

# त्रिपुरा विश्वविद्यालय TRIPURA UNIVERSITY

(केन्द्रीय विश्वविद्यालय / A Central University)

सूर्यमणिनगर, अगरतला / Suryamaninagar, Agartala

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## 2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/ graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents.

The relevant and supporting documents for the criteria as mentioned above have been attached herewith.

  
13/5/22  
Registrar

Tripura University  
(Dr. Deepak Sharma)  
Registrar  
Tripura University



# TRIPURA UNIVERSITY

## Department of Bengali

## PROGRAMME SPECIFIC OUTCOMES

### M.A. in Bengali

- PSO1:** Develop Critical thinking on Bangla Language and Literature
- PSO2:** Encourage Planning abilities : Graduates will formulate ideas regarding literary thoughts, theories, cultural heritage, and different movements of literature, and also will be able to make an analysis of progress of society .
- PSO3:** Motivate Problem analysis along with creative ability : Graduates will identify contemporary challenges of their time and update themselves on recent literary trends
- PSO4:** Encourage new techniques for access to higher research through skillful use of digital archives
- PSO5:** Develop Leadership Skills through tapping of EQ skills in students through their acquaintances with literary characters in exemplary works of literature.
- PSO6:** Develop Professional efficiency in different professional domains like teaching, research , journalism and media.
- PSO7:** Synthesize Literature and Social concerns; identify local and topical literary and artistic activities and work towards sensitization on local folk literatures.
- PSO8:** Develop effective communication skills, team work skills, multidisciplinary approach and ability to relate their course subjects to address language skill and literary thoughts.
- PSO9:** Inspire Lifelong Learning and Progression: Graduates will interpolate knowledge of contemporary issues and extend them to the learning of new thoughts and ideas of literature .

### Ph.D. in Bengali

#### PSO1 Research :

Develop research acumen in identifying prospective and innovative broad areas of research in literatures in Bangla.

#### PSO2 Methods :

Enable understanding of methods of research or creative activities, or both, in the area of study statements, and remarks on current research.

#### PSO3 Communication :

Enable effective oral and written academic communication in the field, peer sharing of ideas and research findings. through conferences, meetings, and workshop engagement.

#### PSO4 Professionalism :

Prepare PhD students for a career in higher academics as potential human resource as well as in the fields of media and journalism.

### IMD in Bengali

- PSO1:** Instill a basic understanding of Bengali Grammar and Literature.
- PSO2:** Prepare students to write mini-dissertations on prospective areas of research
- PSO3:** Motivate and train students for accessing e-learning resources.



# TRIPURA UNIVERSITY

## Department of Botany

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc. in Botany

- PSO1: Analysis Aptitude:** Enable students to relate, analyse and apply scientific thinking to analyze botanical issues and also apply information systematically to address contemporary issues pertaining to ecology. Students shall be motivated to understand basic concepts of plant groups and the allied organisms associated within the subject.
- PSO2: Planning Skill:** Train students to apply their knowledge of Botany and assist in policy framing and planning in fields of ecology and forestry. This program would develop adequate skills, reasoning aptitude and also motivate them towards efficient planning.
- PSO3: Knowledge derived through Biotechnology:** Train students to apply advanced knowledge of fundamental areas of Botany, such as Mycology, Microbiology, Plant Tissue Culture to identify and solve problems in the field.
- PSO4: Modern Equipment Usage:** Impart new skills and techniques and enable operation of advanced tools like PCR, UV Spectrophotometer, FM, etc.
- PSO5: Leadership Quality:** Develop leadership skills with high regard for ethical values and social responsibility through the effective use of flexible CBCS based courses making them eligible to take environment and forest related courses.
- PSO6: Professionalism:** Develop professional expertise as competent biotechnologists at national and international levels.
- PSO7: Technology and Society:** Impart cutting-edge research skills that would enable them to design & develop ideas in the field, inculcating ethical practices with independent intellectual skill, courage, integrity and at the same time being sensitive to the social aspects of society.
- PSO8: Communication Expertise:** Develop effective communication skill, teamwork skills, multidisciplinary approach, and an ability to relate their course subjects to address environmental issues.
- PSO9: Environment Sustainability:** Develop ideas on environment sustainability and pollution assessment and ecological understanding through laboratory and

#### Ph.D. in Botany

##### PSO1 Research:

Identify and develop novel ideas, applications, and accommodate research problems to produce original research domains and produce original publications.

##### PSO2 Communication:

Distinctly and effectively communicate scientific findings among the general public, both written and orally through conferences, meetings, and workshops engagement.

##### PSO3 Knowledge sharing profession:

Share and disseminate knowledge with peers and new scholars.

##### PSO4 Policy making decisions:

Apply research findings and formulate policies related to plantations, biodiversity conservation and forest management as well and environmental planning for sustainable future.

#### PG Diploma in Bamboo Cultivation and Resource Utilization

- PSO1:** Enable generation of human resource in the field of Bamboo Cultivation and Resource Utilization through hands on training; encourage self employment activities with help of local bamboo artisan,.
- PSO2:** Enable the students to be engaged in State Forestry Departments, National Bamboo Mission Programme, BCDI & TRIBAC, etc. operated in the state,.
- PSO3:** Enable students to acquire skill development and innovation work with bamboos and their conservation techniques which is also a part of germplasm conservation and management.



# TRIPURA UNIVERSITY

## Department of Chemical and Polymer Engineering

### PROGRAMME SPECIFIC OUTCOMES

#### M.Tech. in Chemical and Polymer Engineering

- PSO1: Knowledge about Technology:** Develop advanced knowledge of fundamental areas of chemical & polymer engineering, such as Heat & Mass Transfer, Advanced Reaction Engineering, Polymer Science & Technology, Rubber Science & Technology etc. and henceforth will be able to solve chemical and polymer engineering problems.
- PSO2: Planning Abilities:** Develop and communicate ideas, demonstrate efficient planning including time management, resource management and organization skills, reason critically and exercise independence of mind and thought in conducting research.
- PSO3: Problem analysis ability:** Apply scientific methods and tools to address and solve practical problems in society and to apply information systematically for the solution. They will have a holistic approach in solving problems and designing systems by applying professional engineering judgment, particularly where there is technical uncertainty and determine process feasibility and viability of the chemical & polymeric processes with respect to economic aspects, environmental safety and social aspects etc.
- PSO4: Modern Tool usage:** Develop skills to handle new techniques and advanced tools like DSC, FTIR, FESEM, UV Spectrophotometer etc.
- PSO5: Leadership Skills:** Develop leadership skills with high regard for ethical values and social responsibility through the effective use of flexible CBCS based courses making them eligible to take management related courses.
- PSO6: Professional Identity:** Espouse professionalism and competence in the application of technology at national and international level
- PSO7: Technology and Society:** Develop skills of undertaking research, design & development in cutting edge areas, inculcating ethical practices with independent intellectual skill, courage, integrity and sensitive to the social aspects of society.
- PSO8: Communication:** Develop effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate their course subjects to address environmental issues.
- PSO9: Environment and sustainability:** Sensitize ideas on environment sustainability and pollution control through laboratory practices
- PSO10: Life-long learning & progression:** Instill knowledge of contemporary problems and issues and develop ability to engage in life-long learning of new innovative technologies in chemical/polymer and allied fields and pursue advanced studies

#### Ph.D. in Chemical and Polymer Engineering

##### PSO1 Research:

Develop research acumen among prospective researchers to conceptualize, design, and identify potent and innovative research areas for the genesis of the new knowledge; apply research methodologies considering unanticipated problems; train researchers to make effective judgments on complicated issues in specialized fields and produce original research and encourage publications.

