



ASUTOSH COLLEGE

92, S.P.MUKHERJEE ROAD, KOLKATA - 26
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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Lifestyle Management

Introduced in Session 2023-2024

**Conducted By the Department
Psychology**



Course Attraction:

- Have a clear understanding of the fundamental concepts of the domain of Psychology along with its practical implications.
- Have a better perspective of perceiving oneself as well as the other institutions of the society at large from the standpoint of Community Psychology. One shall be able to understand, analyse & plan interventions aimed at the different stakeholders of the society at large.
- Have a thorough grasp of the facets of counselling and its nuances. This will enable one to be better in terms of managing their interpersonal relationships in their personal life and at their workplace. The segment on special counselling shall empower one to be better with diversity management, both at the personal as well as the professional level.
- At the finest level this course will empower one to understand oneself the best, make amends of ones' behavioural manifestations, understand the significance of mindful living practices (at home & even at work). It would also teach one the relevance of how music acts as one of the most crucial ways of contributing positively to mental health outcomes.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Make And Manage Your Home Aquarium

Introduced in Session 2023-2024

**Conducted By the Department
Industrial Fish & Fisheries**



Course Attraction:

- The courses are totally skill based with practical importance and designed in such a manner so that participant can raise their interest in this two most important emerging techniques of livelihood generation.
- Rapidly growing industry will need an increasing number of trained and educated individuals to fill job like Aqua-farming Technician, Specialize in fish health.
- A perfectly designed course can conclude a trainee with proper scientifically knowledge of aquarium and aquaponics system management which will help them to opt a different professional skill.
- A technologically sound people can only learn the proper way for setting of an aquarium by making a natural environment but in artificial perspective.
- Aquaponics allows us to grow more food at home, for our communities. This means more nutrition since it's fresh and much less of all the negatives inputs like chemical pesticides with long distance transportation.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Scientific Paper Writing Tools

Introduced in Session 2023-2024

Conducted By the Department
Physics



Course Attraction:

- To learn in preparing a scientific article, book or a thesis, a professional CV for academia or industry, writing an official letter, preparing a homework assignment, making a calendar, demonstrating a poster in a conference or presenting your work to your peers for career advancement.
- To get motivated in learning regional form of LaTeX, e.g. BangTeX in Bengali, as suits your need.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Career Oriented Mathematics and Statistics

Introduced in Session 2023-2024

**Conducted By the Departments
Mathematics and Statistics**



Course Attraction:

- Professional course content and quality teaching.
- Basic knowledge of Mathematics and knowledge regarding the collection, organization, presentation, analysis and interpretation of numerical data

