on the lives and works of Sir Asutosh Mookerjee and Acharya Brajendra Nath Seal: A Retrospective Endeavour organized by Department of Mathematics, The University of Burdwan on 26th March, 2014 • Participated and presented paper in 21st West Bengal State Science and Technology Congress-2014, Organizer The University Of Burdwan on 20-21 February 2014 • Participated and presented paper in National Seminar on Recent Aspects in Mathematic sand their Applications (NSRAMA 2014) on 25-26 February, 2014 • Participated and presented paper in Application of Soft Computing & Optimization Techniques in Engineering & Engineering Science (ASCOTEES 2014) on 04-08 March, 2014 • Participated and presented paper in National Workshop on Optimization and Fuzzy Mathematics(NWOFM 2014) on 9-13 September, 2014 • Attended Text Mining Workshop organized by ACM Student Chapter, ISI Kolkata and Indian Statistical Institute on Jan 6-8 , 2014 • Attended Application of Soft Computing & Optimization Techniques in Engineering & Engineering Science (ASCOTEES 2014) organized by Dept. of Electrical Engineering, NIT, Durgapur on March 04-08, 2014 • Attended Big Data Analytics organized by IIT, Kharagpur on 30 June-11 July, 2014 • Attended National Workshop on Optimization and Fuzzy Mathematics organized by Department of Applied

		<p>Mathematics with Oceanology and Computer Programming, Vidyasagar University on 9-13 September, 2014.</p> <ul style="list-style-type: none"> Attended TEQIP-II Sponsored SHORT TERM COURSE On Scientific Computation and Documentation using Open Source Softwares organized by NIT, Durgapur on 01 to 05 December, 2014
35	SWOC analysis of the department and Future plans	
	Strengths:	<ul style="list-style-type: none"> The department is enriched with highly qualified teachers with research experiences as well as technical knowledge. Faculties are easily accessible and cordial and friendly relation with students. The department can take challenge to run a new course which is first of its kind in India.
	Weaknesses:	<ul style="list-style-type: none"> No reference is available as the course is new. Appropriate skilled persons are not easily available.
	Opportunities:	<ul style="list-style-type: none"> This course is made industry-linked so that students have the opportunity to get employment directly to industries.
	Challenges:	<ul style="list-style-type: none"> To make our students competent for their future careers in academics as well as in other sectors. To maintain a research environment in our department so that the faculties and students can upgrade themselves.
	Future plans:	<ul style="list-style-type: none"> To open more industry-linked course.

ANNEXURE-I
LIST OF PUBLICATIONS

Santanu Modak

1. Modak S, Mondal AC. A Comparative study of Classifiers' Performance for Gender Classification. International Journal of Innovative Research in Computer and Communication Engineering, Vol. 2, Issue 5, May 2014. ISSN(Online): 2320-9801, ISSN (Print): 2320-9798
2. Modak S, Mondal AC. A Model of Structured Opinion Format. International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 5, May 2014. Page 147-151. ISSN(Online): 2277 128X, ISSN(Print): 2277 6451
3. Modak S, Mondal AC. A Study on Sentiment Analysis. International Journal of Advanced Research in Computer Science & Technology, Vol. 2, Issue 2, Ver. 2 (April - June 2014). ISSN : 2347 - 8446 (Online) ISSN : 2347 - 9817 (Print)
4. Modak S, Ghosh S, Mondal AC. A Model to Compute Degree of Polarity of Review Titles. Annals of Pure and Applied Mathematics. Vol. 7, No. 1, 2014. ISSN: 2279-087X (P), 2279-0888(online)
5. Modak S, Ghosh S, Mondal AC. *A Model of Opinion Mining for Classifying Movies*. International Journal of Advanced Research in Computer Science & Technology, Vol. 3 Issue 1, Ver.1 (January - March 2015). ISSN : 2347 - 8446 (Online) ISSN : 2347 - 9817 (Print)

ENCLOSURES



ASUTOSH COLLEGE

92 S P Mookerjee Road, Kolkata 700 026

Phone: (033) 2455 4504, 2486 3912; Fax: (033) 2486 3006

Email: mail@asutoshcollege.in; Web: www.asutoshcollege.in



1916 - 2016

Celebrating Centenary Year

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: KOLKATA

Date: 17.12.2015

Dipak Kumar Kar

DIPAK KUMAR KAR
PRINCIPAL

Principal
ASUTOSH COLLEGE
KOLKATA - 26





1916 - 2016

Celebrating Centenary Year

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that ASUTOSH COLLEGE (Name of the institution) fulfils all norms.

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation/recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 17.12.2015

Place: KOLKATA

Dipak Kumar Kar

DIPAK KUMAR KAR

PRINCIPAL
Principal

ASUTOSH COLLEGE
KOLKATA - 26

(Name and Signature with Office seal)





Universities & Colleges

- [Colleges Under Section 2\(f\) & 12\(B\)](#)
- [Autonomous Colleges](#)
- [Colleges With Potential for Excellence](#)
- [Academic Staff Colleges](#)
- [Universities \(UPE\)](#)
- [Centres \(CPEPA\)](#)
- [Basic Scientific Research](#)
- [Visiting Committee Reports](#)
- [Central Universities](#)
- [State Universities List](#)
- [Deemed Universities](#)
- [Private Universities](#)
- [Fake Universities](#)

Colleges under section 2 (f)& 12(B) of the UGC Act 1956

[Consolidated List of Colleges under section 2\(f\)/12\(B\)](#)

The University Grants Commission (UGC) provides financial assistance to eligible colleges which are included under Section 2(f)* and declared fit to receive central assistance (UGC grant) under Section 12 (B)** of UGC Act, 1956 as per approved pattern of assistance under various schemes.

* The UGC had notified Regulations for recognition of colleges under Section 2(f) of the UGC Act, 1956. The colleges are brought under the purview of UGC in terms of these Regulations as and when the proposals are received from the colleges for inclusion under Section 2(f) and they are found fit for inclusion as per the provisions contained in the Regulations.

** Apart from inclusion of colleges under Section 2(f), the UGC includes the Colleges under Section 12(B) of its Act in terms of Rules framed under the Act. This makes the colleges eligible for central assistance from the Government of India or any organization receiving funds from the Central Government.

For Students

[About NET | UGC NET Online](#)

[Ragging Related Circulars](#)

[Fake Universities | Educational Loan](#)

[Supreme Court Judgments](#)

[Edu Abroad for Indian Students](#)

[Scholarships & Fellowships](#)

[E-Content URL](#)

For Faculty

[Honours and Awards | UGC Regulations](#)

[Pay Related Orders | M R P](#)

[Faculty Recharge | Faculty Development](#)

[Model Curriculum](#)

[University Technology Database |](#)

More

[Notices | Circulars | Tenders | Jobs | UGC ROs | Right to Information Act](#)

[Other Higher Education Links](#)

[Contact](#)



Name and address of the college	Status	Year of Estb.	Nature of Affiliation	Teaching Upto	Govt or Non Govt	Aided or Unaided
Acharya Girish Chandra Bose College 35, Scott Lane Calcutta - 9 District Calcutta West Bengal	2(f) and 12(B)	1965	Permanent	Bachelor's	Non Government	
Acharya Jagadish Chandra Bose College 1/8, Acharya J.C. Bose Road Calcutta - 20 District Calcutta West Bengal	2(f) and 12(B)	1968	Permanent	Bachelor's	Non Government	
Al-Ameen Memorial Minority College Jogibattala, Baruipur, Kolkata-700 145 West Bengal	2(f)	2004	Temporary	Bachelor's	Non Government	
All Bengal Teachers' Training College P-14, Ganesh Chandra Avenue Calcutta - 13 District Calcutta West Bengal	2(f) and 12(B)	1967	Permanent	Bachelor's	Non Government	
Anandamohan College 102/1, Raja Rammohan Sarani, Calcutta - 700 009 District Calcutta West Bengal	2(f) and 12(B)	1961	Permanent	Bachelor's	Non Government	
Ashutosh College 92 - S.P.M. Road Calcutta - 700 026 District Calcutta West Bengal	2(f) and 12(B)	1918	Permanent	Bachelor's	Non Government	
Azad Hind Four Smriti Mahavidyalaya Domjur District Howrah West Bengal	2(f) and 12(B)	1986	Permanent	Bachelor's	Non Government	
Bagnan College Bagnan District Howrah West Bengal	2(f) and 12(B)	1958	Permanent	Bachelor's	Non Government	



UNIVERSITY OF CALCUTTA

SENATE HOUSE

87/1, College Street, Kolkata – 700 073

Prof. (Dr.) Soma Bandyopadhyay

Registrar (Acting)

Phone : 2241-0071/4984

Fax : 91-033-2241-3222

E-mail : somabando@yahoo.co.in

প্রফেসর (ডঃ) সোমা বন্দ্যোপাধ্যায়
কার্যনির্বাহী নিবন্ধক

TO WHOM IT MAY CONCERN

This is to certify that Asutosh College, S.P Mukherjee Road, Kolkata-700 026, West Bengal is affiliated to the **University of Calcutta** and recognized by the University Grants Commission and the following Courses/Subjects are taught in the said college as per approval:

Sl No	Name of the Course(s) and Duration	Affiliation		Period Validity the year
		Permanent	Temporary	
1.	Three years B.A. Honours Courses in English, Bengali, History, Journalism & Mass Communication, Philosophy, Political Science, Psychology, Sanskrit, Sociology.	Permanent		-
2.	Three Year B.A. Major Course in Communicative English.	Permanent		-
3.	3 Year B.A. General courses in Bengali, English, History, Philosophy, Sociology, Sanskrit, Political Science, Economics.	Permanent		-
4.	Three Year B.Sc. Honours course in Biochemistry, Botany, Chemistry, Computer Science, Economics, Electronics, Environmental Science, Geography, Geology, Mathematics, Microbiology, Physics, Psychology, Statistics, Zoology.	Permanent		-
5.	Three year B.Sc. Major Course in Industrial Fish and Fisheries.	Permanent		-
6.	Three year B.Sc. general course in Mathematics, Physics, Chemistry, Computer Science, Geology, Economics, Statistics, Geography, Botany, Zoology	Permanent		-


Principal

**ASUTOSH COLLEGE
KOLKATA - 26**





UNIVERSITY OF CALCUTTA

SENATE HOUSE

87/1, College Street, Kolkata – 700 073

Prof. (Dr.) Soma Bandyopadhyay

Registrar (Acting)

Phone : 2241-0071/4984

Fax : 91-033-2241-3222

E-mail : somabando@yahoo.co.in

প্রফেসর (ডঃ) সোমা বন্দ্যোপাধ্যায়
কার্যনির্বাহী নিবন্ধক

Sl No	Name of the Course(s) and Duration	Affiliation		Period of Validity for the year(s)
		Permanent	Temporary	
7.	Three years Management course in BBA (Hons)	Permanent		-
8.	Three years B.Voc course in Software Development and Industrial Aquaculture and Fisheries.	Permanent		-
9.	Two year M.A. course in Bengali.	Permanent		-
10.	Two year M.Sc courses Environmental Science, Geography, Zoology, Applied Geology, Computer and Information Science.	Permanent		-

Date: 05.02.2016

Place : Kolkata

Prof. (Dr.) S. Bandyopadhyay
Registrar (Acting)

05.01.16.