##### PSO2 Methods:

Train researchers on methods of research or creative activities, or both in the area of study enabling students to measure distinct approaches for problem-solving issues using well demonstrated techniques, invent, affirm statements, and remarks on current research.

##### PSO3 Communication:

Develop effective communication skills scientific activities to peers and the general public, both written and orally. Pursue effectively with the scientific community through conferences, meetings, and workshops engagement.

##### PSO4 Professionalism:

Building characters and skills necessary for employment, such as personal responsibility, self-reliant initiatives under challenging situations, ethical behavior with academic integrity, and appropriate guidelines for responsible conduction of research.



# TRIPURA UNIVERSITY

## Department of Chemistry

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc in Chemistry

**PSO1:**

Equip students with basic concepts on fundamental aspects of chemistry and their applications

**PSO2:**

Provide knowledge on aspects of Spectroscopy, Natural Products, Synthetic, Structural Chemistry and Green Chemistry.

**PSO3:**

Explore potential interfaces between academia and industry through collaborative research in India and abroad.

#### Ph.D. in Chemistry

**PSO1:**

Promote research skills among scholars to tap avenues of research in Synthetic Structural Chemistry, Natural Product Chemistry, Coordination Chemistry and Surface Chemistry.

**PSO2:**

Encourage professional compatibility in all the above fields

**PSO3:**

Promote publication of research outputs in reputed national and international peer-reviewed journals.



# TRIPURA UNIVERSITY

## Department of Commerce

### PROGRAMME SPECIFIC OUTCOMES

#### IMD in Commerce

- PSO1:** Facilitate theoretical as well as practical knowledge about the different aspects of the business perspectives which prepare them to work in various organizations.
- PSO2:** Attain expertise in various domain areas like management, economics, accounting, costing and taxation.
- PSO3:** Enable students to work in various industries like manufacturing, service, retail, banking and finance etc.
- PSO4:** Enable students to incubate startups.

#### Master in Commerce

- PSO1:** Enhance the computer application in business through the latest version on tally and e-commerce principles for enhancement of the employability of the learners.
- PSO2:** Develop the decision making skills through costing methods and practical application of management accounting principles.
- PSO3:** Develop communication skills and build confidence to face the challenges of the emerging world.
- PSO4:** Enhance entrepreneurial skills for starting new business ventures

#### Ph.D. in Commerce

- PSO1:** Instill confidence in handling numerical data.
- PSO2:** Build an intuitive understanding of the most modern tools and techniques of research methods in business and finance.
- PSO3:** Motivate to undertake narrative and evidence based high quality research in changing environment
- PSO4:** Communicate their research findings in high quality journals .

#### Post Graduate Diploma in Finance and Taxation

- PSO1:** Enhance the application of taxation polices for the welfare of business.
- PSO2:** Develop the decision-making skills through the lens of Taxation policies.
- PSO3:** Develop the skill of tax planning using dedication available.
- PSO4:** Enhance entrepreneurial skills for starting new business ventures.



# TRIPURA UNIVERSITY

## Department of Computer Science and Engineering

### PROGRAMME SPECIFIC OUTCOMES

#### M.Tech. in Computer Science and Engineering

- PSO1:** Develop theoretical and practical foundations of computing among students.
- PSO2:** Apply and develop existing models, techniques, algorithms, etc. for efficiently solving problems.
- PSO3:** Develop ability to design, develop and evaluate new computer based systems for novel applications which meet the desired needs of real world.
- PSO4:** Develop ability to independently carry out research /investigation and development work to solve practical and social problems.
- PSO5:** Facilitate understanding of professional and ethical responsibility.
- PSO6:** Develop ability to learn independently and engage in lifelong learning.
- PSO7:** Develop ability to write and present a substantial technical report/document.
- PSO8:** Develop ability to apply mathematical foundations and algorithmic principles for modelling and simulation of engineering problems.

#### Ph.D. in Computer Science and Engineering

- PSO1:** Facilitate a broad understanding of computer science fundamentals, spanning a substantial portion of the following core areas: computer vision, artificial intelligence and data science, Internet of Things (IOT), blockchain etc.
- PSO2:** Develop significant expertise in at least one research area in computer science.
- PSO3:** Produce and defend original research in an area of computer science.
- PSO4:** Enable understanding of the impact of publishing research works in well renowned Journals/ Transactions and Tier-I/Tier-II Conference Proceedings.
- PSO5:** Develop soft skills to communicate research results effectively in both oral and written forms.
- PSO6:** Develop ability to apply ethical principles and commit to professional ethics.



# TRIPURA UNIVERSITY

## Department of Economics

### PROGRAMME SPECIFIC OUTCOMES

#### IMD in Economics

- PSO1:** Enable students to analyze the public policies and market analysis.
- PSO2:** Enable students to independently prepare projects on economic issues.
- PSO3:** Enable students to acquire a quantitative approach to economic events.

#### M.A in Economics

- PSO1:** Prepare students to analyze contemporary economic processes
- PSO2:** Sensitize students to analyze the public policies and market analyses
- PSO3:** Inspire students to undertake research on contemporary economic issues

#### Ph.D. in Economics

- PSO1:** Develop acumen in students to undertake research projects in contemporary economic issues.
- PSO2:** Equip students with advanced tools and techniques for data analysis.
- PSO3:** Enable researchers to work independently as economic and policy analyst.





# TRIPURA UNIVERSITY

## Department of Education

### PROGRAMME SPECIFIC OUTCOMES

#### M.A. in Education

- PSO1:** Develop Knowledge about philosophical and valuerelated aspects in the light of different Indian and Western philosophers, their philosophical point of views, different schools of philosophy and their implications in present day education.
- PSO2:** Sensitize knowledge on human psychology in the light of psychological theories, different learning theories, individual differences, and hence encourage personality development.
- PSO3:** Develop knowledge on the sociology of education to apply this knowledge in favour of giving positive direction to their community.
- PSO4:** Develop knowledge and skills about latest technology, new models of teaching and its application in classroom learning, become familiar with self-learning reading materials, using assistive technology, develop skills to using TLM in classroom interaction.
- PSO5:** Develop skills to conduct research: Students will able to gather knowledge about different forms of research, develop skills to conduct a good research, skills to write research proposal and research report.
- PSO6:** Develop knowledge and skills of administration and management: Students will be able to develop administrative and managing knowledge and skills, develop knowledge about leadership and leadership styles, human resource management, conflict resolution etc. And also will be able to apply this knowledge of administrating and managing over different educational and real life situations.
- PSO7:** Sensitize students on differently abled students with empathetic understanding of different types of disability, identifying diverse kinds of disability in children, with special focus on the role of the teacher for improving learning.
- PSO8:** Develop skills on guidance and counselling: Understanding the knowledge and skill about different types of guidance and counselling, as per requirement of students.
- PSO9:** Develop models of assessment, measurement and evaluation with various measuring scales, assessment, tools, techniques and various evaluation systems, new trends in evaluation, educational measurement and able to apply these ideas as per the situational demand.
- PSO10:** Clear Idea about higher education: Students will be able to learn and understand the various aspects of higher education
- PSO11:** Impart statistical knowledge : Students will be able to do grasp different statistical techniques and able to utilize these as per the requirements and able to interpret over any data based on the obtained statistical result. They will able to develop skills of doing different inferential and descriptive statistics, making graph etc.
- PSO12:** Impart theories of teacher education with special emphasis on instructional strategies their application on practical field of teaching learning.
- PSO13:** Impart Knowledge on contemporary issues in Education: Students will get knowledge about contemporary background of education, different committees and commissions of education, their role in upliftment of Indian educational structure.
- PSO14:** Impart Knowledge about great educators: Students will come to know about great educators and their contribution to education
- PSO15:** Train students on open, online and distance learning: Students will come to know about different sources and agencies of open, online and distance learning and able to apply their knowledge in favour of doing various courses and able to participate different educational programmes.
- PSO16:** Impart knowledge about comparative education: Students will able to comparison between different nations on their educational structure and systems. They will able to get a critical analytical capacity on different educational scenario.
- PSO17:** Sensitize women empowerment: Students will critically understand the practical scenario of the conditions of women in India and able to think about the necessary initiatives to be taken for the empowerment of the women.

