

2.6.1. Programme Specific Outcome (PSOs)

University has 14 teaching schools, One UIET along with one satellite campus at Amethi, and Community college.

School of Life Sciences consists two Departments: Zoology & biotechnology

Zoology :The Programme offers employment opportunities as zoo Keepers, Managers, Scientists and Technical officers, Wildlife Scientist, Scientists in Zoological survey of India and other govt. bodies, curators, entrepreneurs, Taxonomists

Biotechnology:

1. Acquire knowledge on the basics of sound and solid base biotechnology which enables them to understand the emerging and advanced concepts of engineering in life sciences.
2. Acquire knowledge in the biotechnology domain that enables their applications in industry and research.
3. Enabling the students to acquire technical know-how by linking biotechnology, disciplinary and interdisciplinary aspects.
4. Recognize the importance of bioethics, IPR, entrepreneurship, communication to bring India industrialists to the next generation

School of Information Science & Technology

The School consists of three departments Computer Science, Information Technology & Library & Information Science

Library & Information Science

After the completion of this programme the student will be in a position to work at lower and middle managerial positions in all types of libraries, viz. academic, public or special. They will have competencies to perform day to day housekeeping operations and provide library services such as circulation, reference and information services to users of a library. Additionally, they will be in a position to design and develop information retrieval systems specific to the needs of a small community of users. Another outcome of the programme is

to develop a strong foundation and inspiration for higher-level courses in library and information science.

Programme Outcomes:

After the completion of this programme the student will be in a position to work at middle and top managerial positions in all types of libraries, viz. academic, public or special. It involves competencies relating to drafting and getting approval for the library policy, delegation, recruitment, conflict resolution, etc. They will have competencies to design and develop innovative library services such as institutional repositories and library management systems for the specific needs of the community of users. Additionally, they will be able to conduct studies to evaluate the impact, effectiveness and efficiency of library services and library collection among the users. Another outcome of the programme is to develop a strong subject foundation for doctoral-level courses in library and information science.

Information Technology

The department offers four PG Courses. All the courses aim to promote modern area of Information Technology to the highest level of excellence. The courses are highly conducive for building of solid foundation of knowledge, hands on experience, development of personality, creativity and motivation to keep students abreast with the latest development in the field of IT. In addition to the academic development the attention is also given to the personal development of students in the field of software engineering.

Computer Science

The department offers four PG Courses . The main objective is to provide up to date knowledge of the core field of computer science through effective teaching programme thereby, enabling students to enhance their knowledge and get employed in leading corporate and IT sectors to serve the country to bridge the digital divide.

School of Environmental Sciences:

School consist of one department: **Department of Energy & environment**

The Course is focused on developing practical skills and understanding of the physical, chemical and biological environment, and how society, industry and infrastructure interact with it. The Emphasis is placed on techniques for

examining environmental change, methods of monitoring and assessment and providing the context for possible impacts in a range of environments.

The programme has a strong practical/laboratory component, with a specialized training in a wide variety of advance monitoring and sampling techniques. The students develop knowledge, critical analysis and skills in diverse and interdisciplinary areas of Environmental Science. The Students are prepared for a wide range of careers in environmental consultancy and business, in government and non-governmental organizations and for PhD and Post-doctoral Research in environmental sciences.

School of Education:

The department offers four courses in UG, PG M. Phil & Ph.D.

The courses cater the need of teacher educators and researchers to conduct research and innovations in the field of Education. Again the primary reference point for designing and delivering the programmes are at par with the needs and demands of the Industry.

School of Home Sciences:

The School consists of one department namely Depart. Of Human Development & Family studies offering two PG programme . M. Sc. (HDFS) & M.Sc. (FST)

The students graduated with M.Sc. HDFS will be able to approach the research in the area with a critical vision and develop the skills which will help them to conduct their own research and will be efficient in applying and interpretation of research methods. They will also be able to articulate in-depth analysis of life span developmental areas. They will be able to compare, analyse and contrast various theoretical approaches and assess their validity in the societal context. After completion of the course, they can be absorbed in different government and non-government organizations like UNICEF, NIPCCD, NCERT, CRY, Action Aid, OXFAM, etc. The graduated students can become a counsellor by adding academic credential in counselling. They can also become self-reliant by setting up their own Nursery School, Day Care Centre and Crèche

Postgraduates in food technology can take up jobs in different domains such as food industries such as dairy ,sea food food processing companies; catering establishments; soft drink manufacturing firms; spice, cereal , rice and sugar mills. Quality control organizations, food research laboratories; and packaging industries. food technologist can also be selected as Food inspector , Food security officer food scientist, food quality control manager/ supervisor,

sensory evaluator , and so on. After passing professional degree of food technology program he or she may establish their own startup.