Registrar (Actg)
University of Calcutta



Principal
ASUTOSH COLLEGE
KOLKATA - 26



VIDYASAGAR UNIVERSITY
DIRECTORATE OF DISTANCE EDUCATION
MIDNAPORE : 721102
WEST BENGAL

Ref.: -

Date:

TO WHOM IT MAY CONCERN

This is to certify that Study Centre of Distance Education of **Asutosh College, 92 S.P. Mukerjee Road, Kolkata-700026, West Bengal** is affiliated to the **Vidyasagar University** since 2012 and recognized by the University Grants Commission and the following Courses/Subjects are taught in the said college as per approval .

Sl	Name of the Course(s) and Duration	Affiliation		Period for Validity for the year(s)
		Permanent	Temporary	
(I)	Two Year MSc Course in Environmental Science	Permanent		
(II)	Two Year MA Course in English, History, Political Science	Permanent		
(III)	Two Year MCom Course	Permanent		

J. Kundu
04.02.2016

Prof. Jayanta Kumar Kundu
Director (Acting)
Directorate of Distance Education
VIDYASAGAR UNIVERSITY



[Signature]
Principal
ASUTOSH COLLEGE
KOLKATA - 26

COMPETENT AUTHORITY

Name: **DR. J. K. NANDI**

Designation: **REGISTRAR**

Seal: **REGISTRAR**
VIDYASAGAR UNIVERSITY
Midnapore

Signature: *[Signature]*

04/02/16



All communications are to be addressed to the Joint Secretary by designation and not by name



UNIVERSITY GRANTS COMMISSION
EASTERN REGIONAL OFFICE
LB 8 Sector III Salt Lake, Kolkata 700 098
Phone : (033) 2335 4767
Fax : (033) 2335 0586
E-mail : ugcer_o_kolkata@yahoo.in

No: F.WC2-006/12-13(ERO)
✓ The Accounts Officer
Eastern Regional Office,
University Grants Commission,
Kolkata.

February 2014
14 MAR 2014

Sanction No.218241

Sub: Release of 15% "Adhoc On account Grant" under the scheme of Under Graduate Development Assistance during XII Plan period.

Sir/Madam,

As per the decision taken in the Commission meeting held on 19th July 2012, 25% of allocation of XI Plan C Development Assistance was released as on account grant for XII Plan period. Now the Commission has decided release up to 40% of GDA allocated to the individual colleges during XI plan period, including 25% of grant already released earlier to the colleges during XII Plan. Accordingly, I am directed to convey the sanction of the Commission for payment of Rs.277500/- to Asutosh College, 92, S P Mukherjee Road, Kolkata, West Bengal 700026 for XII Plan period as detailed below

XI Plan Allocation under GDA (Rs.)	25% of GDA grant already released (Rs.)		15% of GDA grant being released (Rs.)		Total grant released for XII Plan (40% of XI Plan allocation) (Rs.)	
1850000/-	Books & Journals	231250/-	Books & Journals	138750/-	Books & Journals	370000/-
	Equipment	231250/-	Equipment	138750/-	Equipment	370000/-
	Total	462500/-	Total	277500/-	Total	740000/-

2. The sanctioned amount is debit to Head of Account as detailed below. (Capital Assets 35)

Amount sanctioned (Rs.)	For General (77.5%) (Rs.)	For SC 15% (Rs.)	For ST 7.5% (Rs.)
277500/-	215062.5/- 1.B(i)(b)	41625/- 1.B(i)h(i)b	20812.5/- 1.B(i)h(ii)b

3. The sanctioned grant may be treated as "Adhoc On account" grant for XII Plan. The allocation is now is Provisional Allocation and the final allocation would be made on finalization of XII Guidelines. The grants sanctioned now would be adjusted against the XII Plan allocation to be subsequently on the basis of assessment.

4. Further it may be noted that the college has to necessarily submit their XII Plan proposals claim not less than the sanctioned amount for Books & Journals & Equipment as detailed above in their plan proposals.

5. The amount of the grant shall be drawn by the Accounts Officer, UGC, ERO, Kolkata (Drawing Disbursing Officer), University Grants Commission, on the Grant-in-Aid bill and shall be disbursed to credited to grantee as above through Electronic mode as per the following detail

(a) Details (Name & Address) of Account Holder:

Principal, Asutosh College, 92, S P Mukherjee Road, Kolkata, West Bengal 700026.

(b) Account No.:0397101012943

(c) Name & Address of Branch: Canara Bank, Bhowanipur, Kolkata

(d) MICR Code of Branch: 700015004

(e) IFSC Code: CNRB0000397

(f) Type of Account: SB/Current/Cash Credit.

6. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the College/Institution.

The University/College shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure and ensure proper labeling of the items purchased.

8. The University/Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend Their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those who do not have their own approved manuals of financial procedures may adopt the provisions of GFRs, 2005 instructions/Guidelines there under from time to time.



[Signature]
Principal
ASUTOSH COLLEGE
KOLKATA - 20



UNIVERSITY GRANTS COMMISSION
EASTERN REGIONAL OFFICE
LB 8 Sector III Salt Lake, Kolkata 700 098

No WC2-006/12-13

(ERO) ID No. WC2-006

Date: 28-Mar-14

The Accounts Officer
University Grants Commission
Eastern Regional Office, Kolkata 700 098

S.No. 221913

Sub : Release of Grant-in-Aid during the Current financial year (2013-14), during XIIth Plan, to

Asutosh College

Sir/Madam,

I am directed to convey the sanction of the Commission for payment of Rs. **518290** towards the scheme **XIIth Plan College Development** to the Principal, **Asutosh College** for the Plan expenditure to be incurred during the current financial year as per details given below:

Purpose of the grant	Approved allocation	Amount already sanctioned	Amount being sanctioned now	Total grant including the grant now being sanctioned
Undergraduate				
Plan Block Grant	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Plan Block Grant-Head-31	629145	0	251658	251658
Plan Block Grant-Head-35	2516580	740000	266632	1006632
Total			518290	

The College is requested to note:

- SC concentrated district: SC-15%, ST-7.5%, General (including Minorities)-77.5%
- ST concentrated district: ST-15%, SC-7.5%, General (including Minorities)-77.5%
- General district: General-77.5%, SC-15% and ST-7.5%
- No photocopy of bills/vouchers or the originals and detailed list of purchases should be sent with the accounts submitted unless specifically called for.

- The sanctioned amount is debitable to Head 1.B-(i)b and valid for payment during the financial year 2013-14 only.
- The amount of the grant shall be drawn by the Accounts Officer (Drawing and Disbursing Officer), University Grants Commission on the Grant-in-Aid bill and shall be disbursed to and credited to grantee as above through Electronic mode as per the following details:

(a) Details (Name & Address) of Account Holder:
Principal,

Asutosh College

92, S P Mukherjee Road, Kolkata

West Bengal 700026



(b) Account No.: 0397101012943

(c) Name & Address of Branch: Canara Bank, Bhowanipur, Kolkata

(d) MICR Code of Branch: 700015004

(e) IFSC Code: CNRB0000397

(f) Type of Account: SB/Current/Cash Credit

[Signature]
Principal
ASUTOSH COLLEGE
KOLKATA - 26

- The grant is subject to the adjustment on the basis of Utilisation Certificate in the prescribed proforma submitted by the University/College/Institution.
- The University/College shall maintain proper accounts of the expenditure out of the grant which shall be utilised only on approved items of expenditure.
- The University/Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFRs, 2005 and instructions/Guidelines there under from time to time.
- The Utilisation Certificate to the effect that the grant has been utilised for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the closing of the current financial year.
- The assets acquired wholly or substantially out of the University Grants Commission's grant shall not be disposed or encumbered or utilised for the purpose other than those for which the grant was given, without proper sanction of the University Grants Commission.
- A register of assets acquired, wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.
- The grantee institution shall ensure the utilization of grant-in-aid for which it is being sanctioned/paid. In case of non-utilization/part utilization, the simple interest @10% per annum as amended from time to time on unutilized amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.



UNIVERSITY GRANTS COMMISSION
EASTERN REGIONAL OFFICE
LB 8 Sector III Salt Lake, Kolkata 700 098

No. WC2-006/12-13 (ERO)

Date: 30-Mar-13

The Accounts Officer
University Grants Commission
Eastern Regional Office, Kolkata 700 098

S.No. 216000

Sub : Release of Grant-in-Aid during the Current financial year, during XIIth Plan, to
Asutosh College

Sir/Madam,

I am directed to convey the sanction of the Commission for payment of Rs. 462500 towards the scheme XIIth Plan College Development to the Principal, Asutosh College for the Plan expenditure to be incurred during the current financial year as per details given below:

Purpose of the grant	Approved allocation	Amount already sanctioned	Amount being sanctioned now	Total grant including the grant now being sanctioned
Undergraduate	(Rs.)	(Rs.)	(Rs.)	(Rs.)
General District				
Books & Journals	0	0	231250	231250
Equipment	0	0	231250	231250

Total 462500

The College is requested to note

- General District: General -77.5%, SC-15%, ST-7.5%.
- SC District: General-62.5%, SC-30%, ST-7.5%.
- ST District: General -55%, SC-15%, ST-30%.
- No photocopy of bills/vouchers or the originals and detailed list of purchases should be sent with the accounts submitted unless specifically called for.