#### Ph.D. in Education

- PSO1:** Develop substantive knowledge in their area of specialization
- PSO2:** Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas
- PSO3:** Design and conduct original research in their area of specialization
- PSO4:** Demonstrate the ability to communicate the results of their research in a clear and effective manner
- PSO5:** Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds
- PSO6:** Demonstrate an understanding and concern for the high ethical standards in education research, teaching, and service
- PSO7:** Demonstrate the ability to teach college-level courses in their area of specialization



# TRIPURA UNIVERSITY

## Department of Electrical Engineering

### PROGRAMME SPECIFIC OUTCOMES

#### M.Tech. in Electrical Engineering

- PSO1:** **Engineering knowledge:** Apply the knowledge of mathematics, science, electrical engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PSO2:** **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PSO3:** **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PSO4:** **Conduct investigations of complex problems:** Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PSO5:** **Leadership Skills:** Promote leadership skills with high regard for ethical values and social responsibility through the effective use of flexible CBCS based courses making them eligible to take management related courses.
- PSO6:** **Modern tool usage:** Demonstrate their technical ability to design and analyze Electrical Engineering circuits, computer based programs through Logic Controller, PSCAD, ETAP, MATLAB, Lab-VIEW, Open LCA, Arduino and IOT.
- PSO7:** **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PSO8:** **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PSO9:** **Self learning and entrepreneurship:** Promote and encourage successful participation in campus placements and competitive examinations like Public sector, GATE etc; facilitate direct exposure with the industries under the Entrepreneurship Development Cell.
- PSO10:** **Higher education and research:** Motivate potential students in higher education, research avenues through various trainings and research laboratory exposure.

#### Ph.D. in Electrical Engineering

- PSO1:** Promote discovery of technological solutions in the field of Electrical Engineering with better efficacy .
- PSO2:** Impart basic and advance knowledge in the areas of Electrical Engineering system research.
- PSO3:** Develop innovative and entrepreneurial solutions .
- PSO4:** Promote professional ethics with social sensitivity .



# TRIPURA UNIVERSITY

## Department of English

### PROGRAMME SPECIFIC OUTCOMES

#### IMD. in English

- PSO1:** Pursue English studies uninterruptedly through an organic Bachelor's-cum-Master's Program.
- PSO2:** Bridge the gap between post-matriculation or intermediate levels of study and post graduate programs in English Literature, Language and Cultural Studies.
- PSO3:** Prepare students not only for higher academics, but also gear them towards careers in Content Writing, Soft-skills and the media.
- PSO4:** Nurture a group of in-house students right from the undergraduate level for taking up the subject concerned at postgraduate level. This is in addition to the students that the department gets every year in its MA programme from affiliated colleges offering English Honours.

#### M.A. in English

- PSO1:** Transform students into smart communicators and adapt them to changing times and the changing needs of English Studies in India and opening up new vistas for employment.
- PSO2:** Develop research acumen and skills at the postgraduate level
- PSO3:** Sensitize students on the literatures of the Northeast part of India both in English and in translation to enable the students to relate to the literary and cultural concerns of their immediate topography.
- PSO4:** Prepare students for UGC NET/SET examinations in the PG classroom.
- PSO5:** Inspire research activities and identify prospective research areas; the present program has opened up a number of Optional Special papers that have been designed to initiate research curiosity and skills in a variety of study areas.
- PSO6:** Cater to the needs of the industry, with the aim of maintaining an academia-industry interface.
- PSO7:** Develop lifelong learning among students and enhance their hermeneutic and analytic faculties for appreciating literature in close association with life, culture, art and aesthetics.

#### Ph.D. in English

- PSO1:** Train Research Scholars to become independent researchers in the field of literature, language and cultural studies.
- PSO2:** Prepare Research Scholars for careers in academia and in the field of higher education.
- PSO3:** Update Research Scholars on current and latest trends in research and documentation in the chosen area of research.
- PSO4:** Train Research Scholars on latest theoretical developments in the field of literature and literary evaluation, aesthetics and cultural studies.
- PSO5:** Contribute to the existing epistemic corpus of research in the discipline.
- PSO6:** Highlight the specific issues of the region (North East in general and Tripura in particular) that pertain to literature, language, culture, orature and folklore for ensuring their proper documentation and preservation.



# TRIPURA UNIVERSITY

## Department of Forestry and Biodiversity

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc. in Forestry and Biodiversity

- PSO1:** Identify, review research literature, analyse problems and formulate research proposals to taking up research as a career .
- PSO2:** Communicate in both oral and written form the forestry knowledge base, activities and the use of biological resources by demonstrating professional ethics .
- PSO3:** Undertake field based surveys related to the conservation, utilization and sustainable management of Forest and other NTFP's .
- PSO4:** Learn the advancements and use the modern tools by applying forestry and Biodiversity principles .
- PSO5:** Choose career options in environmental NGO's, Forest based industries, Administrative services of ministries dealing with Forest and environment, become independent consultant, or become entrepreneur with the knowledge of Forest resource utilization and management .

#### Ph.D. in Forestry and Biodiversity

- PSO1:** Identify the problems and formulate problems specific Research studies in Forestry and Biodiversity
- PSO2:** Advance scientific understanding of the forests and its Biodiversity and the values associated with its existing resources.
- PSO3:** Understand and practice the concepts of conversation and management for meeting the ambits of sustainability.
- PSO4:** Meet the needs of recent global issues by adopting methodologies at par with modern scientific methods and develop models.
- PSO5:** Fulfil the requirements of the communities through research and extension activities.



# TRIPURA UNIVERSITY

## Department of Geography and Disaster Management

### PROGRAMME SPECIFIC OUTCOMES

#### M.A/M.Sc in Geography and Disaster Management

- PSO1:** Promote knowledge in quantitative techniques and Cartography.
- PSO2:** Motivate expertise in analyzing Remote Sensing data (Satellite images) and GIS mapping.
- PSO3:** Promote expertise in small research project, field survey, and report writing etc.
- PSO4:** Impart knowledge on physical, human and applied fields of geography.
- PSO5:** Promote skills in facing competitive exams like UPSC, TPSC, TET, SSC, PGT, TGT, etc.

#### Ph.D. in Geography and Disaster Management

- PSO1:** Impart knowledge and experiences in their own specialization and they might be expertise like analysis of social and cultural problems, population growth, transport connectivity, regional planning, fluvial geomorphology, testing water quality etc.
- PSO2:** Promote expertise to make digital mapping using satellite images and GIS tool.
- PSO3:** Promote expertise in finding water surplus and water deficit areas.
- PSO4:** Promote expertise in the field of Land use planning.
- PSO5:** Promote expertise in the field of fluvial hazards analysis and Disaster Management.



