



Yearly Status Report - 2019-2020

Part A

Data of the Institution

| | |
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| Part A | |
| Data of the Institution | |
| 1. Name of the Institution | ASUTOSH COLLEGE |
| Name of the head of the Institution | APURBA RAY |
| Designation | Principal (in-charge) |
| Does the Institution function from own campus | Yes |
| Phone no/Alternate Phone no. | 03324554504 |
| Mobile no. | 9903889424 |
| Registered Email | mail@asutoshcollege.in |
| Alternate Email | tathagataray.chaudhuri@asutoshcollege.in |
| Address | 92, SHYAMAPRASAD MUKHERJEE ROAD |
| City/Town | KOLKATA |
| State/UT | West Bengal |
| Pincode | 700026 |

| | |
|--|--|
| 2. Institutional Status | |
| Affiliated / Constituent | Affiliated |
| Type of Institution | Co-education |
| Location | Urban |
| Financial Status | Self financed and grant-in-aid |
| Name of the IQAC co-ordinator/Director | DR. TATHAGATA RAY CHAUDHURI |
| Phone no/Alternate Phone no. | 03324554504 |
| Mobile no. | 9831162419 |
| Registered Email | mail@asutoshcollege.in |
| Alternate Email | tathagataray.chaudhuri@asutoshcollege.in |

| | |
|--|---|
| 3. Website Address | |
| Web-link of the AQAR: (Previous Academic Year) | https://asutoshcollege.in/new-web/aqar.html |
| 4. Whether Academic Calendar prepared during the year | Yes |
| if yes,whether it is uploaded in the institutional website: Weblink : | https://asutoshcollege.in/new-web/academic-calendar.html |

| 5. Accrediation Details | | | | | |
|--------------------------------|-------|-------|----------------------|-------------|-------------|
| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
| | | | | Period From | Period To |
| 2 | A | 3.22 | 2017 | 23-Jan-2017 | 22-Jan-2022 |
| 1 | C++ | 66.75 | 2002 | 01-Oct-2002 | 30-Sep-2007 |

| | |
|---|-------------|
| 6. Date of Establishment of IQAC | 01-Oct-2009 |
|---|-------------|

| |
|---|
| 7. Internal Quality Assurance System |
|---|

| Quality initiatives by IQAC during the year for promoting quality culture | | |
|---|-----------------|---------------------------------------|
| Item /Title of the quality initiative by | Date & Duration | Number of participants/ beneficiaries |

| | | |
|---|------------------|----|
| IQAC | | |
| ORIENTATION MEETING FOR NEW FACULTY MEMBERS | 29-Aug-2019 1 | 48 |
| IQAC MEETING | 14-Aug-2019 1 | 21 |
| IQAC MEETING FOR AQAR DATA ENTRY | 19-Dec-2019 1 | 7 |
| IQAC MEETING | 05-Dec-2019 1 | 21 |
| INDUCTION MEETING FOR DATA ENTRY BY MEMBERS | 14-Nov-2019 1 | 52 |
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--------------------------------|----------|----------------|-----------------------------|----------|
| ASUTOSH COLLEGE | RUSA 2.0 | RUSA | 2018 730 | 20000000 |
| ASUTOSH COLLEGE | DST-FIST | DST | 2017 1825 | 11000000 |
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

5

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

- Certificate courses in Basic Computer Skills and Web Designing, Soft Skills Development, and Career Counselling and Training launched for respectively Semester 1, Semester 3 and 3rd year students of the college.
- Induction programme for the newly appointed teachers organised to acquaint them with the

values of institutional accreditation and the new method of NAAC accreditation. • A team of 6 faculty members constituted for online entry of AQAR data from this session. • A committee made to revamp the college website proposals from senior faculty members and members of IQAC taken regarding the design and content of the website.

[View File](#)

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

| Plan of Action | Achievements/Outcomes |
|--|---|
| Utilization of RUSA2.0 Grant | Upgrading of classrooms, laboratories Procurement of instruments for laboratories Purchase of books and journals for departmental libraries Ensuring maximum utilization of the above. |
| Utilization of DST-FIST Grant | Re-designing and upgrading of laboratory facilities for Science departments. Phase I executed. |
| Launching of Certificate courses | Basic Computer Skills and Web designing Soft Skills and Communication Development Course Career Counselling and Training courses launched |
| Postgraduate Courses in Botany and Chemistry | Further processing in progress |
| Departments to arrange for Academic Enrichment of students | Extension lectures/ Seminars/ Webinars organised by the departments. |
| Research Facilities Enhancement | Acquiring of premises adjacent to college Main Building for setting up a dedicated research unit. |
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14. Whether AQAR was placed before statutory body ?

Yes

| Name of Statutory Body | Meeting Date |
|-----------------------------------|--------------|
| GOVERNING BODY OF ASUTOSH COLLEGE | 28-Feb-2022 |

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

| | |
|--|--|
| Date of Submission | 24-Jun-2020 |
| 17. Does the Institution have Management Information System ? | Yes |
| If yes, give a brief description and a list of modules currently operational (maximum 500 words) | <ul style="list-style-type: none"> • Student Admission: Admission to both UG and PG courses and submission of fees are entirely online. • Examination: Successful implementation of online mode of examination for Final year students of the UG course and the end semester students of the PG course • Process of automation of the Accounts section initiated • Pension processing initiated as per Govt. rules • Purchase and procurement through digital means including e tendering and bank transfer of funds (PFMS) • Digitization/ automation of library facilities. |

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

• Being an affiliated college, the institution implements the curriculum designed by the University of Calcutta at the undergraduate level. • At the PG level, from the 2019-2020 session, under the directive of the affiliating University, no separate syllabus was framed and all PG departments followed the PG level syllabus of the University of Calcutta. • Orientation programme for newly-admitted students. • Distribution of academic calendars by departments containing detailed syllabus, overall pattern of examination, and approximate number of lectures allotted for each unit/module. • At the commencement of each semester, departmental meetings held for syllabus-allotment and discussions on teaching methodologies. • Classes held according to a master routine. • Remedial classes for academically weaker students belonging to the various categories, as per the UGC guidelines. • Regular class tests to gauge the academic growth of the students. • A well-stocked and fully-automated Central Library with reading room and lending facilities and departmental libraries, under an assigned faculty member from each department to supplement class lectures. • Classroom lectures essentially follow the chalk-and-talk method. Each department is equipped with LCD projectors, laptops and portable screens for PowerPoint presentations, as required. • 'One-to-one' interaction and hands-on training during practical/demonstration sessions in well-equipped laboratories in the science departments. • Extension lectures by eminent personalities from concerned fields to enrich understanding of the students. • Syllabus-relevant audio-visual content, followed by question-answer sessions arranged by most departments to break the monotony of classroom lectures and motivate students to think out of the box. • Students encouraged to think independently, raise questions and engage in debates and discussions and also to participate in seminars/ webinars and conferences within and outside the college. • Student paper presentation sessions in many departments to help them have a better grip over the subject and develop their self-confidence. • Field-based excursions and educational tours enable students to gain hands-on

experience, both at the UG and the PG levels. • All activities related to curriculum delivery had to be shifted to the online mode from 16 March, 2020 because of the pandemic and resultant lockdown.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employability/entrepreneurship | Skill Development |
|---|-----------------|-----------------------|----------|---|-------------------|
| Soft Skills and Communication Development | NA | 01/07/2019 | 180 | YES | YES |
| Basic Computer Course and Web Designing | NA | 01/07/2019 | 180 | YES | YES |
| Career Counselling and Training Programme | NA | 25/02/2020 | 180 | YES | YES |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|-------------------|--------------------------|-----------------------|
| Nil | NIL | Nil |
| No file uploaded. | | |