- The sanctioned amount is debit to the major head I B-(i)b and valid for payment during the current financial year only.
- The amount of the grant shall be drawn by the Accounts Officer (Drawing and Disbursing Officer), University Grants Commission on the Grant-in-Aid bill and shall be disbursed to and credited to grantee as above through Demand Draft.
- The grant is subject to the adjustment on the basis of Utilisation Certificate in the prescribed proforma submitted by the University/College/Institution.
- The University/College shall maintain proper accounts of the expenditure out of the grant which shall be utilised only on approved items of expenditure.
- The Utilisation Certificate to the effect that the grant has been utilised for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the closing of the current financial year.
- The assets acquired wholly or substantially out of the University Grants Commission's grant shall not be disposed or encumbered or utilised for the purpose other than those for which the grant was given, without proper sanction of the University Grants Commission.
- A register of assets acquired, wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.
- The grantee institution shall ensure the utilization of grant-in-aid for which it is being sanctioned/paid. In case of non-utilization/part utilization, the simple interest @10% per annum as amended from time to time on unutilized amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
- The University/College shall follow strictly all the instructions issued by the Government of India from time to time with regard to reservation of posts to Scheduled Castes and Scheduled Tribes.
- The University/College shall fully implement the Official Language Policy of the Union Govt. and comply with the Official Language Act, 1963 and Official Languages (used for official purposes of the Union) Rules, 1976 etc.
- The sanction issues in exercise of the delegation of powers vide Commission Office Order No. 25/92 dated May 01, 1992.
- An amount of Rs. out of the grant of Rs. sanctioned vide letter No. F. (ERO) dated. has been utilized by the College for the purpose for which it was sanctioned and noted in the Grant-in-Aid Register.
- The funds to the extent are available under the Scheme.

Copy forwarded for information and necessary action to

Principal

Asutosh College
92, S P Mukherjee Road, Kolkata
West Bengal 700026

He/She is requested to abide by these instructions/Guidelines of sanction order:

- Registrar/ Director, Co-ordinator, College Development Council, Calcutta
- Auditor General Govt. of West Bengal
- The Secretary Higher Education Govt. of West Bengal
- The Director of Public Instructions (Higher Education) Govt. of West Bengal
- Undergraduate

Yours faithfully,

(Dr. Ratnabali Banerjee)
Joint Secretary

University

(Dr. Ratnabali Banerjee)
Joint Secretary

Principal
ASUTOSH COLLEGE
KOLKATA - 26



डॉ. के. पी. सिंह
संयुक्त सचिव
Dr. K.P. Singh
Joint Secretary



सत्यमेव जयते

Speed Post

विश्वविद्यालय अनुदान आयोग
University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)

बहादुरशाह ज़फ़र मार्ग, नई दिल्ली-110002

Bahadur Shah Zafar Marg, New Delhi-110002

दूरभाष Phone : कार्यालय Off : 011-2323 9597

फैक्स Fax : 011-2323 6347, e-mail: kpsingh.ugc@nic.in

D.O.No.F.1-207/2014 (CC)

May 21, 2014

21 MAY 2014

Dear Sir/Madam,

Kindly refer to the proposal of your institution for introduction of Community College scheme from the academic session 2014-15. In this connection, this is to inform you that the UGC has approved your proposal for implementing the scheme of Community College in the specializations and as per the intake given below :-

Sl.No.	Specialisation/Trade	Intake
1.	Advance Diploma in Software Development	50
2.	Advance Diploma in Mobile Communication	50

Further, UGC has also approved a grants of Rs.139.70 lakhs to the college for a period of two years for running the Community College as per the details given below :-

Sl. No.	Budget Head	Amount (Rupees in lakhs)	
		Year 1	Year 2
Grant-in-aid General – 35 (Non-recurring)			
i.	Equipments	15.00	10.00
ii.	Minor repairs of Labs/workshops/classrooms	-	-
iii.	Total (year-wise)	15.00	10.00
Grant-in-aid General – 31 (Recurring)			
iv.	Honorarium to existing/visiting/private faculty	14.00	28.00
v.	Honorarium to Principal, Coordinator	0.70	0.70
vi.	Hiring charges for Lab Attendant	2.40	2.40
vii.	Faculty training	1.00	1.00
viii.	Consumables	2.50	5.00
ix.	Curriculum Development	2.00	2.00
x.	Travel/Industrial visits	2.00	4.00
xi.	Seminars	1.00	2.00
xii.	Admission/Examination/Assessment	2.00	4.00
xiii.	Scholarship to students	10.00	20.00
xiv.	Office expenses/contingencies	3.00	5.00
	Total (year-wise)	40.60	74.10

Grand Total for first year = 15.00 (NR) + 40.60 (R) = Rs. 55.60 Lakhs (Rupees Fifty Five Lakhs Sixty Thousand Only)

Grand Total for second year = 10.00 (NR) + 74.10 (R) = Rs. 84.10 Lakhs (Rupees Eighty Four Lakhs Ten Thousand Only)

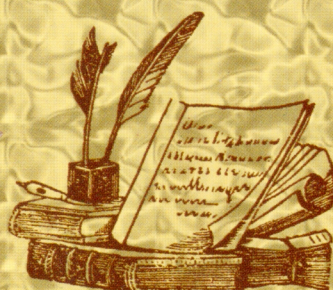
Total for Two Years: Rs. 139.70 Lakhs





NAAC

for Quality and Excellence in Higher Education



Certificate of Accreditation



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Asutosh College
Kolkata, affiliated to University of Calcutta, West Bengal as
Accredited¹
at the C⁺⁺ level².
(among the Affiliated/ Constituent Colleges)*

Date : October 01, 2002



Isabhai
Director

1. This certification is valid for a period of 5 (five) years with effect from the academic year 2002 - 2003.
2. An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C* grade, 65-70 - C** grade, 70-75 - B grade, 75-80 - B* grade, 80-85 - B** grade, 85-90 - A grade, 90-95 - A* grade, 95-100 - A** grade.

Quality Profile

Name of the Institution: Asutosh College

Place: Kolkata, West Bengal

Criterion	Criterion Score (C _i)	Weightage (W _i)	Criterion X Weightage (C _i x W _i)
I. Curricular Aspects	75	10	750
II. Teaching-learning and Evaluation	65	40	2600
III. Research, Consultancy and Extension	70	05	350
IV. Infrastructure and Learning Resources	65	15	975
V. Student Support and Progression	65	10	650
VI. Organisation and Management	70	10	700
VII. Healthy Practices	65	10	650
		100	$\Sigma C_i W_i = 6675$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{6675}{100} = 66.75$$

Indira
Director

DRAFT PEER TEAM REPORT ON INSTITUTIONAL ACCREDITATION
OF
ASUTOSH COLLEGE, KOLKATA, WEST BENGAL
AUGUST 26-28 , 2002.

Section I – Introduction

Asutosh College, Kolkata, affiliated to University of Calcutta has volunteered to undergo the process of assessment and accreditation by the National Assessment and Accreditation Council (NAAC), Bangalore as it believed that this was a step towards search for excellence in academic field. The college submitted its Self Study Report in 2002. The NAAC constituted a Peer Team to visit the college and validate the Self Study Report. The team consisted of Prof. Vijay Khole, Pro-Vice-Chancellor, University of Mumbai, Mumbai (Chairman). Prof. C Thangamuthu, Dept. of Economics, Bharathidasan University , Palkalai Perur, Tiruchirapalli, Tamil Nadu (member) Prof. Subhash Kumar, Principal, DAV College, Jalandhar, Punjab (Member) . The team visited Asutosh College from August 26th – 28th , 2002.

One of the largest undergraduate colleges of the State of West Bengal Asutosh College was established on 17th July, 1916 by an eminent educationist and former Vice-Chancellor of Calcutta University Sir Asutosh Mukherjee. It was originally called South Suburban College. The college was renamed after Sir Asutosh following his demise in 1924. From its initial rented premises it shifted to its present location in 1935. This Arts and Science College is located in the heart of South Kolkata . The college presents distinct urban features .The college has been recognized under sections 2(f) and 12(b) of the University Grants Commission Act. The college offers 38 Under Graduate

programmes, 04 Certificate and 09 Training programmes. The student enrolment in UG is 3550, in Certificate/Diploma courses it is 90 and in self-financing courses it is 173. The college has 85 permanent teachers, 45 part-time teachers, 18 non-teaching and 70 technical personnel. The college predominantly caters to the need of the residents of South Kolkata. It also attracts students from South 24 Parganas and other districts of the State.

The Peer Team had extensive interaction and discussion with the Governing Body, the Principal, Faculty members, the students, Alumni, Parents and the non-teaching staff. All the relevant documents and the files pertaining to various aspects of the functioning of the college including the perspective plan were examined to get an insight into the functioning of the Institution its aspirations, its accomplishments constraints and potentials. Visit to all the departments and support facilities of the college were extensive. Based on this exercise and keeping in mind the various criteria evolved by NAAC the assessment of the Peer Team about the performance and standing of the college is presented below.

Section II: Criterion-wise Analysis


Criterion I: Curricular Aspects.

The college offers a good range of programme options at the undergraduate level. In tune with the system operating in the State of West Bengal, there are two streams at the UG programme, one general degree [holders of which are not eligible to join PG programme] and the other honours degree [with which one can proceed for PG programme]. This college, being one of the oldest UG colleges in the State, has the distinction of offering as many as 21 honours programmes [one of the highest in the

State]; honours programme is there in every Department excepting Hindi which is offered as a language to the degree students. Thus the students have wide option to pursue degree level programmes in all the major disciplines generally available in the collegiate system. The institution deserves commendation for going in for degree programmes in some of the emerging professional disciplines such as Computer Science and Business Administration on self-supporting basis. The programme on Industrial Fish and Fisheries sponsored by UGC under vocational degree is regionally relevant and career oriented; the college is continuing this programme under self supporting basis.