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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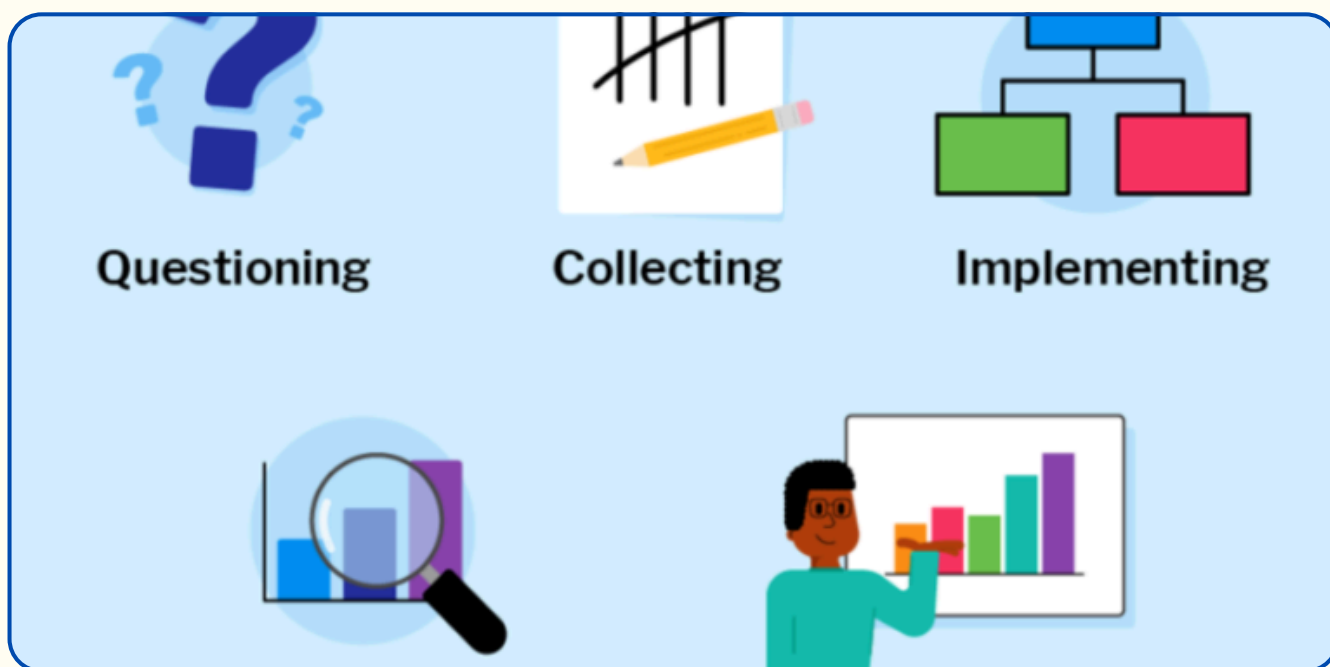
SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Basic Data Handling Technique

Introduced in Session 2023-2024

Conducted By the Department
Economics



Course Attraction:

- Have a clear understanding of the fundamental concepts of data management.
- Have a better understanding of different methods of data collection and documentation.
- Use MS Excel as a tool of introductory data analysis.
- Can better represent their data in different formats.
- Have a primary idea of basic descriptive statistics for data analysis.

Nature of Course: Multi-disciplinary
Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Content Writing Introduction

Introduced in Session 2023-2024

Conducted By the Departments
Bengali and English



Course Attraction:

- The basic concepts of content writing and content development.
- The knowledge of various styles and techniques of writing and editing.
- The polished creative and critical faculties.
- The increased employability opportunities.

Nature of Course: Multi-disciplinary
Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Indian Knowledge System

Introduced in Session 2023-2024

Conducted By the Departments
Sanskrit and Philosophy



Course Attraction:

- Students will understand and appreciate the rich heritage that resides in our traditions.
- Inculcate an understanding of the mind or voice dynamic and its function in Indian knowledge systems.
- Learn to appreciate the need and importance of Sanskrit in getting to the roots of the philosophical concepts.
- Being primed for practices that will prepare one for the inner-journey to discover the self.

Nature of Course: Multi-disciplinary
Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Python Programming

Introduced in Session 2023-2024

**Conducted By the Departments
Computer Science and Physics**



Course Attraction:

- It helps the students to get knowledge on using the computer for basic python programming which is now required for technical job.
- It helps the students to aware about modern methods of information processing and its applications.
- It helps the students to develop the programming techniques and the problem solving skills through programming.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Geology for Everyone

Introduced in Session 2023-2024

Conducted By the Department
Geology



Course Attraction:

- This course provides the fundamental concepts needed for more advanced courses in geology and related disciplines, building a solid academic foundation.
- Encourages students to analyze data, interpret geological phenomena, and solve practical problems, enhancing their critical thinking abilities.
- Understanding geological processes helps students comprehend natural hazards, resource management, and environmental conservation efforts, fostering informed engagement in societal issues.
- The course can illustrate how geological principles apply to everyday life, including natural resource management, hazard assessment, and environmental conservation.
- This coursework can help students from all streams in preparing for competitive examinations.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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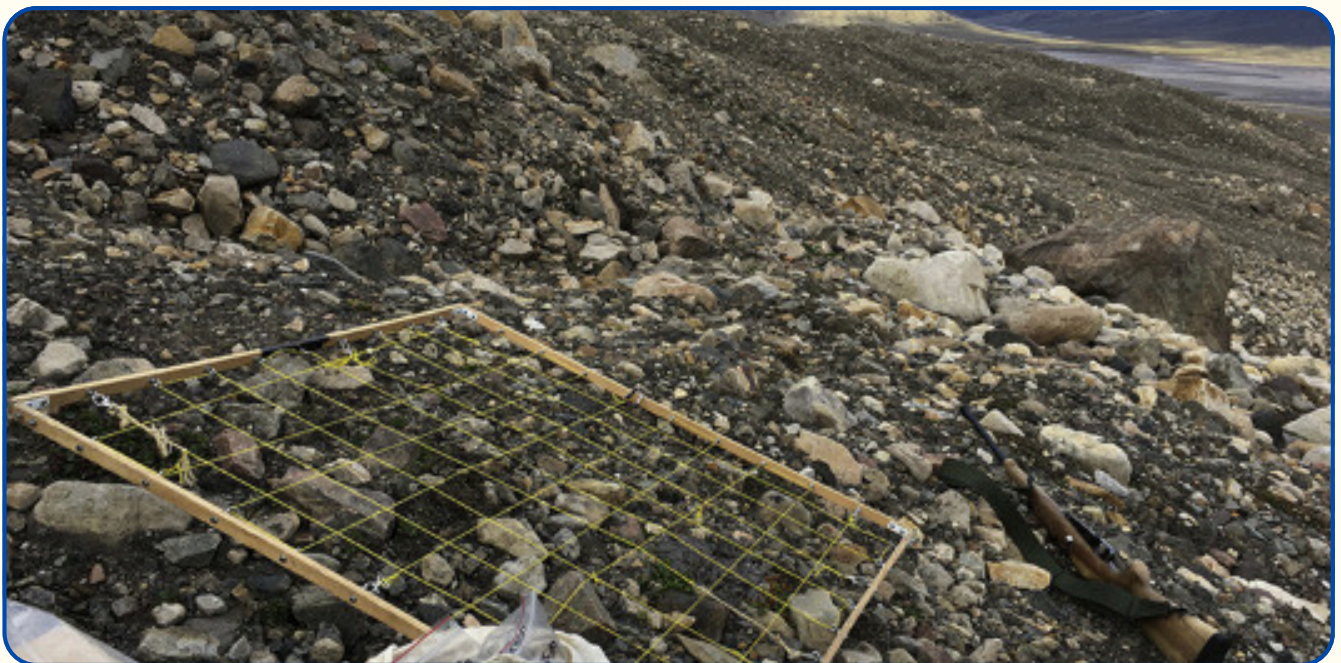
SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Field Techniques And Methodology in Physical Geography

Introduced in Session 2023-2024

**Conducted By the Department
Geography**



Course Attraction:

- The course may provide the scope for a student to learn the field methodology through hands on training.
- Not only collection of data through different instruments but the course may enhance the scientific analysis skill through the application of statistics and Geomatics.
- It provides the skill to a student to involve himself or herself in multidisciplinary research activities.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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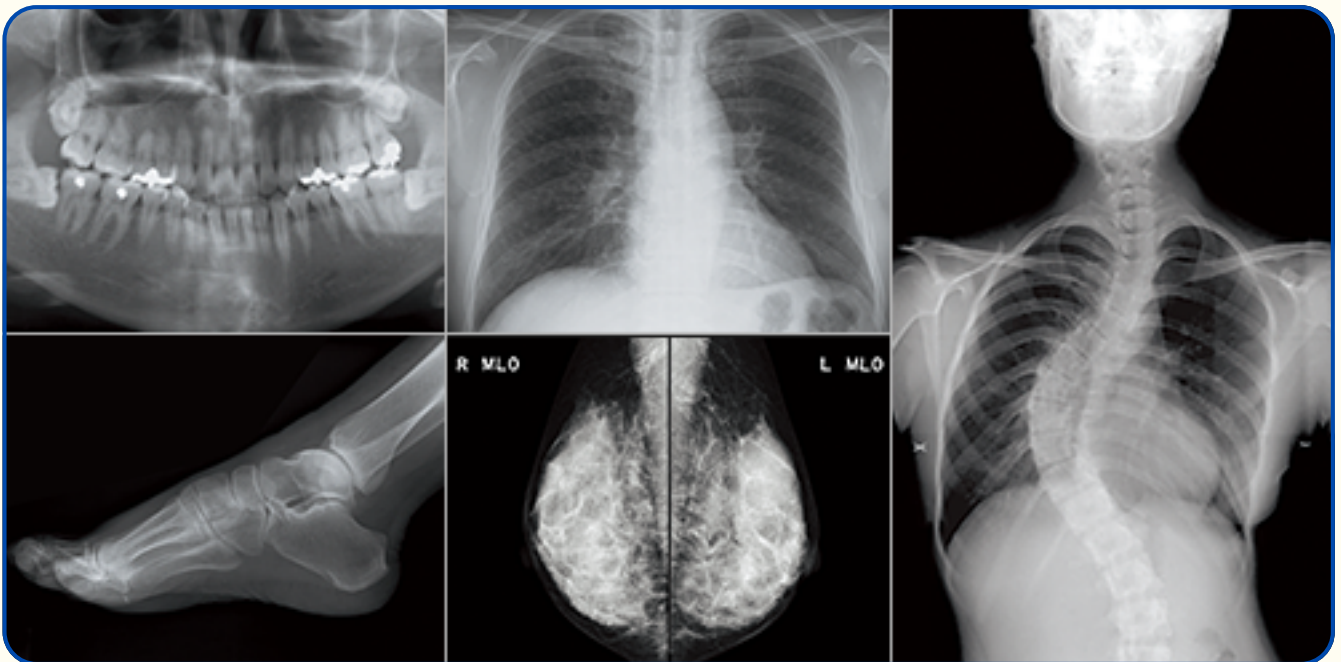
SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Introduction To Radiology And Clinical Pathology In Medical Diagnostics

Introduced in Session 2023-2024

Conducted By the Department
Bio-Chemistry



Course Attraction:

- Understand the basic concepts of radiology and clinical pathology.
- Evaluation of pathophysiological changes in system disorders.
- Assist for various pathological tests conducted in the clinical field.
- Idea about the radiological techniques and working principles in radiology in different diseases.

Nature of Course: Multi-disciplinary
Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Arduino for Basic Applications in Robotics

Introduced in Session 2023-2024

**Conducted By the Department
Electronics**



Course Attraction:

- Get basic knowledge on Arduino and its applications.
- Able to make different kinds of electronics project as hobby, using arduino.
- Preliminary understanding of modern applications and technologies of physics, electronics and computer science.
- Get basic and preliminary ideas of Arduino programming and its application in modern field like Robotics.
- Learn basic guidance to face different job interviews at the end of the course.