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|----------------------------------|--|---|
| BA | All Courses offered by Asutosh College | 17/07/2018 |
| BSc | All Courses offered by Asutosh College | 17/07/2018 |
| MA | Bengali | 17/07/2018 |
| MSc | Applied Geology, Computer Science, Environmental Science, Geography, Zoology | 17/07/2018 |
| BBA | Management | 17/07/2018 |

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

| | Certificate | Diploma Course |
|--------------------|-------------|----------------|
| Number of Students | 2991 | 0 |

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
|---------------------|----------------------|-----------------------------|
|---------------------|----------------------|-----------------------------|

| | | |
|-------------------|-----|---|
| NIL | Nil | 0 |
| No file uploaded. | | |

1.3.2 – Field Projects / Internships undertaken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|---------------------------|--|---|
| BA | English, History, Philosophy, Journalism and Mass Communication | 474 |
| BSc | Botany, Environmental science, Geography, Geology, Physics | 432 |
| BVoc | Fish Processing and Value Added Fish Products | 18 |
| BBA | Marketing and HR | 36 |
| MSc | Applied Geology, Computer Science, Environmental Science, Geography, Zoology | 196 |
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|-----------|-----|
| Students | Yes |
| Teachers | Yes |
| Employers | No |
| Alumni | Yes |
| Parents | Yes |

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

| Feedback Obtained |
|---|
| <ul style="list-style-type: none"> The system of obtaining feedback from stakeholders is as follows: Feedback is taken through questionnaires. from parents/guardians (through guardian-teacher meetings to discuss student progress) from Class Representatives who liaise between the department and its students. Feedback regarding curriculum is discussed. Feedback obtained regarding academic and development issues is discussed in the Teachers' Council and IQAC meetings and necessary steps taken. Feedback report link (https://cloud.asutoshcollege.in/WebFront/fbhome.html) |

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|--------------------------|---------------------------|--------------------------------|-------------------|
| BVoc | Vocational Studies | 100 | 221 | 51 |
| BBA | Management Course | 75 | 331 | 70 |

| | | | | |
|-----|--|------|-------|------|
| BA | All Arts Courses offered by Asutosh College | 1100 | 13659 | 793 |
| BSc | All Science Courses offered by Asutosh College | 1350 | 23597 | 1017 |
| MA | Bengali | 55 | 21 | 21 |
| MSc | Applied Geology, Computer Science, Environmental Science, Geography, Zoology | 141 | 123 | 123 |

[View File](#)

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2019 | 1931 | 144 | 139 | 0 | 55 |

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 194 | 80 | 45 | 45 | 1 | 6 |

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

- The system of student- mentoring in the college does not simply focus on academics but is carried out keeping in mind the idea of holistic education and all-round development of students: • Academic Mentoring • Curriculum-based teaching and evaluation mainly depend on the specifications and requirements of Calcutta University to which the college is affiliated. Besides these, however, different departments and units of the college have devised their own strategies for student mentoring/ guidance with regard to academics including: • setting tutorial assignments and subsequent evaluation of the same • facility for remedial coaching for students who require it • interactive sessions and group discussions. • Encouraging student participation in intra- and inter-college competitions, seminars, workshops organising student-centric cultural activities in college. • Identifying students oriented towards higher studies including research and sharing advanced study material with them, or counselling them for entrance/ eligibility examinations like UGC-NET, GATE, GRE, TOEFL. A. Mentorship for Outreach Activities, Skill, Personality and Mental Health Development: • Encouraging participation in co-curricular character-building activities through ? social outreach work of the NSS unit, Women’s Empowerment Cell, Healthcare unit ? adventure camps organised by the Adventure Club for interested students to give them

exposure to outdoor activities like rock-climbing, day and night trekking, birdwatching, yoga. ? The department of Psychology offers one-to-one counselling sessions on personal problems, effective time management strategies, strategies for enhancement of memory, improving presentation skills, optimising learning strategies ? Awareness camps regarding social and health issues are organised by departments like Philosophy, Biochemistry and the NSS unit. B. Career Development Mentorship: • Offering career counselling to all final year students of the college through a dedicated Cell. • Providing placement opportunities through a Placement Cell. • Organising industry/ field visits ? The department of Psychology regularly organises visits to psychiatric rehabilitation centres ? The departments of Physics and Electronics organise visits to institutes like the Meteorological Centre, Kolkata, Variable Energy Cyclotron Centre, Kolkata ? The department of History organises excursions to places of historical interest, and museums) to increase exposure of students to varied experiences ? Student seminars/ workshops/ extension lectures/ exhibitions/ quiz competitions are organised by all departments at regular intervals ? The department of Journalism and Mass Communication encourages the students to undergo internship with professional bodies and media houses.

| | | |
|--|-----------------------------|-----------------------|
| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| 2075 | 194 | 1:11 |

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 120 | 118 | 2 | 34 | 85 |

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|-------------------|---|-------------|--|
| Nil | NA | Nil | NA |
| No file uploaded. | | | |

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|----------------|--------------------|----------------|--|---|
| BVoc | Vocational Studies | 6 | 11/10/2020 | 15/10/2020 |
| BBA | Management | 6 | 25/11/2020 | 31/01/2021 |
| BA | Hons/Gen/Major | 6 | 04/12/2020 | 31/01/2021 |
| BSc | Hons/Gen/Major | 6 | 07/12/2020 | 31/01/2021 |
| MA | Bengali | 4 | 10/10/2020 | 27/10/2020 |
| MSc | Geology | 4 | 07/10/2020 | 27/10/2020 |
| MSc | Geography | 4 | 10/10/2020 | 27/10/2020 |
| MSc | Computer Science | 4 | 09/10/2020 | 28/10/2020 |

| | | | | |
|---------------------------|-----------------------|---|------------|------------|
| MSc | Environmental Science | 4 | 09/10/2020 | 27/10/2020 |
| MSc | Zoology | 4 | 09/10/2020 | 27/10/2020 |
| View File | | | | |