Besides the degree programmes, the college took the special initiative of offering job-oriented diploma/certificate programmes in business management, marketing management, travel and tourism management and safety engineering through its Vocational Training Centre established in 1992. This center also offers some short-term training programmes in computer applications and organises coaching for various competitive examinations. These initiatives of the institution may help career enrichment of the students, in addition to the regular curriculum prescribed by the University. Regular students of the college may be encouraged to undergo these certificate programmes concurrently. The academic complementarity between the vocational training center and the college needs to be strengthened.

While commending these efforts, it is suggested that, in lieu of [or in addition to] some of the programmes in the existing conventional disciplines, programmes in newer disciplines such as Microbiology, Bio-chemistry, Bio-technology, Geophysics, Geographical information system etc. may be explored. These could be introduced by reorienting the existing faculty and resources.




As an affiliated college, the college has limited role in designing the curricula. The college has occasionally conducted syllabi-review workshops in some subjects the recent past. The outcome of such workshops could be channelised into the syllabus-making bodies of the University. It may not be out of place to record that granting of autonomous status might provide adequate academic freedom for the concerned institution/course teachers to frame and update the curricula; hence, necessary steps be taken in this direction by all concerned.

In the given system of affiliation also, there may be some scope for widening or enriching the prescribed curriculum by adding on some extra inputs that may be considered relevant to the changing scenario. Such additional inputs could be conceptualised as enrichment courses, execution of which may be encouraged by award of certification at the college level. The credibility for such certification would be established in due course.

The student/user feedback on the conduct of programmes may be formally obtained by introducing an appropriate mechanism. Such feedback would help not only strengthening the curriculum but also may lend a sense of participation .

Further, after more than 85 years of its having been a degree college and with more than two-thirds of the faculty being highly qualified with Ph.Ds, it is time to think of introducing some PG programmes in atleast a few of the stronger departments. It is gratifying to note that the University of Calcutta has decided to consider grant of affiliation for PG programmes in five disciplines namely English, Zoology, Geography, Biotechnology and Environmental Science.



The college community may also think of conceptualising the institutional goal/mission and specifying the special orientation and objectives, so that it can co-ordinate and channelise its future thrusts.

Criterion II: Teaching, Learning and Evaluation.

The students are selected for admission based on the academic record in the qualifying examinations. The admission to BBA [Hons.] is through the Common Admission Test conducted by Calcutta University. Admission to all honors stream is more rigorous and subject to the counselling in respective Departments. A system of formal remedial teaching for weaker students, particularly in language/communication skills, may be organized. The meritorious students are being induced through award of prizes/scholarship. Some of them with higher learning potential may also be academically encouraged by enabling them do some innovative project works.

The academic calendar is prepared in consultation with the faculty in different departments. It is appreciable that lesson plans are discussed and finalized in the department faculty meetings; the syllabus is also unitized by the respective faculty members for better planning of teaching schedule.

The regular lecture method of classroom teaching is supplemented by occasional use of electronic devices. The institution has recently established internet facilities. More intensive use of such devices would enhance the teaching-learning efficiency.

The teachers are fairly well qualified and they are recruited through the West Bengal College Service Commission. About 50 per cent of the teachers are on temporary/part-time basis indicating the case for sanction of additional regular faculty.

However, the college deserves appreciation for finding resources for footing the salary bill of these part-time faculties for discharging the teaching responsibilities.

In addition to the system of self-appraisal of teachers, there is a system of weekly report where all the individual teachers record their teaching in the given week. Such a mechanism should improve the accountability as well as a self-enforced professional discipline on the part of the teachers. To cap it all, the institution may explore introduction of student evaluation of teachers; the teachers would only be too willing and anxious to learn the student feedback in order to improve their performance.

The teachers are encouraged and facilitated by the institution to undergo refresher courses, and attend seminars/conferences in order to enhance their professional competence. The college may avail the scheme of faculty development programme to enable the teachers to complete their Ph.D.

The evaluation system is characterized by the conduct of monthly, half-yearly and annual examinations and also a "selection test" before the students are permitted to sit for the University examinations. The system is rigorous enough for the students of honours stream. But the system is less efficient for students of general stream because of some inherent weaknesses such as the large number of students sitting in a classroom (more than 150 or so), generally the less meritorious students ending up in the general degree programmes and the syllabi/course content being relatively low which makes the students ineligible to pursue PG programmes. The situation resembles one of "adverse selection" a market for lemons as figuratively illustrated with all its ramifications of inefficiency. Of course, the problem needs to be attended at the macro level; the college can at best strive to restrict the student strength in the general stream to manageable levels commensurate with the facilities. Similarly under the evaluation system in the affiliating system, the university examinations are conducted only from the second year-

end and as a result the teachers-the taught may tend to take things easy in the first year of the study. The college may take possible steps for ensuring rigorous class tests and in the annual examinations conducted by the college, by say, arranging for progress report system whereby some parental interest and involvement could be enlisted. This has been initiated for the honours stream of Botany department which could be adopted at the institutional level. The pattern of question papers at the college-level tests may be so structured to include adequate number of objective-type questions to test the intelligent understanding of the subject.

The rigour and efficiency of teaching-learning are to reflect in the general percentage of passes and the number of first classes/rankers in the University examinations. The Examinations results in some disciplines needs to be improved .

Criterion III: Research, Consultancy and Extension

The undergraduate college normally may have its own constraints in respect of research and consultancy. In the absence of Ph.D scholars to work with, the research effort of the faculty would be more challenging. Given this condition, the research output of some of the faculty as evident from their publications is quite appreciable. Some of them seem to have had a good and more productive early research career. This may signify the need for giving better inducement/patronage [including granting recognition to guide Ph.D] to the aspiring researchers, notwithstanding the UG status of the teaching Department. As such, one or two teachers have taken good initiative of registering Ph.D candidate as co-guide, the main guide being drawn from recognized research centres. Such collaborative research guidance could be encouraged.

At present, there are 12 ongoing research projects [mostly minor ones] with a total grant of Rs. 1.73 lakhs. The total number of projects completed so far amounted to

Rs. 9.6 lakhs. Among the research accomplishments two major research projects completed in the Geology Department and People Biodiversity registry and Mosquito research unit in the Zoology Department and research initiatives by some faculty members in Physics and Chemistry Departments are worth mentioning.

The potential for linkages with the industry and other user agencies around could be better exploited by creating a nodal agency of "Institution-Industry cell" with a select group of dynamic faculty. The expertise in the campus may need be better publicised to reach the potential clientele.

The extension activities are carried out through several associations/clubs, under the guidance of some faculty members. The college is supported by the Ford Foundation for the Campus Diversity Initiative Project under which some cultural activities for the emotional integration of the campus community are undertaken. There is a village adoption scheme under which the infrastructure of a primary school was improved thanks to the initiative of the students and the faculty. However the college does not have a NSS programme which is a handicap to organise extension activities. It is said that there were NSS units sometime back; they may be revived at the earliest.

The institution would do well trying to integrate the extension component with the concerned discipline of the students, so that the discipline related extension work would enrich the learner experience as well.

Criterion IV: Infrastructure and Learning Resources

The college, located in the heart of Calcutta, is inevitably constrained in expanding its campus area. The present campus in an area of less than an acre consists of an old building structure. The vertical expansion may not be possible. Efforts are

being made to acquire land/buildings in the neighbourhood of the campus. This may be expedited to ease the pressure on existing buildings.

The present building space is put to maximum use for most part of the day, by throwing it open for running a morning girls' college and an evening Commerce and Arts college. Both the institutions also are government aided colleges with separate governing bodies. Sandwiched between these two is the day college of Asutosh. In such a shift system of time-bound operation, the scope for extended class sessions, library/lab use and for co-curricular activities might be unduly suppressed. The so-called exhaustive utilization of the physical infra-structure though commendable, should not be at the expense of optimal needs of the regular college. At present, it is evident from the feedback received from the faculty and the students that the existing buildings are inadequate to run the programmes. As a result, the Arts and language faculty are constrained to sit in a common staff room and that too only during their college hours; the rest of the time they must be left free for the other college teachers to occupy. The students may not be in a position to meet their faculty outside class hours. The Science faculty manage to carve out their sitting space in their own laboratories. Under such conditions, there is a dire need for making additional space available for the Departmentwise faculty room with separate cubicles for each teacher.

Because of the locational advantages, some external agencies like the Institute of Computer Engineers and a finance company are collaborating with the college Training Centre for running educational/training programmes on self supporting basis. All these enable the management generate better resources.

The college library is located on the ground floor of the building in a hall. It gives a cramped look with very little space for reference. Most of the books are old,

indicating the need for acquiring more recent publications. The library automation is underway. There are reprographic and internet facilities. The library has an advisory committee which, may include some student representatives also. The library requires substantial revamping and additional space.

There is a central computer lab with 25 terminals and it is kept open for 12 hours a day. The computer facilities may be augmented further. Now most of the Science Departments have their own computers. The Arts Departments may also be provided with adequate computer facility.

The other infra-structural requirements such as playgrounds are managed by arranging access to Kolkata maidan and the University rowing club. The college has a small gymnasium and a common room for indoor games. The sports performance of the students at University/Zonal level meets could be further improved if there is a full time Physical Director.

There are two hostels (one of which is in a rented premise)which could accommodate 91 students. The college may go in for constructing a girls hostel in view of it being a Co-educational college. Expansion of hostel facilities might improve the corporate life of the college attracting students from outstation centers. The health facility is arranged through the college's institutional membership with the Student's Health Home at Kolkata.


There is a good spacious auditorium in the ground floor. This auditorium is jointly used by the college as well as the Asutosh Trust which originally founded the college. The revenue generated out of rental income is also shared between the College and the Trust.

Criterion –V Student Support and Progression

The large number of students particularly in the general stream of degree programmes and the space and time constraints forced by the functioning of two more colleges in the same premises lead to a natural limitation on the part of the college to offer effective student support services. While it may be an arduous task to keep track of the passed out graduates, attempts may be made to evolve a mechanism by which a database on Alumni profile could be obtained at the Departmental level. At present, there is no mechanism excepting the informal contacts of some alumni with the faculty. Hence the institution is not in a position to have a correct understanding of the student progression to higher studies and employment.