# TRIPURA UNIVERSITY

## Department of Human Physiology

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc. in Human Physiology

- PSO1: Knowledge:** Equip students with an in-depth knowledge in the area of basic and applied Human Physiology including systemic physiology, cell biology, biochemistry, molecular biology, genetics, neurology, endocrine and reproductive physiology, developmental biology, sports, exercise and environmental physiology.
- PSO2: Planning abilities:** Develop skills for planning with time management, analyse the outcome and capable of taking decisions to reach achievable goals.
- PSO3: Problem analysis: Develop skills** for logical thinking to tackle detailed problem-solving and analytical tasks associated with questions in core and applied areas of human physiology.
- PSO4: Modern tool usage:** Learn to select and use modern techniques associated with research in human physiology including cellular, immunological, molecular, histological, histochemical and biochemical techniques.
- PSO5: Leadership skill:** Develop leadership skills to work in a team and take initiative for fulfillment of professional and societal responsibilities.
- PSO6: Professional Identity:** Understand, analyze and communicate the value of their professional roles in different health science research environment including research on nutrition, toxicology, modern molecular and cell culture laboratories including cancer research and research with medicinal plants for human benefit.
- PSO7: Ethics in research:** Develop knowledge of ethical issues associated with modern biological research including both animal and human ethical issues and their implications in developing research protocols and gather knowledge on different biosafety measures.
- PSO8: Communication:** Develop skills used in reasoning and communication with scientific community and society. To synthesize information from literature and its communication in form of scientific papers, reports, poster and oral presentations.
- PSO9: Benefits to the society:** Contribute to society, in the realms of different health issues concerning the local indigenous population and human as a whole.
- PSO10: Life-long learning:** Develop independent, critical and creative thinker who has a self-motivated passion for life-long learning.

#### Ph.D. in Human Physiology

- PSO1: Research:** Enable students to discover new and prospective areas of research in the field of human physiology and its adaptability to changing healthcare scenario.
- PSO2: Methods:** Facilitate understanding of methods of research or creative activities, or both, in the area of study enables the students to measure distinct approaches for problem-solving using well-demonstrated techniques, invent, affirm statements, and remarks on current research.
- PSO3: Communication:** Distinctly and effectively communicate the scientific activities to peers and the general public, both written and orally. Pursue effectively with the scientific community through conferences, meetings, and workshops engagement.
- PSO4: Policy making decision:** Apply research findings and formulate policies related to local, regional and global health issues.



# TRIPURA UNIVERSITY

## Department of Information Technology

### PROGRAMME SPECIFIC OUTCOMES

#### Master of Computer Application (MCA)

- PSO1:** Prepare graduates to create systems through software development to solve problems in Industry domain areas.
- PSO2:** Prepare Graduates to contribute to societal growth through research in their chosen field.
- PSO3:** Prepare graduates who will perform both as an individual and in a team through good analytical, design and implementation skills.
- PSO4:** Prepare graduates who will be lifelong learners through continuous professional development in the domain of IT.

#### M.Tech. in Information Technology

- PSO1:** Enable scholars to design, develop, implement, integrate and administer IT-based solutions of real-life computing problems using current and emerging, contemporary technologies.
- PSO2:** Enable scholars to synthesize and evaluate models for IT management, demonstrate data analysis skills, manage the various aspects of an IT organization, for effective interpretation and decision making to solve real life problems.
- PSO3:** Attain expertise in both oral and written forms, of communication, demonstrating the practice of professional ethics and the concerns for social welfare using accepted standards and best practices.
- PSO4:** Enable scholars to engage in rese

#### Ph.D. in Information Technology

- PSO1:** Enable students to design, develop, implement, integrate and administer IT-based innovative solutions the solution of real-life computing problems using present day technologies.
- PSO2:** Enable students to synthesize and evaluate models for IT for data analysis, via various hardware and software solutions for solving real life problems.
- PSO3:** Enable students to show technically sound expertise in communicating both orally and in written form to demonstrate research ideas, innovations with professional ethics and the concerns for social causes.
- PSO4:** Enable students to engage in future subordinates and students in research activities to innovate and carry out research in various fields of Information Technology.



# TRIPURA UNIVERSITY

## Department of Journalism and Mass Communication

### PROGRAMME SPECIFIC OUTCOMES

#### M.A in Journalism and Mass Communication

- PSO1:** Train students to take up challenging career options in 1. TV Journalism 2. Radio Journalism. 3. Photography 5. Cinematography 6. Film Editing 7. Documentary Film Production 8. Public Relations in Corporates and Public Sector Enterprises ,9. Copywriter, Layout designer, Graphics designer etc. in the Advertising Industry. and 10 To train journalists to take up a challenging career in print industry like newspapers and magazines within the country and at local level.
- PSO2:1.** Train students for a challenging career option in Media Research Organizations like IMBR, Audience Research Units of Prasar Bharati and Private Commercial TV Channels and so on within the country and at local level. 2. To train up students for undertaking academic research degrees like M.Phil. PhD and Post doctoral research endeavor.
- PSO3:** Train students to take up the challenging career option of teaching and academic endeavor. It is intended to train up a pool of competent media professionals who can be at the vanguard of media and entertainment industry which provides ample job opportunities in diverse media organization both in public sector and private sector in India and local level. Mass media is a sunrise sector so it holds ample opportunity for an individual take up entrepreneurial assignments at local and global level .
- PSO4:** To take up managerial positions in the media and entertainment industry.

#### Ph.D. in Journalism and Mass Communication

- PSO1:** Train students on the nuances of media research for academic and entrepreneurial objectives
- PSO2:** Train students take up contemporary topics for research in mass media that might solve local problems.
- PSO3:** Train researchers to design quality TV, Radio, and documentary programmes that are liked by masses.; to take up managerial positions in the media and entertainment industry of the state as well as the entire country.
- PSO4:** To prepare a pool of qualified teachers for working in the domain of mass media, journalism and pedagogy.





# TRIPURA UNIVERSITY

## Department of Kokborok

### PROGRAMME SPECIFIC OUTCOMES

#### Post Graduate Diploma in Kokborok

- PSO1:** Impart knowledge on the history of Kokborok Language and Literature
- PSO2:** Impart linguistic aspects, translation and composition, essay, story and precis writing
- PSO3:** Promote the study and interpretations of Kokborok poems and drama
- PSO4:** Promote the study of Kokborok novels, short story and literary essay

#### M.A. in Kokborok

- PSO1:** Analyze socio-cultural, economic and religious conditions of Tripura in the context of Kokborok Language, Literature, Folk literature and Culture.
- PSO2:** Sensitize students on the philosophical aspects of Kokborok Literature and Culture.
- PSO3:** Develop an appreciation for the language, interpret and appreciate the literary texts.
- PSO5:** Develop skills in literary analysis and language analysis.
- PSO6:** Develop capability in the students for becoming efficient translators/interpreters.
- PSO7:** Develop and motivate students to take up further studies and research.
- PSO8:** Prepare students for job opportunities in various fields.

#### Ph.D. in Kokborok

- PSO1:** Impart knowledge on the basic objectives of research methods, methodological frameworks and research design,.
- PSO2:** Generate a potent review of literature on folk literature and language to identify appropriate research gaps.
- PSO3:** Develop various skills viz. drafting and revising, style of writing and analytical skills.
- PSO4:** Develop skills in literary analysis and analyzing language.
- PSO5:** Apply in-depth knowledge in research.



# TRIPURA UNIVERSITY

## Department of Library and Information Science

### PROGRAMME SPECIFIC OUTCOMES

#### Bachelor of Library and Information Science

- PSO1:** Enable students to understand the concept of library management and apply while carrying out various operations of Library and Information Centers; maintain the library statistics and prepare annual report
- PSO2:** Generate familiarity with and explore different range of information sources and identify ways to evaluate these sources
- PSO3:** Train to classify all types of documents with classification Schedules , preparation of Bibliographic Records by using Cataloguing Codes, find subject headings,
- PSO4:** Assist in Library Management software and Office management Software; Perform documentation work and Understand the status local libraries

#### Master in Library and Information Science

- PSO1:** Enable students to identify strengths and weaknesses; develop self acceptance and communicate effectively
- PSO2:** Enable students to comprehend the concept of library, systems, their functions and services.; sensitize students on the role of UGC for development of all types of libraries.
- PSO3:** Enable students to understand the importance of information literacy especially, today, when there is an abundance of information surrounding us; comprehend different other literacy concepts such as Media Literacy, Digital Literacy and ICT literacy, etc. and finally help them become better informed students
- PSO4:** Motivate to apply Information Retrieval techniques such as Indexing and abstracting , evaluate Information Retrieval systems
- PSO5:** Enable students to learn the basics of research and research methodology in terms of types, forms, formulate research problems and questions including objectives, hypotheses, research design, and literature search. The students will also able to know be about data collection methods and analyzing the data through different statistical techniques. Further, the students will able know bibliometric studies and their application and preparing the research reports.