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

• The system of CIE is followed by the different departments of the college, and is conducted keeping in mind the academic calendar and requirements of Calcutta University, the affiliating university. These are not, strictly speaking, reforms, but in addition to the terminal/end-semester evaluation processes of the University, and are conducted to monitor academic progress, increase the level of confidence among students while preparing them for formal academic evaluation at the University level and also to understand and address the needs of less meritorious students. The various ways in which CIE is operative in the college include

- Class tests and tutorials
- Home assignments
- Syllabus- oriented Term papers and Project preparation
- Syllabus-related paper presentations
- Impromptu group discussions
- Facilitating internship in departments like Journalism and Mass Communication
- Compulsory field work for students of Botany, Geography, Geology, Microbiology, Zoology, and Industrial Fish and Fisheries (B.Sc. Major)
- Report writing based on educational excursions in departments like History, Philosophy
- Conducting mock interviews
- Compulsory Viva voce examinations in departments like Economics, English, and other laboratory-based Science subjects.
- After 16 March 2020, when the lockdown began and academic activities shifted to the online mode, CIE had to be confined to online discussions and electronic submission of academic assignments/ projects/ term papers.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

• Since the college is not an autonomous institution, all academic departments follow the guidelines of the respective Boards of Studies of the University of Calcutta to which the college is affiliated. The schedule of Internal Assessment and Practical examinations for laboratory-based subjects and the schedule of Internal Assessment and Tutorials for non-laboratory-based subjects are drawn up by the college administration in accordance with the Academic Calendar of Calcutta University.

• The COVID-19 pandemic and resultant lockdown led to the disruption in both the normal academic routine and university academic calendar when teaching-learning, examinations, and assessment had to shift to the online mode without prior preparation. This led to all university examinations being delayed by a few months.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://asutoshcollege.in/new-web/AQAR-Supporting-Documents-Criterion-2-19-20.html>

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|--------------------------|---|---|-----------------|
| BVoc | BVoc | Vocational Studies | 27 | 27 | 100 |

| | | | | | |
|--|-----|--|------|-----|-------|
| BBA | BBA | Management | 48 | 48 | 100 |
| BCMA, BOTA, CEMA, CMSA, ECOA, ELTA, ENVA, GELA, GEOA, MCBA, MTMA, PHSA, PSYA, STSA, ZOOA, IFFV, BSCG | BSc | All Science Courses offered by Asutosh College | 1218 | 897 | 73.64 |
| BNGA, ENGA, HISA, JORA, PHIA, PLSA, PSYA, SANA, SOCA, CMEV, BAG | BA | All Arts Courses offered by Asutosh College | 909 | 549 | 60.40 |
| BNGAS | MA | Bengali | 44 | 44 | 100 |
| AGAS, CSAS, EVAS, GGAS, ZOAS | MSc | Applied Geology, Computer Science, Env ironmental Science, Geography, Zoology | 120 | 120 | 100 |

[View File](#)

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

[_https://asutoshcollege.in/new-web/student-satisfaction-survey.html_](https://asutoshcollege.in/new-web/student-satisfaction-survey.html)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|-----------------------|----------|------------------------------------|------------------------|---------------------------------|
| Major Projects | 1095 | Indian Space Research Organization | 2390000 | 958000 |

[View File](#)

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

| Title of workshop/seminar | Name of the Dept. | Date |
|---|--|------------|
| Seminar on Intellectual Property Rights | Seminar/Workshop Organising central Committee in collaboration with IQAC | 17/09/2019 |
| Seminar Encouraging | Dept. of B.Voc studies in | 20/02/2020 |

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|-------------------------|-----------------|-----------------|---------------|----------|
| NA | Nil | Nil | Nil | Nil |
| No file uploaded. | | | | |

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|-------------------|------|--------------|----------------------|--------------------|----------------------|
| NA | Nil | Nil | Nil | Nil | Nil |
| No file uploaded. | | | | | |

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|-------|----------|---------------|
| 0 | 0 | 0 |

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

| Name of the Department | Number of PhD's Awarded |
|------------------------|-------------------------|
| NA | 0 |

3.3.3 – Research Publications in the Journals notified on UGC website during the year

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---------------------------|--------------|-----------------------|--------------------------------|
| International | MICROBIOLOGY | 9 | 5 |
| View File | | | |

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

| Department | Number of Publication |
|---------------------------|-----------------------|
| ENVIRONMENTAL SCIENCE | 25 |
| View File | |

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|---|----------------|--|---------------------|----------------|---|---|
| A GA based hierarchical feature selection approach for handwritten word recognition | Samir Malakar | Neural Computing and Applications Neural Computing and Applications | 2020 | Nil | Asutosh College - Department of Botany | 39 |

[View File](#)

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|--|----------------|--|---------------------|---------|---|--|
| Air quality assessment among populous sites of major metropolitan cities in India during COVID-19 pandemic confinement | Kaizar Hossain | Environmental Science and Pollution Research | 2020 | 16 | 7 | Department of Environmental Science, Asutosh College, Kolkata, India |
| View File | | | | | | |

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 36 | 19 | 11 | 10 |
| View File | | | | |

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|----------------------------|--|--|--|
| Observation of No Drug Day | NSS Unit, University of Calcutta | 3 | 56 |
| View File | | | |

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|----------------------|-------------------|-----------------|------------------------------|
| NA | 0 | NA | 0 |
| No file uploaded. | | | |

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activities | Number of students participated in such activities |
|----------------------------|---|----------------------------|--|--|
| Observation of No Drug Day | NSS Unit, Asutosh College | Observation of No Drug Day | 3 | 56 |

[View File](#)

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

| Nature of activity | Participant | Source of financial support | Duration |
|------------------------------------|-------------|-----------------------------|----------|
| SUMMER INTERNSHIP FOR M.Sc. THESIS | 5 | self | 90 |

[View File](#)

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|-------------------|----------------------|---|---------------|-------------|-------------|
| Job training | Industrial training | TISCO (Noamundi) | 29/06/2019 | 14/07/2019 | 6 |

[View File](#)

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|-------------------------|--------------------|--|---|
| DIVINE ELECTRO SOLUTION | 02/03/2016 | Guest lecturership, internship, on job training, commitment on recruiting students and placement in various Industries / Organizations | 31 |

[View File](#)

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|--|--|
| 400 | 399.55 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|---------------|-------------------------|
| Campus Area | Newly Added |
| Class rooms | Existing |
| Laboratories | Existing |
| Seminar Halls | Existing |

| | |
|--|-------------|
| Classrooms with LCD facilities | Existing |
| Classrooms with Wi-Fi OR LAN | Existing |
| Seminar halls with ICT facilities | Existing |
| Value of the equipment purchased during the year (rs. in lakhs) | Newly Added |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Existing |
| View File | |