The student support services could include, among others, remedial coaching for the weaker students and enrichment courses for the brighter ones. The college may have to organise a formal remedial teaching (including some bridge courses) for the weaker sections. The number of scholarships/ endowments to support poor students could be augmented more by enlisting the fiscal support from the alumni who have settled in lucrative careers and a good number of them in overseas countries (as it is understood from the faculty).

The dropout rate continues even to the second and sometimes third year of the degree programmes mainly on account of migration to professional programmes. There is a felt need for professionalising the degree programmes in the college to arrest the trend.

The progression to employment and higher studies could be supported by the institution by strengthening and broad basing the counselling and guidance (through tutorial system) and organizing a placement cell. 

There is fair degree of transparency in admission procedures. The academic calendar is formulated and the information on the various aspects of the programmes are disseminated to the students.

There is a greater scope and possibility for improving the extra-curricular activities, provided the institutional bottlenecks of time and constraints are removed. The absence of NSS is another limitation which needs to be attended to expeditiously.

Criterion-VI Organisation and Management

The Calcutta University first statutes, 1979 chapter VII specified Governing Bodies for the colleges. As a result, Asutosh College came under the Governance of this stipulation. The stipulation prescribes the constitution, tenure of the Office, powers and function of the Governing Body. Various committees such as Academic sub committee, Finance sub committee, Appointment sub committee (for non teaching staff) Building sub committee, Promotion sub committee, Library sub committee, sub committee for Fee Restructuring etc. now regulate the functioning of the College.

The organisational structure provides scope for participatory decision making by the faculty and students. The social participation in the management is also ensured by bringing in representatives nominated by the university/government. That the President of the Governing Council happens to be (by sheer co-incidence) the President of the Governing Councils of the other two colleges functioning in the premises lends some interfacing and harmonisation in resource/ time sharing.

There are three different Principals with three different sets of official machineries; and the accounts are maintained separately though it may be cumbersome. It is understood that the maintenance cost of the buildings is also shared among the institutions. In the process, the faculty members particularly in the Science departments need to take safe custody and use of their costly chemicals and other consumables and

some equipments. Since the students of the girls college also share the same lab this may perhaps cause additional responsibility almost on a daily basis. Thus the functioning of three different colleges under three different managements would pose some special difficulties. However the system has come to stay and stabilize out of mutual adjustments in the process.

The management of the college deserves appreciation for the steps taken for resource augmentation. The establishment of the training centre wherein self-supporting vocational programmes are offered by enlisting the collaborations of outside agencies is a case in point. The recent fee revision has marginally improved the revenue of the college. The efforts of the management for acquiring additional space/building are also appreciable.

There are several faculty committees which help decentralised decision making. Some of the committees have been recently formed and their activities could be strengthened further. The Deans of faculties could also play a more effective role in co-ordinating the inter-departmental activities. Now, most of the activities are either faculty-centered or department-confined. There seems to be little scope for information sharing, let alone research or teaching collaborations. The situation could be improved for inspiring each other into co-ordinated efforts.

The management may expedite its efforts in computerising the office, library, train and re-orient the staff and faculty by providing additional skills and training.


Criterion -VII **Healthy Practices**

Over the period some healthy practices have been set to stay for the smooth functioning of the campus. Some of them are indicated below:

- a) Working out of several minute procedures, involving many niceties and nuances, for resource sharing and maintenance among the management/ faculty/students of the three colleges on the campus.
- b) A healthy and positive attitude among the college community to make best of the given time/resources. It seems to be a good example of constrained optimization.
- c) A fairly reasonable internal partitioning of the halls in the science departments (in some departments such as Botany, it has been done aesthetically) and also putting the space to multiple use.
- d) A good sense of co-operation among the faculty strengthened and reinforced by, say, the subscribed 'Tea clubs' (which culminate in an annual dinner for which all the retired and other ex-faculty members are invited); the annual sports events between the staff and the students also help better spirit of co-operation.

Section III Overall Analysis

The Peer team noted planned measures being taken to provide teaching to the students. Preparation and distribution of tentative teaching plan in the beginning of the session, distribution of academic calendar for the students along with the syllabi, use of teaching methods other than the usual lecture mode are some of the steps in this direction. Periodic tests, term end tests, screening test, lectures by guest faculty, group discussions, participation of students in field tours and seminars have improved the passing percentage of students in many Departments. Sustained efforts on these line and a strong commitment by the teaching staff will further enhance the prospects of students to achieve higher ranks and levels in University examinations.



The organizational structure, the governing body and its several sub committees appear to be helping the college administration in taking routine decisions. This arrangement facilitates sharing of decision making and the responsibilities. This is likely to leave necessary time and composure to the Principal to plan the academic growth of the college .The Peer team also noticed a closed knit academic teacher community with the Principal working together in a meaningful partnership.

Teachers and students as well seem to be participating in the process of taking the college to new heights. The interaction with various sections of the college, including the alumni and the parents gave the impression of the college having turned into a proactive, close knit academic community striving towards academic achievements. They also acknowledged the infrastructure and resource constraints being faced by the college.

Every department has a small library and a computer facility. Teaching posts in nearly all the departments are filled. Provision of appointment of part time teachers, guest faculty has augmented the teaching programme. An appropriate student: teacher ratio has been arrived at. Student -Teacher relations also appear to be very congenial. Teachers from both the faculties of Arts & Science, for example from Departments such as Bengali, English, Political Science, History, Philosophy, Botany, Zoology, Chemistry, Physics and Geology have strong research potentials. Students from the Departments of Statistics and Economics actively seem to be pursuing interests in higher studies abroad.

Of late and probably on realization of a highly competitive educational scenario the college has introduced a few need based programmes to meet the demands of the student community .The college also has the teaching arrangements to prepare the

students to some competitive examinations and skills .The team hopes that the college vigorously pursues this policy.

There are however certain issues of concern. The peer team finds that the teacher-taught ratio in some departments is far from satisfactory. The governing body and the Principal may ponder over this. A part of the teaching faculty needs to concentrate towards updating their professional competencies.

Further, all the teachers together need to build a vision and a mission movement to reach the higher goals of quality and excellence. The college may consider the following suggestions in that direction.

- The college may start diploma, PG diploma, PG courses, M Phil and Ph. D programmes at the earliest. Building a strong research culture may open up several opportunities of resource generation, placement of students, consultancy programmes etc. The college may set up a sub committee for development of research and consultancy activities.
- Value education, more vocational components may be introduced. Need based programmes in Information Technology, Mass media and communication, Journalism, Performing arts may be started in a phased manner to meet the demands of the changing scenario.
- Existing infrastructure and manpower especially in Science Departments may be fully utilized for developing areas such as Environmental Science, Plant Bio-technology, Industrial Chemistry, Industrial Microbiology, Informatics etc. Corporate support could be diverted to the development of strong competencies in these upcoming areas. This may lead to a self-sustaining, self-financing structure.
- Computerization of the Library and administration needs to be expediated.

- The college needs to form the Alumni Association at an early date.
- The college may further speed up its industry linkage efforts to rope in more partners in its endeavour of introducing self financing courses, training programmes, improving its infrastructure, modernising and updating its educational facilities etc.
- The college needs to explore its competency and expertise in developing national and international linkages in teaching programmes and research activities. Collaborative arrangements in areas such as student-teacher exchange, sharing of common educational programmes, introducing a dual certificate /diploma/degree programme can be thought of.
- Formal education and non-formal education modes are here to coexist. The college management and the faculty together may ponder over making a structured open education programme available to the students.
- NCC and NSS activities all over the country have spread well and are known to be important supplementary activities for the overall development of the student personality. The college needs to take up these activities.

On the whole the college definitely has shed its complacency, is receptive to new ideas and concepts in higher education and has identified its strong areas to diversify. The Governing body and the sub committee structure need to support this awakening to make the institution named after an eminent educationist a center of excellence in the years to come.

The Peer team appreciates the co-operation and assistance readily extended by the various functionaries and the sections of the college in completing the task assigned by NAAC. The team wishes that the college under the leadership of Dr. Debabrata Choudhury with other competent colleagues plays a greater role and makes further

strides in the years to come. The team acknowledges competent support extended by Dr. Latha Pillai, Advisor NAAC who co-ordinated the visit of the team.

Signatures of the Peer team members

1. Prof. Vijay Khole (Chairman) *Vijay Khole* 28/08/2002

2. Prof. C Thangamuthu (Member) *C. Thangamuthu* 28/8/02

3. Prof. Subhash Kumar (Member) *Subhash Kumar* 28.8.02

Place : Kolkata

Date:28.08.2002

I agree with the observations made in the report

Signature of the Principal



Principal 28.8.02

Principal
ASUTOSH COLLEGE
Kolkata-26

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

प्रो. वी. एस. प्रसाद

निदेशक

Prof. V. S. Prasad

Director

NAAC/DO-BSM/ AC-Reply/2004/

Decennial Year Year of Rededication for
2003 - 2004 Quality and Excellence

21st September, 2004

Dr. Debabrata Chaudhuri

Principal

Asutosh College

92, Shyamaprasad Mukherjee Road,

Kolkata-700026

West Bengal

Sub: Response to Appeal

Dear Dr. Debabrata Chaudhuri,

Greetings from NAAC.

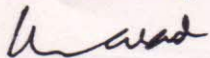
Please refer to your letter/application No. VC/536/2004 dated 1st July, 2004 for reconsideration of grade awarded by NAAC: Your application was placed before the Appeals Committee for consideration in its meeting held on 30th & 31st August, 2004. Your representation was thoroughly examined and the recommendations of the Appeals Committee were placed before the Executive Committee (EC) of NAAC on 16th September, 2004. The EC after careful examination of the recommendations and necessary documents has given it's approval as follows:

revisit recommended at NAAC's expense.

You may also note that Executive Committee of NAAC to encourage institutions to improve their performance has provided a provision for reassessment of the institutions after one year from the date of present accreditation by following regular assessment procedures.

With regards,

Yours sincerely,



(V. S. Prasad)

PS: # - Kindly submit revised SSR (of 5 copies) and also indicate preferable dates (2 separate slots of 3 days each) for peer team visit by providing 50 days lead time from the date of dispatch of SSR at your end.