School of Legal Studies

The department consists of two departments and one centre

Human Rights:

Studies Programme Outcome Today all knowledge is interdisciplinary. This has been duly considered by bringing together of separate disciplines around common themes of Law and Human Rights.

Besides core papers in Law the Human Rights Advocacy that introduces in students the skills relating to collection of data on human rights abuses, interviewing witnesses, governments and other potential opponents, report writing, media work, litigation and measuring effectiveness is the part of curriculum It also develops the teaching and research skills. It involves the method of campaigning, messaging, fact-finding, and lawyering. The learning outcomes of the programmes are as follows:

- To provide comprehensive under-standing of Law and Human Rights.
- To provide interdisciplinary knowledge by inter linking between various Socio Economic, Political, Legal and Human Rights issues and challenges.
- To inculcate socially and professionally informed knowledge keeping into account interests of various sections of the society, especially those from marginalized sections of society.
- To develop over all personality of students and generate human rights values and ethics in the masses and in the students through Legal Aid Clinic.
- To inform and motivate students for exploring job opportunities and other prospects in the field of Law and Human Rights.
- To develop research, analytical and scientific skills; teaching and communication skill; computer skills including information and digital literacy; and Critical thinking.

Law

To evolve and impart comprehensive legal education and to achieve excellence to produce able competent teachers, lawyers, social activities, judicial officers, legal advisors, governmental and non-governmental organizations.

Centre of Post Graduate Legal studies

The PSO is to promote good academicians, corporate lawyers and Masters in International principles. The Students of the centre are also benefitted by the special lectures delivered by visiting faculties, guest faculties and internal faculties.

School of Management

PROGRAMME SPECIFIC OUTCOME (PSO): Under the PSO, students are groomed in specific way like enhancing and upgrading the marketing skills, financial skills and rural development skills. These help students in meeting out the current requirement of job market as well as prepare students to help for nation building as and when required through different schemes such Swachhata Abhiyan, Blood Donation Camp, Health Awareness Programme, Sensitising for Gender Imbalances, Corruption Eradication and NSS camps etc.

School of Physical & Decision Sciences

Mathematics

1. To develop problem-solving skills and apply them independently to problems in pure and applied mathematics.
2. To assimilate complex mathematical ideas and arguments.
3. To improve analytical and logical skills.
4. To develop abstract mathematical thinking.
5. To perform research in conjunction with others as well as individually.

Chemistry

Students during their M.Sc. programme have to acquire the theoretical and practical aspects of chemical sciences according to their syllabi designed in consideration with the UGC guidelines and the present industrial demand.

After the completion of the postgraduate program M.Sc students have open venture in different competitive exams/institutes/ Universities/ industries for research.

Students after their Ph.D. were engaged in teaching and post-doctoral research in India and abroad.

Statistics

The courses in the Department are designed to inculcate analytic and decision-making aptitude among the students. The Department also caters to the needs of researchers, academicians and scientists from other disciplines seeking guidance and advice in handling the Statistical work involved in their research. The mission and vision of the Department of Statistics is to inculcate statistical thinking in young minds for better future planning and welfare of society and to contribute to the society through excellence in statistical education and research.

Physics:

The department strives to train its students to become skilled and motivated physicists. Students have consistently shown success in various competitive exams like CSIR, UGC-JRF/NET, GATE, JEST etc. and secured jobs in academic institutions, universities and other offices. In addition to the normal teaching classes and the practical training, the curriculum has integral components of seminars and research based on projects targeted to shape the student's career in accordance with the requirement of the present national and international needs. The department is in the process of developing facilities conducive for training in the field of Physics at par with that of international level. The students are exposed to both academics as well as extracurricular activities during their tenure.