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or partially) | Version | Year of automation |
|--------------------------------|---|---------|--------------------|
| Asutosh College Library System | Partially | NA | 2012 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---------------------------|----------|----------|-------------|---------|---------|----------|
| | | | | | | |
| CD & Video | 20 | Nill | Nill | Nill | 20 | Nill |
| Library Automation | 1 | Nill | Nill | Nill | 1 | Nill |
| Others(s pecify) | 2406 | Nill | Nill | Nill | 2406 | Nill |
| Text Books | 56677 | 10040000 | 1440 | 1208003 | 58117 | 11248003 |
| Reference Books | 1376 | 1718000 | 428 | 744260 | 1804 | 2462260 |
| e-Books | 3135809 | 5900 | 1987 | 5900 | 3137796 | 11800 |
| Journals | 828 | 535000 | Nill | Nill | 828 | 535000 |
| e-Journals | 6237 | 5900 | 15 | 5900 | 6252 | 11800 |
| View File | | | | | | |

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|---------------------------|--------------------|---|-----------------------------|
| All Teachers | UG and PG | Google Classroom, WhatsApp, Telegram, YouTube | 01/04/2020 |
| View File | | | |

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|---------------------------------|--------|
| Existing | 458 | 132 | 458 | 40 | 30 | 40 | 216 | 30 | 0 |
| Added | 33 | 33 | 33 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 491 | 165 | 491 | 40 | 30 | 40 | 216 | 30 | 0 |

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

30 MBPS/ GBPS

4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
|---|---|
| Study Material for Students for Home Learning | https://asutoshcollege.in/new-web/study_material_2020.html |

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 95 | 47.08 | 163.73 | 126.54 |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

LABORATORIES: Maintenance of laboratories is the responsibility of individual departments, with the non-teaching members of these departments providing necessary support in maintaining a stock register which is regularly updated, monitoring equipment usage, and ensuring clean and hazard-free environment and fire-fighting facilities. **LIBRARY:** The college has a Central Library with both lending and Reading Room facilities as well as dedicated Seminar Libraries for each department. The Central Library is located in the Main Building, but has two additional sections in the ACTC Building (Reading Room only) and in the Centenary Building (both lending and reading). The Library is maintained by a staff comprising Librarian, and support staff. There is also a Library Committee, of which the librarians are ex officio members, and which meets periodically to review activities and suggest improvements for providing better services to students and faculty. **SPORTS COMPLEX:** The college has its own tent in the Kolkata Maidan (one of two colleges in Kolkata to have their own sports tent) to compensate for the lack of open grounds in its main campus located in the heart of the city. The Bhasa campus, located in the suburbs, has spacious grounds for outdoor sports. Both the Maidan Tent and the Bhasa campus are well-equipped with sports equipment like cricket, football, and boxing gear, and body fitness equipment. The Students' Common Room in the Main Building is also equipped with facilities for indoor games like carrom and table tennis. A Sports Committee comprising teaching and non-teaching staff and students supervises all sporting activities in the college, including Annual Sports. **COMPUTERS AND PERIPHERALS:** The various academic departments are responsible for maintenance of departmental computers and peripherals, while those in use in

the Office and Accounts, and IT sections are maintained by the IT section staff. For purchase of hardware and software, requisitions are submitted by departmental heads to the Vice-Principal's office, which then arranges procurement of the same. AMCs are made for hardware maintenance. CLASSROOMS: Classrooms, corridors and staircases undergo periodic inspection by the Building Development Committee which arranges for renovation and repair work as and when necessary, after due process of submitting report to the administration.

<https://asutoshcollege.in/new-web/maintaining-institutional-facilities.html>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

| | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--|--------------------|------------------|
| Financial Support from institution | Institution Level Concession | 73 | 467462 |
| Financial Support from Other Sources | | | |
| a) National | Kanyashree (K1,K2 ,K3) SVMCM SWAMI VIVEKANANDA MERIT CUM MEANS SCHOLARSHIP | 497 | 9970000 |
| b) International | Nil | Nil | Nil |
| View File | | | |

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implementation | Number of students enrolled | Agencies involved |
|--|------------------------|-----------------------------|----------------------------|
| Career Counselling and Training Programme | 25/02/2020 | 774 | Internal College Committee |
| Soft Skills and Communication Development Course | 01/07/2019 | 995 | Internal College Committee |
| Basic Computer Course and Web Designing | 01/07/2019 | 1252 | Internal College Committee |
| View File | | | |

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|------|--------------------------|--|--|--|---------------------------|
| 2019 | Guidance for Competitive | 74 | 774 | 11 | Nil |

Examination

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---------------------------|--------------------------------|---|
| 4 | 4 | 10 |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|-------------------------------|---------------------------------|---------------------------|---|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| NA | 0 | 0 | Infosys , Cognizant Graduate Trainee, Cognizant Programmer Trainee, Brainium Information Technologies Pvt. Ltd, Cerner Healthcare Solutions India Pvt. Ltd. Tata Consultancy Services, Tracxn Technologies Pvt. Ltd . Bijoy Krishna Girls College, Bhaktiv | 105 | 24 |

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Department graduated from | Name of institution joined | Name of programme admitted to |
|------|--|--------------------------|---------------------------|--|---|
| 2019 | 11 | Undergraduate Programme | Mathematics | University of Calcutta, Durg University , Indian Association for the | M.sc in applied mathematics , MSc mathematics |

Cultivation
of Science
INDIAN
STATISTICAL
INSTITUTE,
KOLKATA

[View File](#)

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|-----------|---|
| NET | 7 |
| GATE | 2 |
| CAT | 4 |
| Any Other | 6 |

[View File](#)

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

| Activity | Level | Number of Participants |
|--------------------------------|---------|------------------------|
| Annual sports event "Krira" | College | 223 |
| Cultural fest "Udaan" | College | 178 |
| Asutosh Soccer League | College | 120 |
| Asutosh Premier League | College | 94 |
| Lalon theke Lennon | College | 93 |

[View File](#)

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

| Year | Name of the award/medal | National/ International | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|------|--|-------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| 2019 | 1ST IN INTERNATIONAL KARATE CHAMPIONSHIP | International | 1 | Nil | ASUUG | DUKE PANDEY |
| 2020 | Bengal Art Factory | National | Nil | 1 | PGZ0017 | Madhurima Mondal |

[View File](#)

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Student Council works in coherence with the college administration for the benefit of students. The Council regularly extends voluntary participation in various administrative activities such as admission, examinations so that students don't face any problems. Some of the activities of the student body in the year include: • Sports and cultural events of various genres, 'Posto theke