2/4, अभिमानी प्रकाशन, डा. राजकुमार मार्ग, पी.ओ.बाक्स नं. 1075, राजाजीनगर, बेंगलूर - 560 010. भारत

2/4, Abhimani Prakashana, Dr. Rajkumar Road, P.O. Box No. 1075, Rajajinagar, Bangalore - 560 010. INDIA

दूरभाष Phone : +91-80-23120974; 23121492; 23120046 (D) फैक्स Fax : +91-80-23124047

ई-मेल e-mail : naac@blr.vsnl.net.in; prasadv99@hotmail.com वेबसाइट Website : www.naac-india.com

ASUTOSH COLLEGE

92, S. P. Mookerjee Road, Kolkata 700026

(Estd. 1916)



ADDENDUM TO SELF STUDY REPORT

NAAC 2015

ADDENDUM TO SELF STUDY REPORT: 2015

ASUTOSH COLLEGE

Asutosh College in its pursuit of spreading higher education has continued to take various programmes and enhanced its teaching-cum-research facilities in various ways in the span of last one year. The college has continued to provide institutional support to the research-enthusiastic faculty members who has brought research projects grants from different funding agencies in this span of time. Infrastructural improvement remained a continuous exercise for ICT-enabled teaching-learning and development of green second campus. Different departments also have undertaken Centenary Lecture series and innovative projects which will help teaching-research as well as a larger section of the community.

This addendum furnishes information about activities and developments of the College for the period since the submission of the Self Study Report till date.

1. ADMISSION (2016-2017)

Programmes	2016-2017			
			Enrolled	
UNDER GRADUATE	No of Applicants	Number of students Admitted	*M	*F
Bengali (Hons.)	1618	153	53	100
English (Hons.)	6434	220	79	141
History (Hons.)	903	81	45	36
Journalism & Mass Communication (Hons.)	1844	124	43	81
Philosophy (Hons.)	906	65	20	45
Political Science (Hons.)	736	79	50	29
Psychology (Hons.) (ARTS)	558	52	3	49
Sanskrit (Hons.)	512	39	15	24

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

Sociology (Hons.)	624	89	21	68
Communicative English (Major)	507	80	34	46
Bio-Chemistry (Hons.)	937	55	18	37
Botany (Hons.)	1692	90	55	35
Chemistry (Hons.)	2984	148	100	48
Computer Sc. (Hons.)	2074	138	91	47
Economics (Hons.)	975	71	33	38
Electronics (Hons.)	662	44	34	10
Environmental Science (Hons.)	356	32	12	20
Geography (Hons.)	3069	116	61	55
Geology (Hons.)	1259	103	75	28
Mathematics (Hons.)	3351	103	84	19
Microbiology (Hons.)	2582	100	45	55
Physics (Hons.)	4860	161	122	39
Psychology (Hons.) SCIENCE	741	66	8	58
Statistics (Hons.)	749	87	59	28
Zoology (Hons.)	6044	155	95	60
Industrial Fish and Fisheries (Major)	581	96	60	36
B.A (General)	2583	395	226	169
B.Sc (General)	2116	213	154	59
BBA (Hons.)	1178	78	57	21
Software Development (B.VOC.)	452	98	78	20
Industrial Aquaculture and Fisheries(B.VOC.)	197	16	9	7
Software Development (DIPLOMA)	228	26	20	6
Mobile Communication (DIPLOMA)	45	2	1	1
TOTAL	54357	3375	1860	1515
POST GRADUATE				
Computer and Information Science(M.Sc.)	173	25	9	16
Applied Geology (M.Sc.)	89	21	9	12
Geography (M.Sc.)	451	29	5	24
Zoology (M.Sc.)	524	29	6	23
Environmental Science (M.Sc.)	95	29	2	27
Bengali (M.A.)	206	54	4	50
	1538	187	35	152

2. UNIVERSITY RESULTS (UG 2016)

Subject	No. of Students Appeared	No. of 1st Class	University Rank
Biochemistry	41	31	2 nd , 3 rd , 4 th
Botany	20	4	
Chemistry	54	28	
Computer Science	64	35	2 nd
Economics	71	13	
Environmental Science	15	11	1 st , 2 nd , 3 rd , 4 th
Geography	68	37	1 st , 2 nd
Geology	33	18	1 st , 2 nd , 3 rd
Mathematics	68	6	
Microbiology	30	19	
Physics	81	18	
Psychology	49	12	
Statistics	62	29	2 nd , 3 rd
Zoology	61	41	
I.F.F.	48	19	1 st , 2 nd , 3 rd
Bengali	67	9	2 nd
English	114	1	
History	38	0	

Journalism	55	6	1 st
Philosophy	11	1	
Political Science	39	3	
Sanskrit	26	4	
Sociology	25	4	
Comm. English	53	36	
BBA	32	4	
Electronics	20	9	
Total	1245	398	20

3. RESEARCH PROJECTS RECEIVED

Abhik Kundu, Assistant Professor, Department of Geology has received a research project funding from Indian Space Research Organisation, Bengaluru.

Title of the Project “Tectonic evolution of the East Coprates Planum, Mars: An insight through morphometric analyses of structures on the surface.”

Co-investigator:

Dr. Nilanjan Dasgupta

Associate Professor, Department of Geology, Presidency University, Kolkata

4. PUBLICATIONS

A. Kundu., A. Matin, P.G. Eriksson, 2016, Petrography and geochemistry of the Middle Siwalik sandstones (Tertiary) in understanding the provenance of sub-Himalayan sediments in the Lish River Valley, West Bengal, India. **Arabian Journal of Geosciences, Springer** 9(2), 18.

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

- T. Dutta, Poetry by Rabindranath Tagore & Jibananda Das: A comparative study. **International Journal of Social Science**, Special Issue, Literature and Psychology, ISSN: 2326-9863.
- T. Dutta, Tagore's Gitanjali: Reunion with God through songs. **Journal of Literature and Art Studies**, David Publ. Co. 2016, Vol. 6 (4), 426-428. ISSN: 2159-5836
- T. Dutta, Tagore's songs offerings: A study on Beauty & Eternity: **Everant Social Science and Humanities Journal**, May 2016. ISSN: 2456-2653.

5. SEMINARS / CONFERENCES / WORKHOPS ORGANISED

Date	Conference / Seminar	Department	Speakers
28/07/15	Environmental Crisis and Planetary Limit	Geography	Dr. Tushar Chakraborty, Scientist, IICB
04/08/15	Workshop	Psychology	Dr. Sibnath Dev, Pondicherry University
22/08/15	Petroleum and iron ore geology	Geology	Dr. Rajesh Mukherjee, Principal Geologist, TISCO. Dr. Tarun Kumar Sengupta, Chief Geologist (Retd.), ONGC
04/09/15	Student's paper reading session	English	-
10/09/15	Centenary Lecture Series – Modern Poetry	English	Dr. Arghya Banerjee, Dean of Arts and Associate Prof. Of English, St, Xavier's College, Kolkata

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

11/09/15	Centenary Lecture Series – Matter, Dark Matter and Does not Matter	Physics	Prof. Dipak Ghosh, Emeritus Professor, JU
12/09/15	Centenary Lecture Series – Alice in Diceland: a magical display of elementary probability; Elementary statistical interference: a magical display of sampling and inference; Sudoku puzzles: a combinational marvel	Statistics	Prof. Bikash K, Sinha, ISI
	Centenary Lecture Series – Individuality ,Contrafemininity/ Musculinity	Sociology	Prof. Bula Vhadra, CU
28/09/15	Centenary Lecture Series – Emerging Trends in Plant Sciences	Botany	Prof. Asoke Biswas, Dept. of Botany, CU Prof. MousumiPoddar Sarkar, Dept. of Botany, CU
30/09/15	Centenary Lecture Series – Origin and Evolution of Indian Music	Sanskrit	Prof. SarbaniGanguly, Dept. of Sanskrit, JU
05/10/15	Centenary Lecture Series – Current Trends in Writing History	History	Prof. ChittabrataPalit, Emeritus Professor, JU
09/10/15	Centenary Lecture Series – Aboriginal People of the Andaman Islands	Sociology	Dr. Ashis Kumar Pal, Dept. of Geography, Vidyasagar University
14/10/15	Centenary Lecture Series – Pope's the Rape of the Lock	English	Prof. Kushal Biswas, Associate Professor of

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

			English, Women's Christian College, Kokata
15/10/15	Centenary Lecture Series – Emerging Trends in Plant Sciences	Botany	Dr. Gaurab Gangopadhyay, Associate Professor, Bose Institute, Kolkata Dr. Amitava Ghosh, Dept. of Botany, Asutosh College, Kolkata
19/11/15	Special Lecture on Fish Immunology	-	Prof. Tilak Saha, Dept. of Zoology, NBU
24/11/15	Centenary Lecture Series – Higgs Boson Saga and the God Particle Myth	Physics	Prof. Biswarup Mukhopadhyay, Scientist, Harish Chandra Research Institute, Allahabad
30/11/15	Centenary Lecture Series – Light: From the very small to the very big	Physics	Prof. Anirban Kundu, Dept. of Physics, CU
11/12/15	Centenary Lecture Series – Emerging Trends in Plant Sciences	Botany	Dr. Sandip Mukhopadhyay, Professor and Head, Dept. of Botany, CU Dr. Naba Kumar Ghosh, Assistant Professor, Dept. of Environmental Science, BU

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

14/12/15	Centenary Lecture Series – The scope of English studies	English	Mr. Debayan Basu, Assistant Professor, Mahishadal Raj College Mr. Subhajoy Roy, Senior Correspondant, The Telegraph, Kolkata
15/12/15	Centenary Lecture Series – The Large Hedron Collider: Higgs' Discovery and Beyond	Physics	Prof. Satyaki Bhattacharya, Saha Institute of Nuclear Physics
16/12/15	Centenary Lecture Series – Lecture on Indian Philosophy	Philosophy	Dr. Ratna Dutta Sharma, Dept. of Philosophy, JU
22/12/15	Centenary Lecture Series – Emerging Trends in Plant Sciences	Botany	Dr. Moutusi Mitra, Associate Professor and Head, Dept. of Biology, University of West Georgia, USA Dr. Rina Chakraborty, Joint Director and Head (Retd.), Zoological Survey of India
09/01/16	One-day seminar on 'Green Technology and GIS – The Moern Approach for Environmental Monitoring'	Environmental Science	-
13/01/16	Centenary Lecture Series – Chemical Kinetics, Thermodynamics and	Chemistry	Prof. P. Dutt, Ananda Mohan College

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

	Quantum Chemistry		
13/01/16	Centenary Lecture: Mathematical Sciences in the 21 st Century	Statistics	Dr Saurish Das, Chennai Mathematical Institute
18/01/16	Seminar in honour of Dr. A.P.J. Abdul Kalam, Former President of India	-	Dr. ManasPratim Das, AIR, Kolkata Dr. Tapan Kr. Ghosal, Emeritus Professor, JU Dr. Papiya Nandi, Director (Hony.), JBNSTS
	Seminar on Recent Trends in Aquaculture – Prospects of Students of IFF	-	Dr. C. Satyanarayana, Scientist, Zoological Survey of India, Kolkata Dr. Somnath Chakraborty, Assistant Director, Ministry of Fisheries, Govt. of West Bengal
28/01/16	Centenary Lecture Series – Automation of Academic Libraries – Innovation and Potentialities	Central Library	-
29/01/16	Centenary Lecture Series Speech on Macbeth	English	Dr Ralla Guha Niyogi of Basanti Devi College. Students of Basanti Devi College & Woman Christian College were also present.