School of Language & Literature

School consists of one department offering four courses in PG, M. Phil. and Ph.D. The Specific Outcome of the programmes are as under:

PO: 1- राष्ट्रीय भाषा,साहित्य एवं संस्कृति के प्रति चेतना निर्माण : भाषा,साहित्य एवं संस्कृति से विच्छिन्न विद्यार्थी शव के समान है | अतः विभाग द्वारा विभिन्न शिक्षण तकनीकों के माध्यम से इस चेतना का स्थायन किया जाता है |

PO: 2- संवेदनशील मनुष्य का निर्माण : विज्ञान के अत्यधिक प्रभाव से मनुष्य में यांत्रिकता आती जा रही है जिसका निराकरण साहित्य ही कर सकता है | साहित्य की विभिन्न विधाओं के शिक्षण के माध्यम से विभाग इस हेतु भी सक्रिय रहता है |

PO:3- स्त्री संचेतना का विकास : स्त्री की अक्षम स्थिति एक तथ्य है एवं ज्ञान की विभिन्न प्रणालियाँ स्त्री सशक्तिकरण के प्रयास में लगी हैं। साहित्य में भी उसके सूत्र हैं जिनका शिक्षण विभाग संपन्न करता है।

PO:4- साहित्य एवं समाज का सम्बन्ध विकास : समाज की बहुत सी समस्याओं का समाधान साहित्य में उपलब्ध है तथा जिनका विश्लेषण विभाग विद्यार्थियों के सम्मुख रखता है एवं अनुसंधान हेतु प्रेरित करता है।

PO: 5- इतिहास एवं साहित्य का बोध : भारतीय इतिहास एवं साहित्य का इतिहास हमारी थाती है जिसके अध्ययन से भविष्य के सूत्र मिलते हैं। विभाग उनके सर्वांगीण विश्लेषण के माध्यम से विद्यार्थियों में एक समन्वित दृष्टि निर्माण का प्रयास करता है।

PO: 6- हासिये के समाज के प्रति दायित्व बोध : समाज में शोषित,दलित,आदिवासी समुदायों का अस्तित्व है जिनकी बेहतरी आवश्यक है। साहित्य में इसके संदेश है। विभाग उन संदेशों से भी विद्यार्थियों को परिचित कराता है।

PO: 7- पर्यावरण चेतना का सन्निवेश : पर्यावरण चिंता आज एक सत्य है। साहित्य में पर्यावरण संरक्षण के अप्रतिम सूत्र हैं। विभाग उनके शिक्षण द्वारा पर्यावरण चेतना का विद्यार्थियों में सन्निवेश करता है।

PO : 8- वैज्ञानिक चेतना का निर्माण : विभाग साहित्य शिक्षण के माध्यम से वैज्ञानिक चेतना के निर्माण पर बल देता है एवं रूढ़ीवाद,अन्धविश्वास आदि नकरात्मक मूल्यों का निराकरण करता है।

School of Media & Communication

The department offers three courses in PG, M Phil & Ph.D. The programme specific outcome is to produce skilled professionals for the exponentially expanding world of mass media, both print as well as electronic. The courses also providing advanced and specialized training to the students and caters to the higher level of demands in the profession of mass communication including media and communication research and media and communication education

School of Economics & Commerce

Economics:

It offers three courses PG, Ph.D. M.Phil

The courses focus mainly on advanced teaching and research. The curriculum is very comprehensive and job oriented. The Department involves the students in seminars, conference and debates. Eminent professors from other National & International level institute such as Central Universities, IIMs and IITs being invited to interact with students.