**Nature of Course: Multi-disciplinary
Course Duration: 6 Months**

Course Fee: 999/-



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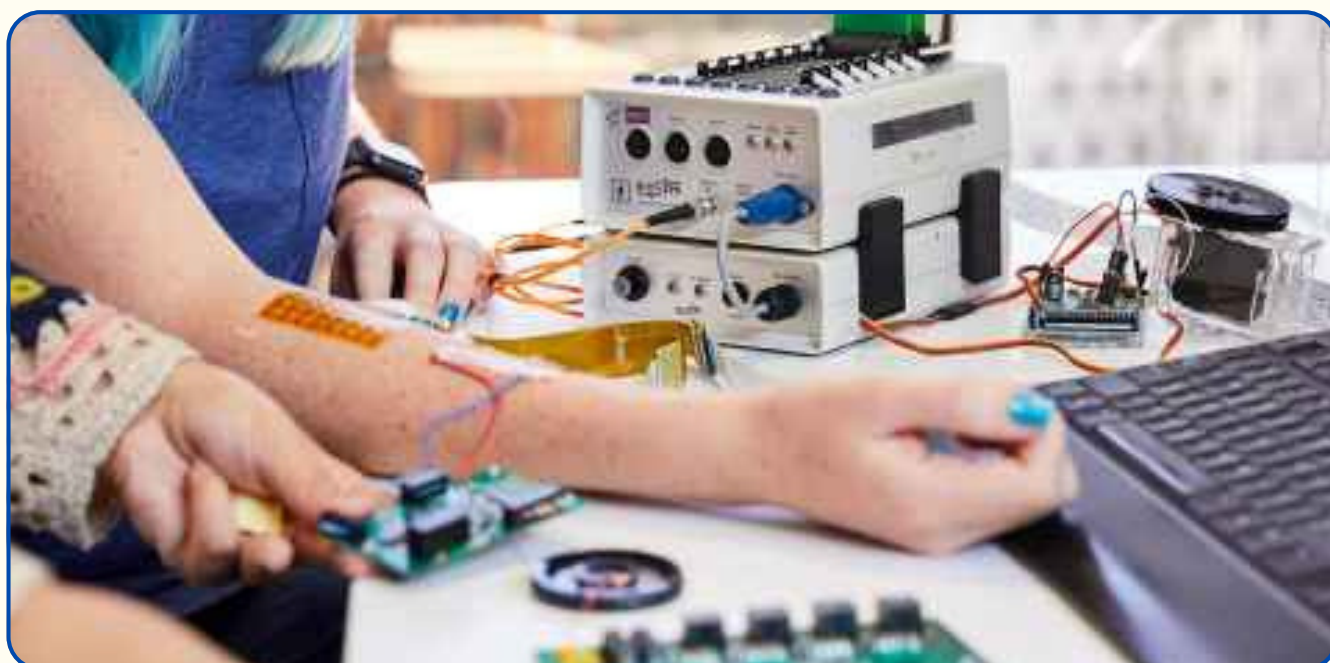
SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Bioinstrumentation Science

Introduced in Session 2023-2024

**Conducted By the Department
Microbiology**



Course Attraction:

- Students will learn how to monitor different biochemical and biophysical processes.
- They will be enriched with the knowledge about handling of various common laboratory instruments used to monitor different biological and biochemical processes.
- Students can gather information about the use of different biomedical instruments along with their applications.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Institutional Communication & Public Speaking

Introduced in Session 2021-2022

**Conducted By the Department
Journalism & Mass Communication**



Course Attraction:

- Developing communication skills that can help a student in his/her professional life to social life.
- Developing the concept of language, speech and presentation.
- Students will gain experience in interpersonal, group, and public communication.
- Students will develop strategies for overcoming speech anxiety.
- Students will practice delivery of professional and personal speeches using visual-aides where appropriate to enhance presentation.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Travel and Tourism

Introduced in Session 2021-2022

**Conducted By the Department
History**



Course Attraction:

- This is a multidisciplinary career oriented course. It has been designed to ensure rewarding employment for students. It provides a perfect gate way to look beyond the conventional syllabus and gain valuable skills in the process.
- In the present scenario tourism is the fastest growing industry and creating opportunities in the areas of employment. Students will have gainful career scope.
- The course would train students in developing communication skill, project management, cross cultural awareness. This would be useful for developing public communication.
- As a student you would be trained about sustainable tourism and how you can mitigate the negative impacts of travel on the environment. You will have an idea how to contribute through creation of jobs with fair wages and environment protection.
- Last but not the least the career in tourism offers so much fun. Travelling is the gateway to understand not only ourselves but the world we live in.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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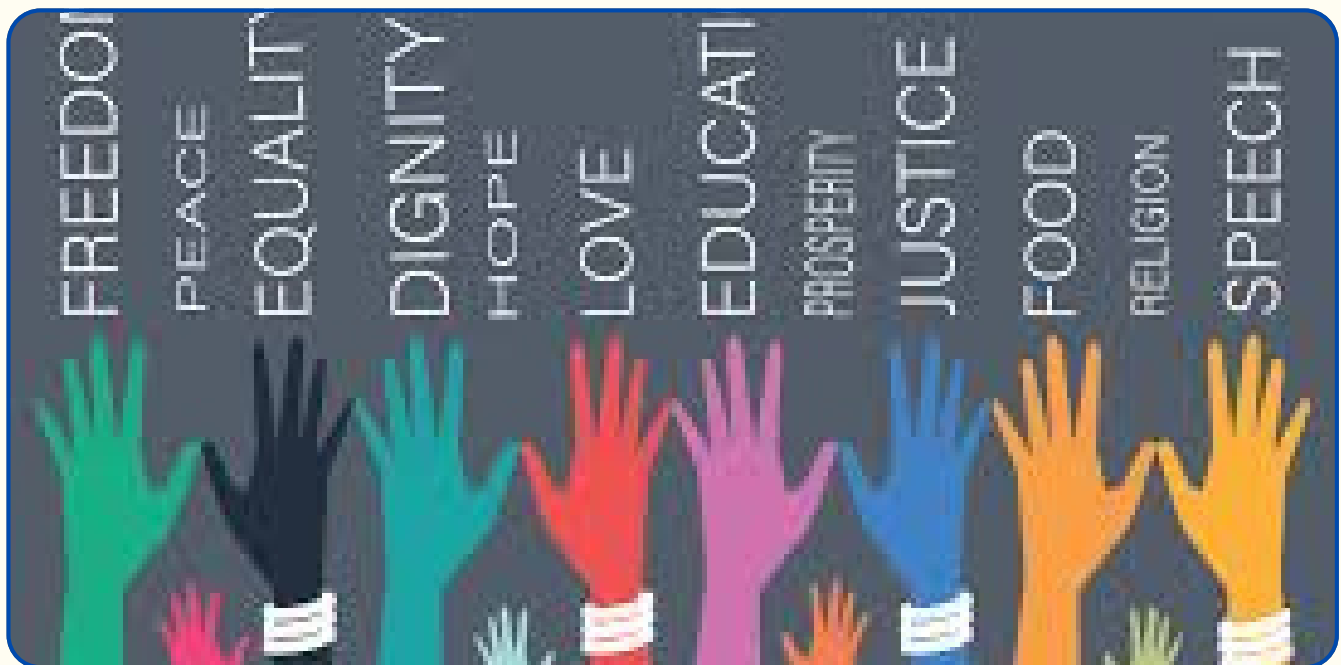
SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Human Rights

Introduced in Session 2021-2022

**Conducted By the Departments
Philosophy and Political Science**



Course Attraction:

Human Rights education offers exciting career options as the course covers a variety of topics. Those, who wish to make positive change in the world by advocating for people's rights and freedom, can choose this certificate course. Human Rights professionals can find work in NGOs, governmental social work organisations, law firms and even international social service organisations. This course is a right choice for students who want to specialise in research and data analysis in Human Rights or social work. Beyond making an impact in the world Human Rights education also provides an opportunity to engage at local and individual level. For those interested in investing in their local communities and bettering the people around them, human rights studies may be a good place for them to start.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Social Entrepreneurship & Social Work

Introduced in Session 2021-2022

**Conducted By the Department
Sociology**



Course Attraction:

- The education sector is undergoing a rapid metamorphosis owing to global technological and social changes. The demand for employable graduates is rising with every passing day. This certificate course aims to bridge the gap between education and industry and offers an outside perspective to the students.
- The certificate of this course will add professional value to the CV and acquaint the students with various professional opportunities outside of academia as social sector is one of the booming sectors of the economy and is ripe with varied job prospects.
- The incubation session of the course will boost students to start their own social entrepreneurship ventures and give back to the society. The governments at both centre and state have always put added emphasis on the idea of entrepreneurship and self-reliance.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Entrepreneurial Management

Introduced in Session 2021-2022

**Conducted By the Department
BBA**



Course Attraction:

- To cultivate unique skills and think outside the box.
- To create opportunity, instill confidence, ensure social justice and stimulate our economy.
- To provide students an in-depth understanding of the process of developing and running a business along with legal and ethical issues of business ownership.
- To facilitate the improvement of various qualities that are essential for ensuring business successes, such as, leadership and innovation.
- To focus on the importance of Marketing, Finance and Human Resource Management and Basic IT infrastructure needed in order to develop sound managerial decisions in respect to own enterprise.
- To make the students prepared to start their own enterprise after completion of the course.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:
Herbal Plant