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

01/02/16	Centenary Lecture Series – Structural Bioinformatics of DNA and RNA	Physics	Prof. Dhananjaya Bhattacharyya, Scientist, Saha Institute of Nuclear Physics
04/02/16	Centenary Lecture Series – Visualization of a Cell and its Organelles	Biochemistry	Prof. AnirbanSiddhanta, Chairperson, UG Board of Studies, CU
06/02/16	Centenary Lecture Series – The Role of Statistics in Our Society	Statistics	Prof. Saibal Chattopadhyay, Director, IIM, Kolkata Dr. Arindam Chakraborty, VisvaBharati Dr. Analava Basu, National Institute Biomedical Genomics Mr. Omkar Prasad Ghosh, National Sample Survey
11/02/16	Centenary Lecture Series: <i>Conservation Breeding: New Hope for Wildlife Conservation</i> <i>Cancer – An Evolutionary Disease with Evolving Concepts</i>	Zoology	Prof. Gautam Kumar Saha, Dept. of Zoology, CU Dr. Anirban Chatterjee, Post- Doctoral Research Associate, Wisconsin, USA
15/02/16	Centenary Lecture Series – Innovations and Creativity in Media	Communicative English	Prof. Ashok Ogra, Apeejay Institute of Mass Communication,

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

			New Delhi
02/03/16	Centenary Lecture Series – BanglarSahityaSamskriti (I) – BnglarSthapatya	Bengali	Dr. Sreela Bose, Dept. of Bengali, VisvaBharati
08/03/16	Centenary Lecture Series – BanglarSahityaSamskriti (II) – BanglarChitrakala	Bengali	Sri ArunenduBandopadhy ay
07/04/16	Centenary Lecture Series – BanglarSahityaSamskriti (III) – Banglar Cinema	Bengali	Prof. Sanjay Mukherjee, Dept. of Film Studies, JU
07/05/16	Centenary Lecture Series – BanglarSahityaSamskriti (IV) – BanglarSahitya – Bartaman-Bhabisyat	Bengali	Sri Prochet Gupta
10/05/16	Seminar	UGC Sponsored Add-on Course	Mr. J. P. Shaw, Regional Director (East), Ministry of Tourism, Govt. of India Dr. Kunal Kanti Majumder, Professor, Dept. of Community Medicine, KPC Medical College and Hospital Mr. K. P. Borah, Head, HRD, High Tech Cell phones (Industrial Chemistry)
11/05/16	Centenary Lecture Series – Banglar Sahitya Samskriti (V) – Banglar Theaterer Gaan	Bengali	Dr. Devjit Bandopadhyay

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

11/05/2016	Centenary Lecture Series : Speech on Logic and Mordenisation	English	Rishiraj Paul Research Scholar Visva Bharati
13/05/16	Acharya Prafulla Chandra Ray Memorial Lecture	Chemistry	Dr. A. Ghosh, Dean and Prof., Dept. of Chemistry, CU Prof. B.C. Ranu, INSA Senior Scientist, Dept. of Chemistry, IACS, Kolkata Dr. S. Pal, Head, Process Research and Analytical Research and Technology Centre, Syngenta, Goa
27/05/16	Centenary Lecture Series – 1. Coal Petrography and its Application 2. Microfossils and their Spplication	Geology	Nandita Chaudhuri, Former Chief Scientist, Central Institute and Mining and Fuel Research, Dhanbad Dr. Anupam Ghosh, Dept. of Geological Sciences, JU
09/06/16	World Environmental Day	Environmental Science	Speech by Dr Biswajit Thakur of Meghnad Saha Institute of Technology
24/09/16	Anxiety and Creativity – Special Lecture	College	Prof. Shyamal Roy, VC, CBPBU
23/11/16	Session-I: Brand Management Session II:Employment &	BBA	

	Employability		
02/12/16	Investment for young generation	BBA	
05/12/16	Skill Development	BBA	

INTERNATIONAL CONFERENCE ATTENDED:

Prof. Aparup Khatua of Computer Science:

1. visited Germany to attend IEEE Healthcon, 2016 conference in Munich, September 14-17, 2016.
2. Conference on Complex systems (CCS 2016), from September, 19-22, 2016 in Amsterdam, Netherlands.
3. IEEE International Conference on Data Mining Services, ICDM, 2016, Barcelona, Spain, December, 12-15, 2016.

6. COLLABORATION WITH COOCHBEHAR PANCHANAN BARMA UNIVERSITY

Asutosh College is presently collaborating in teaching-learning-evaluation with Coochbehar Panchanan Barma University of Coochbehar, West Bengal, located in marginal distant border area of the state. Our faculty members are engaged with the evaluation of scripts in connection with Post-Graduate Entrance Examination. Vice-Chancellor of CBPBU delivered a lecture on Anxiety and Creativity.

The Executive Council Meeting of the University is being held in the Centenary Building of our college.

7. EVENTS
A. CLOSING CEREMONY OF CENTENARY CELEBRATIONS

The Closing Ceremony of the year-long Centenary Celebration of our college was observed on 17 July 2016 at Nazrul Mancha with due

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

importance. The dignitaries who graced the occasion include Sri Chittatosh Mookerjee, Former Chief Justice; Dr. Partha Chatterjee (Minister-in-Charge, Higher Education Department, Govt. of West Bengal); Sri Sobhandeb Chattopadhyay (MIC, Power Department, Govt. of West Bengal); Prof. Sugata Marjit, The Former V.C. of C.U.; Prof. Asutosh Ghosh, V.C. of C.U.; Sri Subrata Bakshi (M.P.); Prof. Nimai Ch. Saha, Director of Public Instruction, Higher Education Department, Govt. of West Bengal.



The guests were welcomed by Prof. Saugata Ray, M.P. and President of our Governing Body (G.B.) and Principal Dr. Dipak Kumar Kar. Our N.C.C. cadets gave Guard of Honour.

The Honourable Governor Sri Keshari Nath Tripathi released the Centenary Compendium, "Centennial" and "Centurion", the centenary journal of the Teachers' Council was released by Prof. Saugata Roy, our G.B. President. Sri Chittatosh Mookerjee released a book entitled "Mookerjees: Asutosh and Syamaprasad: An Educational Legacy" authored by Dr. D. K. Sinha, Former V.C. of Visva Bharati and one of our Alumni. The annual publications, Student's Union Magazine "Canvas" (cover design by Honourable Chief Minister Smt. Mamata Banerjee) was

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

released by Higher Education Minister Dr.Partha Chatterjee and College Prospectus and Academic Calender were released by Sri Subrata Bakshi, M.P. and also our alumnus.

The release ceremony was followed by the Felicitation of Asutoshians, our former students who excelled in various areas of life. Among them we were privileged to have Bhatnagar Awardee, Padmabhushan and Botanist and Cytogeneticist Dr. A. K. Sharma; Former V. C. And Mathematician Dr. D. K. Sinha; Sports personality and Olympian Sri Chuni Goswami; Men of letters like Sri Bhagirath Mishra and Sri Tapan Bandyopadhyay; Musicians and actors like Sri Mrinal Mukhopadhyay and Anjan Dutt; International illusionist Sri P. C Sorcar (Jr.); Honourable Higer Education Minister Dr. Partha Chatterjee and other luminaries like Sri Sukumar Samajpati (Footbaler), Sri Subrata Bakshi (M.P.), Sri Sovandeb Chattopadhyay (Power Minister), Sri Dilip Bandyopadhyay(IPS). The gift-hampers containing scroll of honour (Maanpatra), Centenary watch, Centenary publications were handed over to the Senior Asutoshians by the Junior Asutoshians, personalities who created a niche for themselves in different fields - there were University teachers like Dr. Aniruddha Mukherjee, Dr. Proyash Sarkar, Scientists like Dr. Sajal Bhattacharya and Dr. Sudip Dasgupta, Sports personality like Sri Manas Bhattacharyya, Performers (musicians and film makers) like Sri Rupam Islam, Sri Neel Dutt, Sri Debapratim Dasgupta and Sri Sohini Dasgupta. We also had administrators like Sri Somnath Basu, Smt. Rupa Bhattacharyya, Sri Bastab Baidya and Sri Baiswanar Chatterjee. Sri Radhashyam Ghosh, one of our former teachers was recipient of a special honour as he belongs to a family which has three consecutive generations of Asutoshians.

Centenary Memorial Lecture was given by Prof. Ratna Ghosh from Canada, followed by a cultural session of staging “Chitrangada”, performance by Rupankar

B. VISIT BY BANGLADESH DELEGATION

Asutosh College felt proud to be a part of an International Event on 14.06.2016. A delegation of seven members from the Gana Prajatantri

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

Bangladesh Sarkar (People's Republic of Bangladesh) paid a visit to our college on that day. The team included Mr. Ashim Karmakar, Assistant Secretary Tahsinoor Rahman, Deputy Secretary and Fatima Begum, Joint Secretary, all from the Higher Education Department of Bangladesh Government. Their agenda/purpose was to gain information regarding the procedure (including rules and regulations) in connection with the recruitment of the college teachers in Government and Govt. sponsored colleges and the working of the college Governing Bodies. Our Principal (who is also the Chairman of the W.B. College Service Commission) along with a team of senior teachers addressed their queries satisfactorily.