Pasta' 'Lalon theke Lennon', Common Room Carnival, Asutosh Premier League (Cricket), Asutosh Soccer league, and Badminton tournament organized annually to keep students involved in recreational and extra-curricular activities • As part of its social commitment, organising a blood donation programme in the Students' Common Room • An intercollege cultural programme, 'Udaan' • The college annual sports event, 'Krira' in collaboration with the Sports Committee early in the year at the college ground in the Kolkata Maidan. All the above-mentioned events are annual events and are regularly organised every year. The Student Council is also extending generous support to the families of students' hailing from faraway parts of the state during the time of the current lockdown due to the COVID-19 pandemic. It is also actively involved in COVID-19 relief work. Students also made a short film in response to the lockdown crisis titled 'Sesh Theke Suru'. It is a small glimpse of the actual short story Sesh Suru. (https://youtu.be/bS_MHHtrbAc). Apart from these activities, some of the committees and units include representative/s of the students' council: • College Governing Body (as per the University of Calcutta Statute) • Internal Quality Assurance Cell (IQAC) (as per UGC guidelines) • Sports Committee • Cultural Unit • Adventure Club • Canteen Unit • Eco Club

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes. The Asutosh College Alumni Association was established in the year 2010 and registered under the West Bengal Society Registration Act, 1961 (Registration No.72752) with its registered office address 92, S.P. Mukherjee Road, Kolkata 700026. • Number of members – 530 • the Association encourages fostering and promoting close interaction among the alumni themselves. • Alumni members serve as governing body representatives to support the efforts of the college and bring about social welfare through different programmes. • Alumni and faculty of Asutosh College, Dr Sudip Mandal (Department of Bengali), Dr. Arijit Chatterjee (Department of Environmental Science) helped needy people, who were affected by natural disasters such as Super Cyclone Amphan and through financial donation at different locations of Sundarbans (Gosaba, Patharpratima, Sagar Islands and Bali islands), West Bengal. The Alumni Association along with the college staff donated to the Chief Minister's Relief Fund in 2020 (one day salary) for Amphaan and COVID-19 relief. Dr. Sajal Bhattacharya, Associate Professor and a respected alumnus has contributed immensely to the research on and understanding of the science of the corona virus disease and subsequent pandemic through his research articles published in international journals.

5.4.2 – No. of enrolled Alumni:

530

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

0

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

For the manifold requirements of effective governance, the college has adopted the following decentralized and participative management practices: • Formed a

set of committees and cells under the aegis of the IQAC and guidance of the Vice-Principal and Bursar, to coordinate various academic/ curricular, co-curricular, and administrative activities • The committees are given complete autonomy in their designated area of activities. • Appointed Campus-in-charge for the different campuses/ buildings of the college to coordinate campus-specific activities including maintenance • Initiated steps to face the challenges of the early phase of the COVID-19 pandemic and resultant lockdown.

- Ensured student representation in many committees.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

| Strategy Type | Details |
|--------------------------------------|---|
| Industry Interaction / Collaboration | <ul style="list-style-type: none"> • The Placement Cell organises campus interviews by companies like Tata Consultancy Services, Cognizant, among others, and career counselling workshops/sessions. • Industrial visits are organised to give students a real feel and broaden their horizon. |
| Human Resource Management | <ul style="list-style-type: none"> • Facilitating the participation of faculty members in Orientation and Management Refresher courses, short-term courses, workshops. • Organising seminars and interactive sessions to generate awareness about issues like thalassemia, diabetes, breast cancer, and the role of social media in today's world, its inherent dangers, cybercrime, sexual harassment, problems of social acceptance of the LGBT community. • Fully functional Grievance Redressal, Anti-Ragging, Prevention of Sexual Harassment cells. • Appointment of a trained nurse to address emergency medical needs and monitor general health parameters like blood pressure and blood sugar levels of staff members. • Admission of Students through a completely online process to both UG and PG programmes. • Standard Govt. rules observed strictly for reserved categories. • Library, ICT and Physical Infrastructure / Instrumentation Humanities ACTC building were renovated with RUSA 2.0 grants. • Completed construction of Hostels in the second campus at Bhasa, with UGC and state funding. • Restocked Central library and departmental libraries with books and journals and procured laboratory equipment using college, DST-FIST RUSA 2.0 grants. • Constructed Solar Power panel in |

collaboration with and financial support of WBREDA, on the terrace of the college Main Building, with generation capacity of 2.5MW. • The Main Building, Humanities Block, ACTC are wi-fi-enabled campuses. • Developing the Second Campus into a Green Campus and construction of a ten-storied Academic-Block (partially funded by the RUSA 2.0)

Admission of Students

Completely online process of admission to both UG and PG programmes. Standard Govt. rules observed strictly for reserved categories.

Library, ICT and Physical Infrastructure / Instrumentation

Humanities building and ACTC building were renovated along with installation of fire fighting system with RUSA 2.0 grants. Completed construction of Hostels in the second campus at Bhasa, with UGC and state funding. Restocked Central library and departmental libraries with books and journals and procured laboratory equipment using college, DST-FIST and RUSA 2.0 grants. Constructed Solar Power panel in collaboration with and financial support of WBREDA, on the terrace of the college Main Building, with generation capacity of 2.5MW. The Main Building, Humanities Block, ACTC are wi-fi-enabled campuses. Developing the Second Campus into a Green Campus and construction of a ten-storied Academic-Block (partially funded by the RUSA 2.0)

Research and Development

• The college motivates faculty members to present papers in different seminars and conferences, at the state, national and international levels. • Encourages teaching staff to publish research-oriented work in recognized peer-reviewed academic publications, including books and journals with high impact factor. • Permits and encourages faculty members act as M.Phil/Ph.D. Supervisors. • Explores possibilities sponsoring research projects from funding agencies like UGC, DBT, ICSSR, ISRO and others.

Examination and Evaluation

• The institution follows the University-approved Choice Based Credit System under the semester setup introduced from the 2018-2019 academic session. • Examination and evaluation comprise end-semester Theory and Practical examinations conducted by the

University of Calcutta, and Internal Assessment conducted by the respective departments comprising internal examination, project with viva voce/tutorial, and percentage of attendance for classes during a semester. Currently, the last batch of the earlier 3-year degree course who are on the verge of completing their graduation, were examined and evaluated through mid-term examinations, selection tests, both covered by the respective departments, and the Final examinations conducted by the university

Teaching and Learning

- Access to online learning resources through internet.
- Organising extension lectures, student seminars, paper presentation, industry visit and educational excursions.
- To ensure the continuity of teaching-learning activities during the pandemic, the college shifted its classes to online mode using platforms like Google Meet, Zoom, Telegram, Whatsapp.
- Study materials were uploaded in the college website by the departments.
- Seminars (webinars) were conducted by various departments using web-conferencing platforms and were streamed live on the college YouTube channel. Thus, the college witnessed a shift from chalk-and-duster to the e-learning mode to cope with the challenges of the COVID-19 pandemic.