Introduced in Session 2021-2022

**Conducted By the Department
Botany**



Course Attraction:

- The fundamental principal of herbal plants in making several outcome is a very interesting chapter to be realized in daily life and capable of making professions of common people.
- The scope of this course will subsidize different sections related to herbal plants starting from their identification to utility.
- The unique objective will train the candidates developing true concept on medicinal plants, their built treasure for the sustenance of the quality life of man kind and also to save plants from extinction.
- This course is intended to train up a student for applying the knowledge in practical field such as for starting any entrepreneurship in this area as well as marketing of herbal products which are of high demand to the people now-a-days.

Nature of Course: Multi-disciplinary
Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name: Apiculture and Sericulture

Introduced in Session 2021-2022

Conducted By the Department
Zoology



Course Attraction:

- Simple and easy design suitable for students of all discipline.
- This course covers all the necessary theoretical backgrounds.
- Encourage self-self-employment and entrepreneurship.
- Promote community and youth development.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Bioinformatics and Computational Biology

Introduced in Session 2021-2022

Conducted By the Department
Microbiology



Course Attraction:

- A unique opportunity to learn and apply Bioinformatics.
- Aimed to boost logical thinking and develop/improve analytical, numerical as well as coding skills.
- Foundation knowledge and concept building in an advanced interface of Computer Science and Modern Biology.
- Adequate coverage of relevant advances across disciplines.
- Open to a wide spectrum of students (not alone restricted to bio-only students).
- Includes necessary recapitulation to commence from a common conceptual platform for all participants.
- Offers peripheral flexibility in the choice of its advanced topics (optional papers).
- Enjoyable interactive classroom participation.
- Direct first-hand experience in developing algorithms and coding.
- Coding for your own algorithm. The first touch of developing softwares.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Wildlife Conservation

Introduced in Session 2021-2022

**Conducted By the Department
Environmental Science**



Course Attraction:

- This course will provide a wholesome and professional understanding about the Indian wildlife and its conservation scenario to the young participants.
- Students will learn about the various contemporary aspects of wildlife monitoring including application of modern and emerging tools and techniques related to this.
- Participants will be motivated to work with proper skill and will get a platform to establish themselves in the field of wildlife conservation.
- A separate segment on wildlife photography will enhance their recreational sides along with academic vision.
- This course will definitely provide an avenue to build a career in the field of wildlife conservation both in academic and non-academic sector.
- Finally, it will produce a strong, skilled, knowledgeable youth force who can serve as a defender of wildlife by all possible ways in recent and future days.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Industrial Chemistry

Introduced in Session 2021-2022

Conducted By the Department
Chemistry



Course Attraction:

- Globalisation of education and economy has led to reorient and reshape its policies and programmes to make the current Indian Higher Education System more relevant and career-oriented with focus on quality and excellence.
- Demand and scope for graduates having certificate course are visible in the applied fields of almost all basic/core disciplines
- To meet this challenge, Asutosh College would like to encourage incorporation of value added, certificate courses to be opted by students as a parallel sub-discipline while pursuing their degree level education.
- Our daily need is industry based. We cannot move a single step without the chemistry and industry.
- We need food which is based on Agricultural industry. We need shelter which is based on industry. What we use for 24 hours each day are coming from industry. So we must have knowledge about industrial chemistry.
- It is envisaged that professionally qualified graduates with a sound knowledge and expertise in the discipline, Industrial Chemistry will have more openings in service, industry and self-employment sectors.