[The members of the teaching faculty present there: Prof. Ena Chatterjee, HoD, Statistics; Dr. Sajal Bhattacharya, HoD, Zoology; Prof. Raikamal Dasgupta, HoD, English; Dr. Chandramalli Sengupta, Former HoD, Bengali and Dr. Manas Kabi, HoD, Bengali. The members of the non-teaching faculty Smt. Jaya Das and Sri Mrinal Das were acclaimed by the team for the hospitality they extended towards the guests.]

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

The guests were welcomed with some of the college publications and token gifts. The delegates, on their part, expressed their heart-felt thanks and presented a metal plaque to the college as a memento of their visit.

C. EVENTS CONDUCTED BY DEPARTMENTS

Date	Event
07/01/2016	Cancer awareness programme : Link to life by Biochemistry Department
20/01/2016	Free eye camp in collaboration with Titan Eye Care and Suchetana organized by Biochemistry Department.
25/02/2016	Interactive Session on Career Counselling by Zoology Department

d. EVENTS CONDUCTED BY NSS UNIT

Date	Event
23/09/16	Thalassemia Awareness Lecture organized by Rotary Club of Calcutta and Biochemistry Department.
14/12/15	Thalassemia Awareness Camp in collaboration with National Medical College and Suchetana (NGO)
02/02/16	Seminar on Breast Cancer and Awareness.

E. PROJECT SUKANYA:

PROJECT SUKANYA, a self-defence course for girls, has been initiated for the girl students of Asutosh College under the aegis of Community Outreach endeavour of Kolkata police.

November 2016 onwards, our girls will be trained in basics of self-defence by instructions from the Kickboxing Association of West Bengal.

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

Training in Kickboxing is intended to bolster the self-confidence of girls in an increasingly turbulent society, in addition to empowering them with the physical fitness skills that urban adolescents habitually lack.

Around 80 girls have already signed up for the course who will be trained for 12 weeks in two hour slots once a week.

Asutosh College is one of the few colleges to have initiated PROJECT SUKANYA.

F. MISCELLANEOUS

- **ADVENTURE CAMP AT PURULIA (25TH TO 27TH November, 2016)**
- **YOGA CELEBRATION (21ST JUNE, 2016)**
- **ANNUAL SOCIAL (1ST DECEMBER, 2016)**
- **FOOD FESTIVAL (POSTO THEKE PASTA, 23RD, 24TH NOVEMBER, 2016)**
- **NATIONAL EDUCATION DAY CELEBRATION (11TH NOVEMBER, 2016: DISCUSSION SESSION ON “HIGHER EDUCATION – WHAT INDIA NEEDS?”**
- **CONVOCATION OF POST-GRADUATE DEPARTMENTS, CHAIRED BY VICE CHANCELLOR, UNIVERSITY OF CALCUTTA**
- **CONSTITUTION DAY OBSERVED ON 26TH NOVEMBER, 2016, ORGANISED BY POLITICAL SCIENCE DEPARTMENT**
- **TRANSGENDER AWARENESS PROGRAMME (IN COLLABORATION WITH GOVT. OF WEST BENGAL) ON 30TH NOVEMBER, 2016**

8. DEVELOPMENT OF GREEN CAMPUS COMPONENTS AT SECOND CAMPUS

Asutosh College as a centre of academic excellence has just concluded its centennial celebrations (1916 – 2016) in July this year. With many advancements and introduction of newer approaches towards education, the second campus at **Bhasa** on Diamond Harbour Road, South 24 Pgs, has been reshaped into the dream project of a ‘Green Campus’.



GREEN CAMPUS COMPONENTS AT 2ND CAMPUS

A. MEDICINAL PLANTS GARDEN: SUSHRUT

With this concept in view a medicinal plants garden has been set up and given the name **Sushrut** after the ancient Indian medical practitioner and surgeon who treated his patients with herbal medicines.

The garden is situated within an area of almost **7000 square feet** and surrounded by deodars. At least 100 types of medicinal plants of different families have been cultivated inside the nicely designed beds with proper nameplates bearing local and scientific names and angiospermic family identity.

The garden is associated with –

- Green house with ferns and succulants
- Orchidarium
- Butterfly Garden



MEDICINAL PLANT GARDEN AT SECOND CAMPUS

B. BIOGAS UNIT

The Bio Gas unit of 2nd campus was completed and the process of biogas production has started.



BIOGAS UNIT

C. SOLAR STREET LIGHT

Solar street lights have been installed in Second Campus and has started functioning.



SOLAR STREET LIGHT AT 2ND CAMPUS

D. RAIN WATER HARVESTING UNIT

A rain water harvesting unit has been set up and has started functioning.



RAIN WATER HARVESTING UNIT

E. AQUACULTURE & COMPOSITE FARMING UNIT

Aquaculture and Composite Farming unit has been set up where along with fish culture, other livestock and agricultural crops are being cultivated.



AQUACULTURE & COMPOSITE FARMING UNIT

F. e-WASTE MANAGEMENT

The college has started an e-Waste management system following the path of proper environment management practices. The system has started in collaboration with Hulladek Recycling Pvt Ltd . A fixed place has been demarcated where all the departments and units dump the obsolete, irreparable and energy inefficient electronic devices in a cage from where the agency collects the e-wastes in regular intervals.

9. HEALTH CARE UNIT

The Health Care/ Medical Unit at Asutosh College was launched in July, 2016 as part of the concluding programme of the year-long celebrations of the institution's centenary. It is located on the Ground Floor of the Humanities Block.

Professor-in-Charge:Dr. Chandra Chaudhuri, HoD, Department of Biochemistry

Location: Humanity Building, Ground floor

Members:Dr.Sajal Bhattacharya, HoD, Department of Zoology; Ms. Priyanka Mukherjee, Lecturer, Department of Biochemistry.

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE

	Date	Event	No.of Participants
1.	18.08.2016	Blood pressure check-up	83
2.	07.09.2016	Blood sugar check-up	70
3.	10 & 17.11.2016	Cervical Cancer Awareness	86

Visiting Physician:

1. Dr.Arijit Nanda, MBBS, General Physician, Health Check-up twice a week for 2 hours
2. Dr. Sonali Bhattacharya, MBBS, DO, Eye Specialist
3. Dr. Amal Bhattacharya, MBBS, MS, M.Ch (Ortho), Orthopaedic Specialist
4. Dr. Kalyan Bhattacharya, MBBS, MD
5. Dr. Sukesh Ranjan Chakraborty, MBBS, General Physician.

Nurse: Mrs. Hasi Majumdar

Facilities available:

- 1) Sick bed
- 2) Oxygen facility
- 3) Weighing machine
- 4) Stethoscope
- 5) Blood pressure machine (Diamond)
- 6) Blood sugar monitoring machine (Accucheck, Active)
- 7) Miscellaneous



HEALTH CARE UNIT

10. INFRASTRUCTURE

A. METEOROLOGICAL OBSERVATORY

Meteorological Observatory through Automatic Weather Station (AWS) has been set up by the Department of Geography. The AWS is a pre-configured, compact, robust and easy to use system that provide data on temperature, relative humidity, atmospheric pressure, wind speed, wind direction, solar radiation and rainfall.



METEROLOGICAL OBSERVATORY

SEISMIC DEFORMATION SIMULATION LABORATORY INSTALLED IN GEOLOGY DEPARTMENT

Instruments are used to understand, through analog modelling, process and patterns of deformation signatures in the soil and sediment layers due to seismic triggers.

B. DIGITALIZATION OF LIBRARY

The college library has initiated Digital Preservation of rare, old and fragile documents of our century old Library to sustain the quality of resource for posterity.

C. VIRTUAL CLASS ROOM

Centenary Building has been housed with virtual classes with smart board, video conferencing unit, necessary software and hardware facility.

D. TRANSPORTATION (BUS)

Our alumnus Sri Subrata Bakshi MP, gifted a TATA MARCO POLO Luxury Bus to our college for the students and teachers to ply between different campus of the college.



BUS DONATED BY HON'BLE MP SRI SUBRATA BAKSHI

E. PC RAY PRANGAN

Asutosh College has dedicated the courtyard of Chemistry Department for P. C. Ray Prangan. We are happy to inaugurate the statue in revered memory of Acharya in this 'prangan' on 13th May, 2016, at Chemistry Lecture Hall. Dr. D. K. Kar, Principal of the college inaugurated the prangan by unveiling of the statue of Acharya. The first Acharya P. C. Ray Memorial lecture was delivered by Professor Asutosh Ghosh Vice-Chancellor, University of Calcutta (Title: "The Life and Works of Acharya Prafulla Chandra Ray"). Welcome & Introductory Remarks had been delivered by Dr. D. K. Kar (Principal, Asutosh College).



UNVEILING OF BUST OF PROF. P. C. RAY

F. VIVEK PRANGAN IN CANTEEN AREA

The Space in front of the Students' canteen at the third floor is dedicated in the memory of Swami Vivekananda and is named as 'Vivek Prangan'. The area is covered, properly illuminated and with air circulation facility. The space has a permanent seating arrangement for 150 students. The space is used by students as an area for out-of-the class discussions during off-periods. The space is also used to host various programmes organised by students.



VIVEK PRANGAN

G. PLAYGROUND

At 2nd Campus Volleyball court for Boys and Badminton court for Girls are developed. College Gymnasium modernized.

H.SEMINAR HALL

Seminar Hall and Smart Class Room at 2nd campus have been developed.

I. ARCHIVES

The Asutosh College Archives, conceptualised on the eve of the Centenary of the college. It started journey in month of July, 2016. It contains old magazines, old library books with seal of South Suburban College, a photographic history of the college, records of awards and various recognitions of the college, prospectus of the college and various post-graduate and skill-development courses, mementoes and trophies connected with fields other than sports, Academic calendars of different years and other publications of the college.

ADDENDUM TO SSR 2015 : ASUTOSH COLLEGE



ASUTOSH COLLEGE ARCHIVE