#### Ph.D. in Library and Information Science

- PSO1:** Enable students to identify the research void that exists in the field of Library and Information Science and encourage them to work on those untouched areas
- PSO2:** Enable the students to identify the issues that exists in the discipline and find solutions for the same by applying well designed research methods, critical thinking and advanced technologies
- PSO3:** Identify innovative ideas that will help grow the profession of Librarianship in general and in the state of Tripura in particular



# TRIPURA UNIVERSITY

## Department of Linguistics and Tribal Languages

### PROGRAMME SPECIFIC OUTCOMES

#### M.A. in Linguistics and Tribal Languages

- PSO1:** Imparting advanced knowledge of the core areas of linguistics, such as phonetics, phonology, morphology, syntax, semantics and sociolinguistics; applied linguistics, such as translation, lexicography and language teaching etc.
- PSO2:** Grasp the complexity of language as a communication system shaped by cognitive, biological, cultural, and social factors.
- PSO3:** Understand the concepts and theories of linguistic structure, and patterns of language use.
- PSO4:** Understand the processes of language change and variation, the role of language in reflecting and constructing social identities, and the distinctive properties of human language.
- PSO5:** Apply linguistic knowledge to enhance their writing activities and also to improve their understanding on psycho-socio skills in inter and intra lingual communicative contexts.
- PSO6:** Integrate relevant knowledge to establish a foundation for advanced researches in indigenous languages and people.
- PSO7:** Employ linguistic knowledge and skills in teaching, training and linguistics researches at further studies.
- PSO8:** Understand the technical vocabulary and theoretical tools of the field, necessary to read published linguistic research.
- PSO9:** Develop awareness of the nature of language and its role in human society.
- PSO10:** Apply knowledge and understanding of linguistic diversity and variability within and across societies.

#### Ph.D. in Linguistics and Tribal Languages

- PSO1:** Understand concepts of research and its methodologies.
- PSO2:** Develop a detailed research proposal.
- PSO3:** Students can attain a comprehensive understanding of the basic principles of research in theoretical and descriptive linguistics.
- PSO4:** Train to collect, organize and analyze linguistic data from diverse languages, to form hypotheses about language structure/use and to test those hypotheses against new data.
- PSO5:** Apply the in-depth knowledge and understanding of the concepts, theories, and methodologies proposed by linguists in Linguistics and its different applied and sub-fields.
- PSO6:** Understand the technical vocabulary and theoretical tools of the field, necessary to read published linguistic research.
- PSO7:** Ability to comprehend both psychological and social factors associated with language.
- PSO8:** Ability to conduct research in the areas of core and applied linguistics.
- PSO9:** Critically evaluate the implications and applications of relevant theories.
- PSO10:** Ability to be aware of ethical issues in conducting research.
- PSO11:** Ability to be able to read, write, listen and speak for academic purposes.
- PSO12:** Ability to develop area of specialization in linguistic study.



# TRIPURA UNIVERSITY

## Department of Business Management

### PROGRAMME SPECIFIC OUTCOMES

#### Bachelors of Business Administration (BBA)

- PSO1:** Develop basic understanding about management education
- PSO2:** Train students in effective business communication.
- PSO3:** Develop appropriate skills to make students competent and enable them with skills leading to self employment.
- PSO4:** Inculcate entrepreneurial skills among the students
- PSO5:** Identify and solve business problems in an ethical manner

#### Masters of Business Administration (General Management)

- PSO1:** Apply knowledge of business management to address complex business problems using available resources
- PSO2:** Apply contextual knowledge to assess societal, organizational, legal, and cultural issues and the consequent responsibilities relevant to management practice.
- PSO3:** Apply ethical principles for making judicious managerial decisions
- PSO4:** Equip students to function effectively as individuals and as team players or leaders in diverse teams, and in multidisciplinary settings under multicultural environments within the country or abroad .
- PSO5:** Develop excellent inter-personal skills among the students to communicate effectively with various stakeholders

#### Ph.D. (Business Management)

- PSO1:** Develop advanced knowledge and core competence in the latest academic theories, concepts, technology-enabled opportunities, financially justified analysis, research operations and market-based economy in a global field of business administration.
- PSO2:** Extend knowledge, expertise and skill of students through the application of research to business problems and issues by including internships, teaching experiences, and special study projects as a part of the curriculum,
- PSO3:** Develop the ability to carry out independent research at an advanced level, and enhance their ability to deliver their ideas, research methodology and findings by means of formal presentations
- PSO4:** Generate opportunities for the University's bachelor and master's degree students to continue their business education by undertaking the doctoral degree course of study.
- PSO5:** Fosters integration of business and non-business disciplines to generate novel ideas, strategies, and practical approaches to address social issues.



# TRIPURA UNIVERSITY

## Department of Material Science and Engineering

### PROGRAMME SPECIFIC OUTCOMES

#### M. Tech. in Material Science and Engineering

- PSO1:** Develop core competency in fundamental understanding of materials and their properties.
- PSO2:** Analyze, design and evaluate materials for engineering applications.
- PSO3:** Solving engineering problems using the domain knowledge of materials.
- PSO4:** Enabling students to work individually or in a group and under supervision for research and development activities with high professional and ethical standards.

#### Ph.D. in Material Science and Engineering

- PSO1:** Enabling students to design and conduct systematic research independently and critically analyze and interpret results/data.
- PSO2:** Enabling students to design materials/devices for specific application considering economic, environmental, social, and sustainable development.
- PSO3:** Training and guiding next generation of researchers both in academics and research and development.
- PSO4:** Develop skills to prepare detailed scientific reports on the knowledge created by research and publish in manuscript for knowledge dissemination.



# TRIPURA UNIVERSITY

## Department of Microbiology

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc. in Microbiology

- PSO1:** Develop an insight about the basic concepts, and practices of microbiology and its processes.
- PSO2:** Understand the nature and scope of different basic and applied branches of microbiology like Microscopy, Microbial Technology, Microbial Ecology, Environmental Microbiology, Microbial Immunology and Bioinformatics
- PSO3:** Perform experimental procedures as per established laboratory standards in the areas of culturing, preserving and handling the microbes.
- PSO4:** Gain skill and training to carry out their own research work in the form of M.Sc. Project work in diverse research areas to develop confidence and analytical ability for answering a problem in real time.
- PSO5:** Students will develop understanding about the literature review and Scientific writing required to carry out research work in future studies .

#### Ph.D. in Microbiology

- PSO1:** Train as an independent as well as a team worker with adequate knowledge in the field of Microbiology.
- PSO2:** Groom as an independent researcher with critical writing and reading skills.
- PSO3:** Train as a productive manpower for industry as well as academics.



# TRIPURA UNIVERSITY

## Department of Molecular Biology and Bioinformatics

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc in Molecular Biology and Bioinformatics

- PSO1:** Facilitate understanding of the nature and basic concepts of cell biology, Biochemistry, Molecular biology and bioinformatics.
- PSO2:** Successfully undertake experimental procedures as per established laboratory standards in the areas of Biochemistry, Molecular biology, Plant tissue culture, Genetic Engineering, Molecular Ecology, Molecular marker Technology and Bioinformatics.
- PSO3:** Develop understanding about the literature and dissertation writing required to carry out a good research during their Ph.D.
- PSO4:** Identify different resources needed to perform the research in the field of Molecular Biology and Bioinformatics.
- PSO5:** Enable analysis of data, its presentation along with documentation of research findings.