School of Agricultural Sciences & Technology

Horticulture: The department is offering three courses, PG, PG Diploma & Ph.D. programme

Programme Specific outcomes (PSOs):

1. Demonstrate a working knowledge and appreciation of the diversity of plants, their culture and utilization.
2. Apply horticultural principles to the successful growth and production of horticultural plants.
3. Demonstrate the knowledge, skills and attributes to be successful contributing members of the horticulture profession.
4. Synthesize and integrate information to solve horticultural problems.
5. Communicate effectively within the discipline and also be able to transmit knowledge and skills to lay-persons in the general public.
6. Apply concepts of horticulture science to select, manage, and improve plants and their products.
7. Demonstrate competence with laboratory and/or field-based technologies used in modern horticulture.
8. Anticipate and recognize problems, identify causes of these problems, quantify potential impacts, analyze options, identify viable solutions, and evaluate actions and consequences of treatments and interventions.
9. Understand how global issues including climate change, energy use, water availability, and/or food safety impact sustainability of horticultural systems locally, nationally, and globally.
10. Apply principles of accounting, business law, labor, marketing, and personnel management to a horticultural business and contribute to developing various components of a business plan.
11. Quantify economic importance of plants in managed ecosystems and the impact of horticultural crops in food systems.

School of Biomedical & Pharmaceutical Sciences: The school consist of two departments: Pharmaceutical Sciences and Environmental Microbiology

Pharmaceutical Sciences:

Post graduate and doctoral scholars are compassionate skilled and ethical professionals and researchers committed to the cause of health and wellness. Capable of new knowledge and mechanistic approach to the efforts of chemical and biological entities and innovative formulations as applied to human health while displaying leadership and professionalism.

Environmental Microbiology

The students in the department are trained for all the modern techniques in microbiology and biotechnology. The courses focus to combat the diverse problems of environment as microbes can provide the solutions to several of them. The emphasis of research is on utilizing microbes for enhancing crop yields in eco-friendly manner, biodegradation of industrial waste, bioremediation of polluted eco system, optimization of technology for detoxification of distillery and pulp paper Mill based and microbe based foods for food security.

UIET

The courses of engineering under the UIET is in five streams . The specific outcome of all the programme are to provide a balanced education to students strong in scientific engineering humanistic and social basis, so that they may attain a leadership role in their profession and use their knowledge and skill for enhancement of human welfare and environment besides to create good engineers in government and non-government sector. They are also prepared to go in the higher studies so as to serve in the higher education and research institutes.

School of Ambedkar Studies for Social Sciences

It consists four departments: Political Science, History , Public Administration, Sociology and one centre CSEEIP

Political Science

The course provides a solid grounding to the learners on the history of ideas and the larger issues of epistemology in social sciences. The students are able

to critically reflect on the contemporary developments. Courses on comparative politics and international relations provide an overview of political developments at the global level.

History

The curriculum of MA Programme covers wide range of things revolving around socio economic, political and cultural history of ancient, medieval and modern and contemporary India within emphasis on the history of marginalized communities. The course provides an intellectual challenge as well as stimulus to the imagination and analytical thinking.

Public Administration:

The courses in the department are dedicated to promote teaching and research in the emerging fields of public administration especially public policy and governance, comparative public governance, civil services reforms, development and financial administration, urban rural and global governance and the issues of e-governance.

Sociology:

The students would be able to recognize sociology as the scientific study of human society and social behaviour by studying social facts, principles, behaviours, action, opinions, phenomena, social demography, structure, processes, women and society, theoretical orientations, sociology of rural and urban life, social systems, quantitative and qualitative research methods, social gerontology, sociology of development, sociology of globalisation etc.

The centre for the study of Social Exclusion and Inclusive Policy(CSSIP) is one of the monumental landmarks among the 35 centres supported by the University Grants Commission.Social inequality along with its hegemonic structure has been a pervasive feature of Indian society and to overcome such exclusion process is the concern of the centre which is designed to address the issue of social exclusion and inclusion.

Amethi Satellite Campus

There are three departments in satellite campus offering 6 courses both UG & PG.

The specific outcomes of the all the programme is to promote educational and economic welfare especially marginalized and deprived section of the society.

The courses are focused on skill development and development entrepreneurship skills such as computer, food processing and technology, microbiology and commerce and public administration.

Community College

The University has started a Community College to provide education to those who are unable to attend regular courses. The courses in Dietetics and Silk Production have been started w.e.f. 2013-14. The Community College offer courses that are a mix of knowledge and skill development. Vocational nature of education is to enhance the entrepreneurial and employment opportunities to the enrolled students.