Curriculum Development

As such, the college does not enjoy the freedom of curriculum designing or syllabus making since it is affiliated under University of Calcutta. It can only enhance the curriculum programme through field studies, industry visits, and similar exercises. Project submission, seminar presentation and paper-reading sessions by students, conducting soft skills development courses are other viable ways adopted by the college to enhance the teaching-learning experience.

6.2.2 – Implementation of e-governance in areas of operations:

| E-governance area | Details |
|-------------------------------|--|
| Student Admission and Support | <ul style="list-style-type: none"> • Online admission including payment gateway. • Maintenance of student database through college-designed software • Dissemination of information via sms notification to students. |

| | |
|--------------------------|--|
| Administration | For purchases made through Govt. grants e-tendering is made through Govt. portal. Vice-Principal and Bursar equipped with digital signatures for processing of govt. grants through PFMS. Submission of superannuation documents through e-pension portal of the state govt. |
| Finance and Accounts | <ul style="list-style-type: none"> Fully computerised Office and Accounts section. Receiving of Salary funds from Govt. Treasury through HRMS portal |
| Examination | Both UG and PG examination systems conducted in online mode as per guideline of University of Calcutta. Online exams began only in September, 2020. |
| Planning and Development | <ul style="list-style-type: none"> Dissemination of information through SMS and Whatsapp group posts. Submission of superannuation documents through e-pension portal of the state govt. No retirements in 2019-20. College is planning for revamping the e-governance with amore dynamic portal. |

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|-------------------|-----------------|--|--|-------------------|
| Nill | NA | NA | NA | 0 |
| No file uploaded. | | | | |

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|-------------------|--|---|-----------|---------|---|---|
| Nill | NA | NA | Nill | Nill | Nill | Nill |
| No file uploaded. | | | | | | |

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---------------------------------|------------|------------|----------|
| Faculty | 1 | 01/12/2020 | 28/12/2020 | 28 |

Induction Programme

[View File](#)

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching | | Non-teaching | |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| 36 | 117 | 5 | 10 |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|--|---|---|
| Health Scheme by Govt. of West Bengal (West Bengal Health Scheme: WBHS) , Membership and loan facility from College Cooperative Credit Society Ltd., Membership of group insurance | Membership of Group Insurance, Employees' Provident Fund Organization, Employees' state insurance corporation (ESIC) , Ex Gratia Payment for college appointed NTS, Membership and loan facility from College Cooperative Credit Society Ltd. , Contribution of winter garments | 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 |

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Institution conducts internal and external financial audits regularly (with in 100 words each) The college conducts internal and external financial audits regularly. Every year the Accounts are audited by Professional Auditors. The two internal auditors are: (1) Murarka Associates, 691 Rajdanga Main road, Kolkata700107 (2) R. K. Basu, 42/54 New Ballygunge Road, Kolkata-700084. The External Auditor is C.A. appointed by the Government of West Bengal.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
|--|-------------------------------|------------------------|
| Philanthropers contribution | 25000 | Students encouragement |

[View File](#)

6.4.3 – Total corpus fund generated

81096182.00

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|----------------|----------|--------|----------|----------------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | No | NIL | Yes | IQAC |
| Administrative | No | NIL | Yes | GOVERNING BODY |

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

- Parent/Guardian-Teacher meetings are conducted in most departments.
- Communication of results to parents/guardians.
- Mechanism to obtain feedback from parents being initiated.

6.5.3 – Development programmes for support staff (at least three)

- Development programmes for support staff (at least three)
- Technical training programmes for staff
- Social awareness campaigns
- Medical camp

6.5.4 – Post Accreditation initiative(s) (mention at least three)

- Applying successfully for DST-FIST and RUSA 2.0 grants
- Proposal for setting up a research centre facility forwarded to concerned authorities for approval and initiation.
- Placement cell strengthened to initiate more activities.
- Library facilities have been enhanced and online library system initiated.

6.5.5 – Internal Quality Assurance System Details

| | |
|--|-----|
| a) Submission of Data for AISHE portal | Yes |
| b) Participation in NIRF | No |
| c) ISO certification | No |
| d) NBA or any other quality audit | No |

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|---------------------------|--|-------------------------|---------------|-------------|------------------------|
| 2020 | State-level webinar titled "Dwis hatatamo Jan mojayantite Vidyasagar Smaran" | 24/07/2020 | 24/07/2020 | 24/07/2020 | 70 |
| View File | | | | | |

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme | Period from | Period To | Number of Participants | |
|------------------------|-------------|------------|------------------------|------|
| | | | Female | Male |
| ICC Seminar, | 22/11/2019 | 22/11/2019 | 72 | 23 |

Sexual
Harassment:
Concept,
Trajectories
Remittance

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

1. The College with financial assistance from the Govt. of West Bengal has implemented Grid-connected solar photovoltaic system on the roof of the main building. A set of 75 photovoltaic panels each capable of harvesting Maximum Power (Pmax) - 250 Wp with an overall 18.75 kWp (maximum capacity) and 10kW (average) nonconventional energy harvesting unit has been installed. The green energy generated by the system is transferred to the grid and thus our college actively contributes in green energy generation. 2. The College continues to maintain solar panels on the roof tops of the buildings in the main campus and the energy generated is being used to run small instruments in the laboratories as well as for partial lighting of the campus. Approximately 4 of total electricity consumption is generated from solar energy. 3. Use of solar energy in place of conventional power sources has also been initiated at the Bhasa campus by setting up a solar energy harvesting for on-campus streetlighting. It has been developed and maintained by faculty members of the college. 4. Vinyl stickers have been put up in all the campuses for promoting awareness against pollution, wastage of water and electricity. 5. the college has also implemented a project for rainwater harvesting at the Bhasa campus where it is running successfully. The filtered rain water is used for dish-washing, and cleaning corridors and washrooms. 6. There is no open space in the main campus to maintain greenery but we are maintaining potted plants in the staircases and corridors utilizing the limited space that is available. The Centenary Building too has potted plants on the premises and we maintain them continuously. A small garden is maintained in the ACTC building. In the Bhasa campus 500 saplings have been planted with the help of the college NCC unit.