#### Ph.D. in Molecular Biology and Bioinformatics

- PSO1:** Promote expertise in the domain of molecular biology and bioinformatics with considerable expertise in the field of Immunology, Molecular biology, cell and tissue culture, as well as bioinformatics and studies related to infection biology.
- PSO2:** Promote intuitive talents and skills for making indispensable manpower in the field of Molecular Biology domain; the knowledge perceived helped them to achieve success in their respective fields.
- PSO3:** Attain expertise in their field of research which will be useful to share and disseminate knowledge among others and train to the students from new generations. This will help to develop more effective manpower pool.
- PSO4:** Facilitate publications of research findings of scholars in both National and Internationally reputed scientific journals and also become capable of presenting and defending their research among experts from Molecular biology and Bioinformatics.



# TRIPURA UNIVERSITY

## Department of Pharmacy

### PROGRAMME SPECIFIC OUTCOMES

#### Master of Pharmacy

- PSO1:** Promote critical thinking in the minds of the M.Pharm students to engage themselves in developing new drugs for the healthcare and pharmaceutical industries.
- PSO2:** Promote acquisition of skills required to do the quality check and quality assurance in the drug compounds and finished formulations.
- PSO3:** Encourage advanced and updated researches in the field of drug discovery and drug design
- PSO4:** Train students to discover new drugs from the elements of the organic and natural compounds into their medicinal uses.
- PSO5:** Motivate students to find placement in healthcare and pharmaceutical industry after completing the course.

#### Ph.D. in Pharmacy

- PSO1:** Inspire excellence in drug discovery research projects to develop novel therapeutics for contemporary health problems.
- PSO2:** Promote discovery of newer therapeutic molecules with better efficacy and safety profile.
- PSO3:** Apply basic and advance knowledge in the areas of pharmaceutical chemistry, phytopharmaceuticals, Nano pharmaceuticals, modern analytical techniques and structure-based drug design research.
- PSO4:** Enables students to strive for higher professional achievements in pharmaceutical industry, entrepreneurship as well as academic sector.





# TRIPURA UNIVERSITY

## Department of Philosophy

### PROGRAMME SPECIFIC OUTCOMES

#### IMD in Philosophy

- PSO1:** Promote comprehensive knowledge and understanding in
- PSO2:** Provides an understanding about the basic issues
- PSO3:** Instill among students a consciousness of the necessity and importance of studies of Philosophy in the present modern world .

#### M.A in Philosophy

- PSO1:** Impart comprehensive knowledge and understanding in
- PSO2:** Provide comprehensive and lucid understanding diverse branches of Philosophy
- PSO3:** Develop rational thinking for conceptual analysis in their practical life.

#### Ph.D. in Philosophy

- PSO1:** Promote comprehensive understanding and research in Philosophy .
- PSO2:** Motivate relevant topics for research and identify research gaps.
- PSO3:** Create a pool of competent researchers who can train, teach and guide in future.
- PSO4:** Create opportunities for the University's bachelor and master degree students to continue their philosophical education by undertaking the doctoral degree course of study.



# TRIPURA UNIVERSITY

## Department of Physical Education

### PROGRAMME SPECIFIC OUTCOMES

#### Masters in Physical Education(M.P.Ed.)

- PSO1:** Develop physical, mental, social and spiritual aspects of every individual through Physical Education. Beside this, we put stress on personality development of the individual. Developing character is the ultimate goal of this course.
- PSO2:** Promote advanced theoretical knowledge regarding human capacity in relation to physical and mental growth of every individual through specialized training and research under the surveillance of experienced faculty members.
- PSO3:** Promote Physical Fitness ,understanding the Psycho-Physical capacity of every individual through Physical Education .

#### Ph.D. in Physical Education

- PSO1:** Promote knowledge, research ability, improve the coaching and teaching experience and improving leadership ability.
- PSO2:** Impart advanced theoretical knowledge regarding human capacity in relation to physical and mental growth of every individual through specialized training and research under the surveillance of experienced faculty members.
- PSO3:** Promote both theoretical and practical methods in strengthening Physical Fitness understanding the Psycho-Physical capacity of every individual through Physical Education .



# TRIPURA UNIVERSITY

## Department of Physics

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc in Physics

- PSO1:** Train students in basic digital and analog electronics as well as advanced electronics. They get both theoretical knowledge and gain practical knowledge to a deep extent which can help them in their future prospects.
- PSO2:** Promote sound knowledge in different advanced topics in physics as well as fundamental subjects like Quantum Mechanics, Electrodynamics, Statistical Mechanics etc. which can help them in their future career as teacher in schools, colleges and universities.
- PSO3:** Train students through M.Sc. project work on different advanced research related topics of physics under the supervision of different teachers of the department. This training helps them immensely in achieving their future career towards research and development.

#### Ph.D. in Physics

- PSO1:** Promote publication of research outcomes in highly reputed peer- reviewed international research journals. Every year on an average thirty numbers of high quality works are published in different reputed journals. This helps the Ph.D. scholars to visit abroad for short term and long term duration as visiting scientists and post doctoral fellows etc.
- PSO2:** Impart training on various advanced instrumentations and high level software programming for diverse career prospects.
- PSO3:** Promote and actively encourage national and international collaborations with highly reputed institutions and several Memorandum of Understanding (MoU) with reputed organisations, under which, students get opportunity under various exchange programs that facilitate them to build up their professional career.



# TRIPURA UNIVERSITY

## Department of Psychology

### PROGRAMME SPECIFIC OUTCOMES

#### M.A in Psychology

- PSO1:** Prepare students in professional domains as psychologists and professionals, significantly contributing to the development of the society at the local, national and international levels .
- PSO2:** Motivate students for academic domains as teachers and researchers .
- PSO3:** Enabling professional skills as counsellor, trainers & therapists.
- PSO4:** Motivate students to sensitize citizens on the value of mental health.

#### Ph.D. in Psychology

- PSO1:** Impart requisite knowledge to conduct independent research in academic and/or applied settings, including knowledge of research methodology appropriate to a specific area of study, Knowledge of data analytic techniques; knowledge of a specific area of study within the field of psychology at regional and global levels.
- PSO2:** Develop effective written communication skills to disseminate research and scholarship and/or pursue funding opportunities.
- PSO3:** Promote professional standards and expectations prior to the attainment of degree.
- PSO4:** Develop knowledge and skills to engage diversity and inclusion in psychological science (as researchers, teachers, practitioners when applicable, and mentors)
- PSO5:** Develop the knowledge and skills to engage in ethical research and practice (when applicable)
- PSO6:** Develop the knowledge and skills to keep oneself abreast of “cutting edge” issues in their respective program areas (e.g., replicability).