Nature of Course: Multi-disciplinary

Course Duration: 6 Months

Course Fee: 999/-



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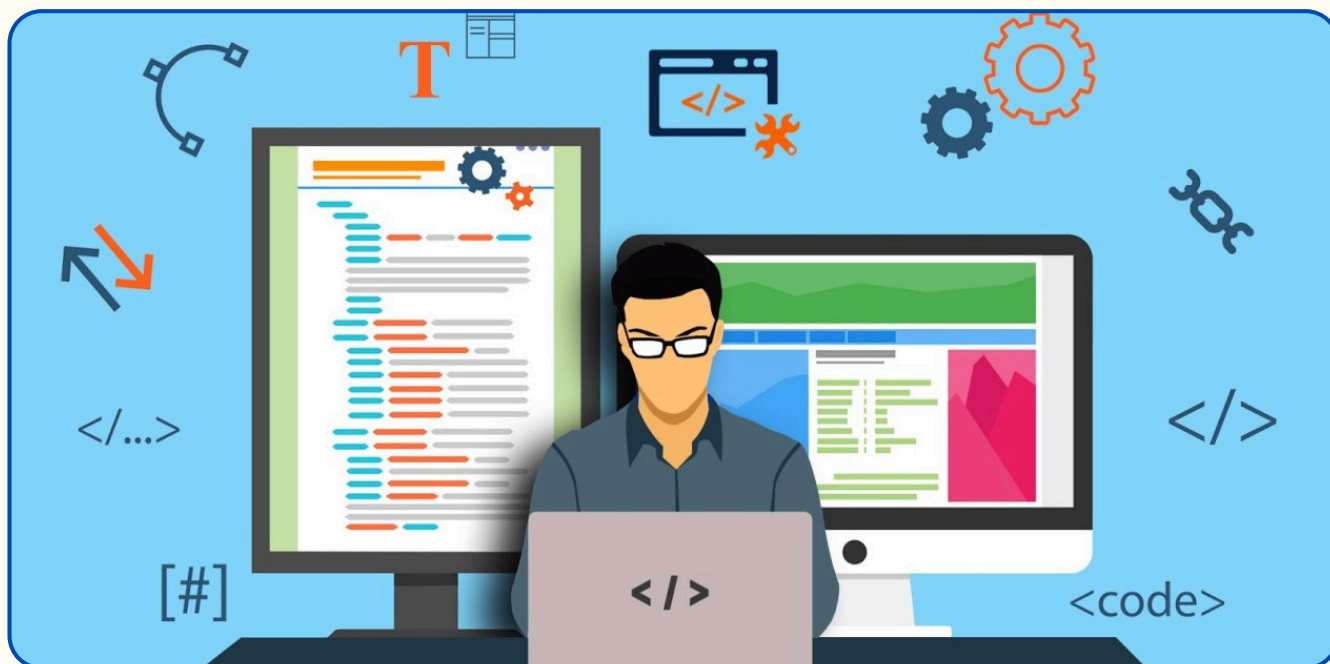
SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Basic Computer Course and Web Designing

Introduced in Session 2019-2020

Conducted By the Computer Center



Course Attraction:

- It helps the students to get knowledge on using the computer for basic purposes which is now required for any kind of job.
- It helps the students to aware about modern methods of information processing and its applications.
- It helps the students to develop the programming techniques and the problem solving skills through programming.

**Nature of Course: Multi-disciplinary
Course Duration: 6 Months**

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Soft Skills and Communication Development Course

Introduced in Session 2019-2020

Conducted By the Department
Communicative English



Course Attraction:

- Improve the listening and speaking competence of the learners.
- Build the confidence of the learners to face job interviews and take part in group discussions.
- Train the learners in interpersonal skills and business etiquettes.
- Build teamwork and leadership skills of the learners.
- Train the learners to effectively manage time and boost productivity
- Help the learners maintain a positive outlook using techniques of stress reduction and management.

Nature of Course: Multi-disciplinary
Course Duration: 6 Months

Course Fee: 999/-



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SKILL-ORIENTED CERTIFICATE COURSE

Course Name:

Career Counselling and Training Programme

Introduced in Session 2019-2020

Conducted By the Career Counselling Unit



Course Attraction:

- Core subject wise dedicated Career Counselling.
- Information about careers in related subjects.
- Practical guidance about preparation for Interview.
- Guidance for application & CV writing.
- Aptitude Test for self assessment.

Nature of Course: Multi-disciplinary
Course Duration: 6 Months

Course Fee: 999/-