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|---|--------|-------------------------|
| Physical facilities | Yes | 24 |
| Provision for lift | Yes | 24 |
| Ramp/Rails | Yes | 24 |
| Braille Software/facilities | Yes | 4 |
| Rest Rooms | Yes | 24 |
| Scribes for examination | Yes | 4 |
| Special skill development for differently abled students | No | Nil |
| Any other similar facility | No | Nil |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address | Number of initiatives taken to | Date | Duration | Name of initiative | Issues addressed | Number of participating students |
|------|--|--------------------------------------|------|----------|-----------------------|---------------------|--|
|------|--|--------------------------------------|------|----------|-----------------------|---------------------|--|

| | locational advantages and disadvantages | engage with and contribute to local community | | | | | and staff |
|------|---|---|------------|---|---|---|-----------|
| 2020 | 1 | 1 | 23/04/2020 | 1 | Pandemic Awareness Campaign : Over digital platform, | Pandemic Awareness | 577 |
| 2020 | 1 | 1 | 30/04/2020 | 1 | Special Lecture on " The Nature of Social Influence in handling crises during a Pandemic" | Pandemic awareness | 756 |
| 2020 | 1 | 1 | 29/06/2020 | 1 | Special Lecture on " Revelation in a Post-Apocalyptic World 2020: Lockdown Stress relievers- A Focus on Emotional Health" | Lockdown Stress relieving seminar | 742 |
| 2019 | 1 | 1 | 18/04/2019 | 1 | Social Responsibility, Awareness Campaign: Say No to Drugs | Social awareness campaign against drugs | 85 |
| 2019 | 1 | 1 | 25/09/2019 | 1 | Science Camp, Diversity, Breeding and Maintenance of Ornamental Fish with hands on experimen | Breeding and Maintenance of Ornamental Fish | 152 |

| | | | | | | | |
|------|---|---|------------|---|--|-------------------------|-----|
| | | | | | t for school students involving neighbouring schools, supported by Dept. of Higher Education, Science and Technology and Biotechnology, Govt. of West Bengal | | |
| 2020 | 1 | 1 | 19/02/2020 | 1 | Special Lecture on Cancer entitled "My Encounter with Cancer: An Unfinished Story" | Cancer awareness | 122 |
| 2020 | 1 | 1 | 25/02/2020 | 1 | Special Lecture on Knowledge of Natural Energy Resource [Bhuvismam vad] by Geological Survey of India, | Natural Energy Resource | 118 |
| 2020 | 1 | 1 | 28/02/2020 | 1 | Blood Donation Camp | Local scarcity of blood | 87 |

[View File](#)

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

| Title | Date of publication | Follow up(max 100 words) |
|--|---------------------|--|
| Universal values and professional ethics | 14/01/2020 | Asutosh College always examines situations from humanitarian standpoint. It does, however, follow professional guidelines and ethics. Based on our |

sense of values we try hard to keep our values intact. As all values are not equal in importance or weight, the most crucial one must be satisfied. We prioritize the values that enhance the well-being of humanity. Asutosh College has long been practicing sensitivity and fellow feelings. We encourage heart to heart cooperation, emotional intelligence and joyfulness in professional arena.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|---|---------------|-------------|------------------------|
| Student Activity on Role play on building resilience | 05/10/2019 | 05/10/2019 | 73 |
| A visit to Antaragram Psychiatric Hospital | 05/10/2019 | 05/10/2019 | 82 |
| Seminar on Self Esteem Enhancement Skills | 04/11/2019 | 04/11/2019 | 182 |
| Student Research on Rape : A Cry For Help: A Secondary Data Analysis : Published on the Wall Magazine | 23/12/2019 | 23/12/2019 | 84 |
| Workshop on Human Values and Professional Ethics | 14/01/2020 | 14/01/2020 | 52 |

[View File](#)

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. The College has set up solar panels on the roof tops of the buildings in the main campus and the energy generated is being transferred to the local supply grid, used to run small instruments in the laboratories as well as for partial lighting of the campus. 2. 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 for street lighting, developed and maintained by faculty members of the college. 3. College has implemented a project for Rain Water Harvesting. A Rain Water Harvesting unit is maintained at the Bhasa second campus. 4. Due to scarcity of open space in the main campus to maintain greenery but we are maintaining 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. In the Bhasa

campus 500 saplings have been planted with the help of NCC units 5. All toxic and hazardous chemicals used in different laboratories 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.

Microbial culture used for practical classes are heat-killed through autoclaving by teachers and laboratory staff before dispersal. 6. The College has taken all possible measures to reduce the emission of carbon dioxide through the following actions: 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 or LEDs. Air conditioners and other cooling machines are properly maintained so that emission levels are minimized. Generators installed are of low carbon-emitting make. 7. The College administration has taken initiative to develop Second Campus of Asutosh College at Bhasa as a GREEN CAMPUS The initiatives taken for the Bhasa Green Campus include: Solar Energy Harvesting unit and use for street lighting, Biogas Unit, Rain water Harvesting Unit, Medicinal Plant Garden and Aquaculture Unit. 8. Awareness against pollution, wastage of water and electricity is encouraged by using Vinyl stickers at all campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

OBJECTIVES Asutosh College has a long history of providing quality education and training, not only through conducting the Degree courses of the University of Calcutta, but also in imparting job-oriented training. In this pursuit the college had established the Asutosh College Training Centre in 1991, the Platinum Jubilee year of the institution. Various disciplines in this centre have helped innumerable students who have succeeded 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 purpose of initiating the B. Voc. courses was to attract students who needed to seek early employment to meet the financial demands of their families and realise their own ambitions. It also had the added benefit of opening up self-employment opportunities. **THE CONTEXT** In concordance with the University Grants Commission proposal of 2014 inviting colleges to develop career-oriented courses under the Community College scheme and B.Voc. system, the college authorities framed project reports required for applying for Community College affiliation and introduction of the B.Voc. curriculum. The courses applied for were • Mobile Communication and Software Development under Community College system • 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 on time. Both proposals were accepted by the UGC after an interface meeting, enabling the college to move forward in initiating the curricula as soon as the grant-in-aid was received. Asutosh College thus became the first college and only college under the auspices of the University of Calcutta to start such courses. In the academic session of 2014 itself the academic activities of these courses commenced in the sprawling second campus at Bhasa, South 24 Parganas. **TITLE OF THE PRACTICE: MOBILE COMMUNICATION AND SOFTWARE DEVELOPMENT** The course was designed in consultation with the experts in the relevant sector of the industry. Industrial groups were approached 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 the effort. The University also endorsed the course designed without any modification and

agreed to start a B.Voc. course under its umbrella. EVIDENCES OF SUCCESS The classes are held regularly in the newly-built classrooms in the second campus.