# TRIPURA UNIVERSITY

## Department of Sanskrit

### PROGRAMME SPECIFIC OUTCOMES

#### M.A. in Sanskrit

- PSO1:** Train students with basic knowledge of Vedic and Sanskrit language features. After the completion of the Programme students will be able to demonstrate knowledge about Vedic Sanskrit as well as Classical Sanskrit language.
- PSO2:** Acquire knowledge on Vedic, Classical and Modern Sanskrit literature, literary history, literary criticism etc. They will be able to analyze debate and discuss various concepts coming in Sanskrit literature.
- PSO3:** Demonstrate adequate knowledge about Sanskrit grammar and linguistics, grammatical methods existing in Sanskrit especially Paniniyan school of grammar, trends in modern linguistics.
- PSO4:** Develop clear, first hand understanding about the general characteristics of Indian Culture and Civilization as reflected in the vast literature of Sanskrit. They will learn and know about Indian culture, way of life as found in Indian Epics and Puranas.
- PSO5:** Impart knowledge on Ancient Indian Philosophy; explore various concepts and ideas of philosophy and critically analyzes them on both orthodox and non-orthodox branches of Indian Philosophy.
- PSO6:** Encourage and promote thorough reading of some of the most important Sanskrit texts such as selections from Rgveda, Brahmanas and Upanishads, selections from Ramayana and Mahabharata and Dharmashastras and various Prose and Poetry authored by celebrated writers like Kalidasa, Sri Harsha, Banabhatta etc.
- PSO7:** Enable students to read many of the recent Sanskrit texts authored by modern Sanskrit literatures and will develop skill of creating original Sanskrit writings themselves.
- PSO8:** Develop research aptitude among students and train them with basic knowledge, standard method, critical thinking and skill required for Indological research.
- PSO9:** Train students in analyzing inscriptions and deciphering various ancient scripts.
- PSO10:** Develop skills for translation in Sanskrit and enable the students to translate from Sanskrit to other Indian languages and vice-versa.

#### Ph.D. in Sanskrit

- Research:** Motivate a renaissance in Sanskrit studies; promoting and accommodating research methodologies of modern studies in Sanskrit language.
- Methods:** Tracing methodological models from ancient and modern Sanskrit scholars to encourage studies in Sanskrit language and literature.
- Communication:** Distinctly and effectively communicate with peers and the general public, both written and oral forms. Pursue effectively with the academic community through conferences, meetings, and workshops engagement.
- Professionalism:** Developing necessary skills in Sanskrit to promote the subject at the school and college levels; develop translation skills in other modern Indian languages to promote ancient classical texts in Sanskrit in modern academia.



# TRIPURA UNIVERSITY

## Department of Statistics

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc. in Statistics

- PSO1:** Enable analysis of statistical problems for decision making .
- PSO2:** Enable students to gain knowledge for preparation on various statistical competitive examinations, like Indian Statistical Service, Statistical Investigator, Statistical Officers in RBI, other banks and PSUs .
- PSO3:** Enable students to acquire knowledge on different statistical techniques for recent topics, like data science, actuarial science which are helpful for industrial job
- PSO4:** Enables students to obtain several statistical tools and techniques for industrial and academia research .
- PSO5:** Enable students to achieve advanced statistical computational techniques by using different programming languages and software's .

#### Ph.D. in Statistics

- PSO1:** Enables students to address different concepts and plan of action for research problem.
- PSO2:** Enables students to manage the original and up to date research .
- PSO3:** Promote research based publications in various reputed journals.
- PSO4:** Enables students to influence research with real-life applications .



# TRIPURA UNIVERSITY

## Department of Zoology

### PROGRAMME SPECIFIC OUTCOMES

#### M.Sc. in Zoology

- PSO1:** Developing problem solving abilities in the area of ology and allied fields.
- PSO2:** Apply zoological knowhow in nurturing animal resources for human Welfare.
- PSO3:** Encourage field based studies in relation to conservation and sustainable use of animal resources of aquatic and terrestrial ecosystem.
- PSO4:** Promote advanced knowledge and deeper skills to foster successful researchers in zoology/ biological sciences.

#### Ph.D. in Zoology

- PSO1:** Enhance academic expertise in developing review of literature, identifying potential areas of the subject, to prepare proposals for submission to funding agency.
- PSO2:** Promote training to learn research protocols and plan strategies for execution of the research work.
- PSO3:** Train students to compute, analyze and compile the data, manuscript preparation and communication to journals.



# TRIPURA UNIVERSITY

## Department of Sociology

### PROGRAMME SPECIFIC OUTCOMES

#### IMD in Sociology

- PSO1:** Provide continuum and facilitate students with more core papers in respective specializations, yielding firmer grasp of the subject.
- PSO2:** Facilitate wider choices for students ensuring inter-disciplinary education.
- PSO3:** Orient students towards specializations in all possible directions, providing a firm base for further research studies.
- PSO4:** To sensitize students on fundamental sociological problems by engaging with academicians, activists and artists.

#### M.A in Sociology

- PSO1:** Emphasizes on a larger study of society and its mechanism.
- PSO2:** Promotes an interdisciplinary approach to the subject and issues related to society keeping in mind the wide approach of this subject to address the different aspects of society.
- PSO3:** Orienting students towards contemporary questions that have both basic and applied dimensions.
- PSO4:** Sensitizing students on International, national and regional traditions.
- PSO5:** Enable students to develop social consciousness and responsibilities through engaging in understanding aspects of society from sociological lens.

#### Ph.D. in Sociology

- PSO1:** Promote advanced inter-disciplinary avenues of research in social sciences.
- PSO2:** Encourage rigorous research in the context of 'Sociology of Tripura', enhancing critical thinking skills and equipping them to conduct empirical research using both qualitative and quantitative research methods to advance the knowledge about various field of sociology in context of Tripura – culture, religion, education, migration, and tribes. The main outcome will enable the students to contribute their original research to the whole sociology of knowledge.
- PSO3:** Train prospective researchers on comprehensive analytical and methodological skills in their research area.
- PSO4:** Promote concepts and theoretical applications of sociology in research framework and practical application in conducting research.
- PSO5:** Develop expertise into students special interest area and contribute original research to the whole sociology of knowledge.



# त्रिपुरा विश्वविद्यालय

## TRIPURA UNIVERSITY

(केन्द्रीय विश्वविद्यालय / A Central University)

सूर्यमणिनगर, अगरतला / Suryamaninagar, Agartala

त्रिपुरा(प.) / Tripura (W.), पिन / PIN – 799022, भारत / INDIA



### **Program Outcomes: Master of Science (MSc)**

**PO1. Knowledge:** Obtain in depth knowledge on various fundamental topics in the related fields and get exposure to the recent advances in that field. It also enriches their analytical, critical, creative faculties.

**PO2. Problem analysis and solving:** Inculcate reasoning, logical thinking skills and creativity; be equipped with skills to analyze problems, find solutions of them, formulate a hypothesis, evaluate and validate results, and draw reasonable conclusions thereof.

**PO3. Communication:** Ability to express effectively, write effective reports, design documentation, make effective presentations, give and receive clear instructions and effectively communicate with others.

**PO4. Employability and Leadership skills:** Enable the students to be employable in any allied sectors. Develop potential among students to excel as leaders in academics, entrepreneurship, industry and management.

**PO5. Ethics:** Develop scientific ethics, including confidentiality and accountability. Apply ethical principles and commit to professional ethics, responsibilities, and norms of science practices.

**PO6. Environment and Sustainability:** Create awareness about environment protection and conservation of resources and the need for sustainable development for long time betterment of the living beings on earth.

**PO7. Character building:** Inculcate among the students the higher values of life which enable them face the odds of the life boldly and be a responsible citizen of the country.

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### **Program Outcomes: Master of Arts (MA)**

**PO1.** Develop critical thinking in the chosen subject of study through various courses organized synchronically.

**PO2.** Ensure smooth progression from the undergraduate to the postgraduate level by instilling dedicated approach to the subject of study at a higher level.

**PO3.** Instill research interest in the subject of study by training and equipping students with required skills through mentoring project based study and writing a dissertation at the end of the final semester.

**PO4.** Instill interdisciplinarity in diverse areas of humanities and social sciences, besides the exclusive pursuit of the subject of choice.

**PO5.** Promote and encourage communicative competence in the relevant subject through training of soft skills and effective communication skills.

**PO6.** Create awareness about environment protection and conservation of resources and the need for sustainable development for long time betterment of the living beings on earth.

**PO7.** Inculcate among the students honour for values, self-respect and personality so as to help them boldly face the challenges life is expected to throw at them. In addition, as presumed, this will make them responsible citizens of the country.

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### **Program Outcome: Bachelor of Business Administration (BBA)**

**PO1:** Demonstrate the importance of management discipline.

**PO2:** Build a strong foundation of knowledge in different functional areas of management.

**PO3:** Develop the professional skills of applying management concepts and in real life situations.

**PO4:** Develop reading, writing, speaking skills and Business correspondence.

**PO5:** Demonstrate ethical principles in the business.

**PO6:** Discuss and evaluate national and global economic environment.

**PO7:** Create opportunities for self-employment, incubate new ideas and start own start-ups.

**PO8:** Discover emerging opportunities in the Management Profession.

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### **Program Outcome: Master of Business Administration (MBA)**

- PO1:** Demonstrate the knowledge of management science to solve complex business problems using limited resources.
- PO2:** Identify and analyze new business opportunities by employing research skills.
- PO3:** Design and implement innovations in work space.
- PO4:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO5:** Apply ethical principles for making judicious managerial decisions.
- PO6:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO7:** Engage various stakeholders effectively in sustainable business practices
- PO8:** Engage in independent and life-long learning.

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### **Program Outcome: Integrated Master's Degree Programme**

**PO1: Facilitating Student Progression through coopting undergraduate students into an appropriate epistemic tradition:** The program develops students' broad understanding of major subjects offered by the university enriching their analytical, critical, creative faculties.

**PO2: Inculcation of leadership skills:** The program is aimed at nurturing appropriate skills in students to plan, organize activity-based tasks including group projects and develop leadership skills in the process.

**PO5: Development of Soft Skills and Communicative Competence:** The IMD program recognizes the importance of effective communication in the rapidly changing world of today. Hence the program is so designed so as to equip students with both verbal and digital communication skills to create skilled human resource in different sectors of employment after the completion of the program.

**PO5: Professionalism and praxis-oriented learning:** The program intends to develop praxis-oriented knowledge with the objective of inspiring professionalism in the respective domains of study.

**PO6: Nurturing Ethics:** The IMD program through its various courses aims at synthesizing Indian traditional value systems and modern professional demands, integrating them into various Courses of study in the program; the primary objective being upholding and disseminating appropriate ethical standards.

**PO7: Environment and Sustainability:** The IMD program is committed to instill the much needed awareness about appropriate environmental awareness, ethics and a commitment to the preservation of ecological sustainability through theoretical and practical knowledge of green energy resources, values of cleanliness and protection of natural resources in the campus.

**PO8: Lifelong Learning:** The Program is aimed at building citizens of the future through training students to be participative in their approach to real life problems, preparing them to solve prospective problems in future.

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### **Program Outcomes: Master of Computer Applications (MCA)**

**PO1.** Apply knowledge of Computing fundamentals, specialization, mathematics, and domain knowledge appropriate for the computer application to the abstraction and conceptualization requirements.

**PO2.** Identify and analyse problems in relevant domains and find solutions to them.

**PO3.** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.

**PO4.** Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to latest computing activities, with an understanding of the limitations.

**PO5.** Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

**PO6.** Recognize the need, and have the ability to engage in independent learning for continual development.

**PO7.** Demonstrate knowledge and understanding of computing and management principles and apply as a member and leader in a team, to manage projects in multidisciplinary environments.

**PO8.** Communicate effectively with society at large, being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

**PO9.** Understand and assess social, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional practice.

**PO10.** Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

# त्रिपुरा विश्वविद्यालय

## TRIPURA UNIVERSITY

(केन्द्रीय विश्वविद्यालय / A Central University)

सूर्यमणिनगर, अगरतला / Suryamaninagar, Agartala

त्रिपुरा(प.) / Tripura (W.), पिन / PIN – 799022, भारत / INDIA



### **Program Outcomes: Master of Technology (M.Tech.)**

**PO1. Domain Knowledge:** Obtain in-depth knowledge of mathematics, science, engineering fundamentals, and an engineering specialization.

**PO2. Problem Analysis and Problem Solving:** Inculcate reasoning, logical thinking skills and creativity, and be equipped with skills to identify and analyze complex engineering problems, find solutions of them. Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO3. Modern Tool Usage:** Be well-versed with the usage of modern engineering and IT tools related to the respective discipline, and able to use them effectively to solve various engineering problems.

**PO4. Communication:** Ability to express effectively, write reports properly, design documentation, make successful presentations, give and receive clear instructions and put them across.

**PO5. Ethics:** Develop engineering ethics, including confidentiality and accountability. Apply ethical principles and commit to professional ethics, responsibilities, and norms of engineering practices.

**PO6. Environment and Sustainability:** Create awareness about environment protection and conservation of resources and the need for sustainable development for long time betterment of the living beings on earth.

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### **Program Outcomes: Master of Pharmacy (M. Pharm.)**

**PO1.** Help students develop the habit of critical thinking to inspire them to develop new drugs for the healthcare and pharmaceutical industries.

**PO2.** Impart the skills required to do the quality check and quality assurance in the drug compounds and finished formulations.

**PO3.** Get acquainted with the advanced and updated researches in the fields of drug discovery and drug design.

**PO4.** Get trained to discover new drugs from the elements of the organic and natural compounds into their medicinal uses.

**PO5.** Enable the students to acquire better career in the healthcare and pharmaceutical industry after completing the course.



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### **Program Outcomes: Master of Commerce (M. Com.)**

**PO1:** Enhance the computer application in business through the latest version on tally and ecommerce principles for enhancement of the employability of the learners.

**PO2:** Develop the decision making skills through costing methods and practical application of management accounting principles.

**PO3:** Develop communication skills and build confidence to face the challenges of the emerging world.

**PO4:** Enhance entrepreneurial skills for starting new business ventures.

**PO5.** Create awareness about environment protection and conservation of resources and the need for sustainable development for long time betterment of the living beings on earth.

**PO6.** Inculcate among students respect for values, self-esteem, confidence to negotiate with any challenges in course of their journey through life.

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### **Program Outcomes: Bachelor of Vocation (B.Voc.)**

**PO1.** Demonstrate comprehensive knowledge of one or more disciplines that form a part of an undergraduate B.Voc programme. Execute strong theoretical and practical understanding generated from the chosen B.Voc programmes.

**PO2.** Inculcate reasoning, logical thinking skills and creativity along with skills to analyze problems and find solutions to them.

**PO3.** Ability to express confidently, write proper reports, design documentation, make effective presentations, give and receive clear instructions and successfully communicate with others.

**PO4.** Acquire job-oriented skills and entrepreneurial skills through vocational training.

**PO5.** Ability to work in teams with enhanced inter-personal skills.

**PO6.** Create awareness about environment protection and conservation of resources and the need for sustainable development for long time betterment of the living beings on earth.

**PO7.** Inculcate among the students the higher values of life which enable them stand amidst the odds of the life with a strong characteristic feature.

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### **Program Outcomes: Bachelor of Education Programme (B.Ed.)**

**PO1.** Obtain in-depth knowledge of the basic concepts and ideas of educational theory.

**PO2.** Understand and cater to the needs of a diverse student population.

**PO3.** Develop understanding about teaching, pedagogy, school management and community involvement.

**PO4.** Build skills and abilities of communication, art, aesthetics, theatre, self-expression and ICT.

**PO5.** Create awareness about environment protection and conservation of resources and the need for sustainable development for long time betterment of the living beings on earth.

**PO6.** Inculcate among the students the values of life which will enable them to negotiate with the problems of life boldly.