Active support for teaching these courses from specialists deputed by the Industry partners has been the mainstay of this endeavour, meant chiefly to

cater to the needs of the suburban fringes of the metropolis. Basic laboratories as required have been set up. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED The course is designed to run with active partnership from industry. This is a new way of teaching-learning and so quite expectedly some lacunae are there in the process of communicating with the industry. o The institute-industry relationship requires continuous nurturing and monitoring, as well as identifying communication gaps and trying to fill them up for the smooth running and betterment of the teaching-learning system remains an area of concern. o We have already developed the basic laboratories to meet the minimum requirement of teaching-learning. But the constant change and upgrading of technologies demand more sophisticated laboratories that can adapt the modifications in technologies into the training. o There is also the need of a workshop of our own. This requires more funding which is currently unavailable with us. Stagnation is therefore, a real threat. If such constantly changing laboratories are unavailable then there is a possibility that with time, the courses may lose their relevance. The course contents also need regular revision to include the continuous changes in the technology. ? TITLE OF THE

PRACTICE: AQUACULTURE AND INTEGRATED FARMING PROJECT FOR SUSTAINABLE

DEVELOPMENT OBJECTIVES The chief objectives of the project were • To present it as a model to the students of Fisheries Science. • To generate revenue for the college by optimum utilization of resources: selling of fish reared in the pond. • To augment the aquaculture production. • To increase the agricultural production from the land holding. • To keep the pond banks clean and stable through the cultivation of agricultural crops throughout the year. • To augment food supplies for hostel students by utilising the vegetables cultivated on the land and collecting duck eggs for consumption. • To cultivate several varieties of winter and summer vegetables. THE CONTEXT Aquaculture and Integrated Farming is a multidisciplinary approach to agriculture where along with fish culture, rearing of livestock or cultivation of crops is practised. Integrated Farming System (IFS) is an interdependent, interrelated often interlocking production system based on few crops, animals and related subsidiary enterprises in such a way that maximize the utilization of nutrients of each system and minimize the negative effects of these enterprises on the environment. This

multidisciplinary approach to agriculture has revolutionised fish farming, especially for those with a small land holding that includes a waterbody.

Earlier, fish culture limited to only a pond gave a small return. The integrated approach has enabled the fisherman to increase not only the aquaculture production from such small landholdings in terms of fish but also production from the livestock and other vegetable crops, thus enabling the farmer/fisherman to earn more money from a single unit. The Project started under the leadership of Dr. Dipak Kumar Kar, Principal of the College from 2009. THE PRACTICE The basic practice and principles of IFS are dependent on the following parameters: • Productivity: one of the main benefits of IFS is to increase the yield of different components in terms of per unit area or per unit of cost involved. • Profitability: Utilising the by-products of each activity component as raw material for other components, helps reduce cost of cultivation/maintenance as well as enhances soil fertility for sustainable production, leading to a higher BC ratio through managing waste of by-products. Thus, there is a full utilization of investment. • Sustainability: With respect to long-term aspects, the linking of different components acts as an organic supplementary through effective utilization of available resources, providing an opportunity to regain potentiality of production. • Environmental Safety: Effectively recycling the waste material of one as the raw material for others through IFS models helps minimize environment pollution. • Recycling: Effective

recycling of waste material (crop residues and livestock wastes) helps to make a farm self-sufficient in terms of avoiding outside inputs - fertilizers, agrochemicals, feeds, energy, etc. • Employment Generation: Provides scope for employing family labour round the year. Combining different enterprises increases the labour requirement significantly and helps in reducing the problems of underemployment to a great extent. • Increased input efficiency is another important aspect of IFS. EVIDENCES OF SUCCESS The fish pond at Asutosh College Second Campus at Bhasa is a practical model of integrated fish culture with duck culture and cultivation of agricultural crops. The pond measures about 7.5 bigha in area. Initially, the pond was not created for fish culture but created for earth filling of adjacent low lands by the sellers of the land. Hence, the pond cannot be considered as a true fish culture pond. (from fisheries point of view) due to its great depth. In spite of these shortcomings, the fish culture operation along with crop cultivation, and duck culture are successfully going on. Fish culture is carried out on the basis multiple stocking and multiple harvesting methods. Fingerlings of Indian and exotic major carps are released in the pond after harvesting. An extensive method of fish culture is being practised here. Ducks are simultaneously reared with low expenditure as a lot of feed for the ducks is obtained from the pond. Different crops are grown on the pond banks depending upon the season. The ultimate objective of this practice is to maximize the yield of all component enterprises to provide steady and stable income along with the rejuvenation of systems productivity.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://asutoshcollege.in/new-web/pdf/AQAR-Supporting-Documents/2019-2020/7.2.1/AQAR%207.2.1.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

A distinctive feature of our institution is Sparsha, the Asutosh College Retired Teachers' Wellness and Well-being Cell, a unit of the Tea Club, itself a unique feature of the college which was established in the late 1980s to facilitate informal interaction between teachers over a cuppa and light refreshments in a relaxed atmosphere in the Professors' Room. The Tea Club Annual get-together, organised every year on 24 December, is a much-awaited annual event when former teachers reunite with current teachers for an informal cultural programme and lunch. Teachers are the architects of society and its well-being since on them lies the responsibility of moulding the youth, not only as successful academicians, researchers, or professionals but also as good, sensitive human beings with leadership capabilities. It does not mean that the deep bond that teachers share with the institution must be severed upon their retirement from service. In fact, it ought to be nurtured even more after that. With this aim of reaching out to our retired colleagues in their times of need, the Tea Club formed a dedicated cell, Sparsha, the Asutosh College Retired Teachers' Wellness and Well-being Cell in 2017. A dedicated team from the unit maintains year-round contact with retired teachers, enquiring after their needs, especially medical ones, making arrangements accordingly. Some of the initiatives launched in this regard are: • Annual medical check-up • Enquiring after their well-being through telephone • Home delivery of essential medicines at a discounted rate • Home delivery of essential supplies during the lockdown because of the pandemic.

Provide the weblink of the institution

<https://asutoshcollege.in/new-web/pdf/AQAR-Supporting->

8.Future Plans of Actions for Next Academic Year

The college has taken the following plans of action for the next academic year:

1. The website of the college will be restructured to get into a complete MIS system in a course for two years' time. The entire administrative system, accounting processes, library operations should be automated within this time frame. A new user-friendly look to be given to the college website.
2. The teaching-learning process during the pandemic initially was disorganized. However, almost in no time the teachers started taking classes in online mode. But this led to usage of different platforms by different teachers, which was a problem for the students to run too many apps in their mobile and computing devices. Many such app consume much internet data, so this was also a problem to economically weak students as well as students residing in remote areas. In this situation the college administration decided to use, for the next academic session, a single online platform for all classes. Seminars, special lectures etc. in which the teachers can access through their institutional email-ids which are to be allotted to the teachers in due time. This plan is for narrowing the digital divide among students of different economic strata as well as to use the online mode to the fullest to overcome the difficulties in teaching and learning in the abnormal situation during the pandemic.