

तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY

(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)

(A Central University established by an Act of Parliament)

परीक्षा नियंत्रक का कार्यालय / OFFICE OF THE CONTROLLER OF EXAMINATIONS

तेजपुर - 784028 :: असम :: भारत / TEZPUR - 784028 :: ASSAM :: INDIA

No.: F.13-5/24/2022(Acad)/1806

ADMISSION NOTICE

Dated: 14.11.2025

Ph.D. Programme - (Spring Semester, 2026)

Online applications are invited from eligible candidates for admission to the following Ph.D. programmes in the Spring Semester, 2025:

Ph.D. programme Offering Departments / Centres:

Departments under School of Sciences: 1) Chemical Sciences 2) Environmental Science 3) Mathematical Sciences 4) Molecular Biology & Biotechnology and 5) Physics.

Departments under School of Engineering: 1) Applied Sciences 2) Civil Engineering 3) Computer Science & Engineering 4) Design 5) Electrical Engineering 6) Electronics & Communication Engineering 7) Energy 8) Food Engineering & Technology and 9) Mechanical Engineering

Departments under School of Management Sciences: Business Administration

Departments/Centres under School of Humanities and Social Sciences: 1) Assamese 2) Cultural Studies 3) English 4) Mass Communication and Journalism 5) Hindi 6) Social Work and 7) Centre for Women Studies

Department under School of Multidisciplinary Studies: Centre for Multidisciplinary Research.

Programmme	Entry Channel(s)
	as may be applicable
Ph.D. in Applied Physics, Applied Chemistry, Civil Engineering, Design,	1. Joint CSIR UGC NET
Electrical Engineering, Electronics & Communication Engineering, Energy,	2. UGC NET
Food Engineering & Technology, Mechanical Engineering, Cultural Studies,	3. SLET (or SET)
English, Mass Communication & Journalism, Social Work, Women studies,	4. GATE
Business Administration, Chemical Sciences, Environmental Science,	5. CEED
Molecular Biology and Biotechnology, Physics, Multidisciplinary Research.	6. ICAR NET
* Ph.D. in Applied Mathematics, Assamese, Computer Science & Engineering,	7. NBHM
Hindi, Mathematical Sciences	8. TUEE

* No TUEE will be held for these subjects.

Candidates to the Ph.D. programmes will be selected for admission on the basis of the above channels and Personal Interview (PI) to be conducted by the respective departments/centres.

For written entrance examination (TUEE), if any, syllabus and pattern will be notified by the concerned department/centre.

Short-listed candidates for Tezpur University Entrance Examination (TUEE), if any, and Personal Interview (PI) will be notified by the concerned Department/Centre of the University.

Click to view <u>pre-requisites and area of research for admission</u> to Ph.D. programme and <u>Fee Structure</u>. **Reservation and relaxation:** As per Govt. of India Rules.

How to apply: Candidates are required to apply online through the link https://tezuadm.samarth.edu.in/2025/ by paying application fee of Rs. 1000/- only (Rs. 500/- for SC, ST, EWS and PWD category). Payment of application fee is to be made online through Debit card / Credit card or NET-

banking. Candidates should read and follow the instructions available on the admission portal carefully while filling up the online application form.

Important Tentative Dates:

Date of display of online application form on the website	14 th November, 2025
Last date of submission of online applications	1st December, 2025
Date of publication of list of applicants eligible for written test, if any	8 th December, 2025
Date of written test to be conducted by the concerned department/Centres, if any	17 th December, 2025
Date of personal interview by the concerned department	23 rd & 24 th December, 2025
Date of publication of list of selected candidates	12 th January, 2026
Date of provisional admission	19 th January, 2026

Sd/-Controller of Examinations

Pre-requisite & Area of Research for admission into various Ph. D. programmes of Tezpur University in the Spring Semester, 2026

	Department/Centre	Pre-requisite	Area of Research for Admission
1.	Applied Sciences (Ph.D. in Applied Physics/ Ph.D. in Applied Mathematics/ Ph.D. in Applied Chemistry)	APPLIED PHYSICS: M.Sc./Integrated M.Sc. in Physics/ Astrophysics/ Electronics/ Geophysics/ Material Science/ Applied Mathematics/ Nanoscience and Technology/ Biotechnology/ Environmental Science and Chemical Science. OR M. Phil., M. Tech. in Solid State Material/ Material Science/ Electronics/ Energy/ Nanoscience and Technology/ Biotechnology/ Environmental Science and Chemical Sciences. OR	Optical image, Processing, Low-dimensional Material Physics, Optical Spectroscopy, Electron Energy Loss Spectroscopy, Scanning Transmission Electron Microscopy
		M.S in Astronomy and Astrophysics. OR B.Tech. in Engineering Physics with 80% marks in aggregate or equivalent CGPA. APPLIED MATHEMATICS:	Fourier Analysis
		M.Sc./M.A./M.E./M.Tech./MS/BS-MS/ Integrated M.Sc. in Mathematics/ Statistics/ Engineering Mathematics/ Mathematics and Computing/ Applied Mathematics/ Operations Research/ Mechanical Engg./ Industrial Engineering/ Computer Science and Engineering/ Information Technology/any allied subject with 55% marks in aggregate or equivalent CGPA. OR	
		B.Tech. in Mathematics and Computing/any allied subjects with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute/ University from where B.E./B.Tech degree was obtained.	
		APPLIED CHEMISTRY: M.Sc. in Chemistry/ Chemical Sciences/ Polymer Chemistry/ Polymer Science/ Physics/ Nano Science/ Material Science/ Environmental Science or allied subjects OR M.E./M.Tech. in allied subjects (Chemical Engineering/ Polymer Technology/ Material Sciences/ Environmental Engineering/ Energy etc.)	Metal-organic frameworks, Carbon capture and utilization, Porous polymers and framework materials for energy and environmental applications
2.	Assamese	Post Graduate in Assamese or in any allied discipline/subjects with 55% marks or equivalent grade.	 Modern Assamese literature, (specially Novel, Poetry and Short Story), Comparative study. Assamese Theatre and Film, Semiotics, Stylistics, Digital Humanities.

3.	Business	M.B.A., M.Com., M.A./M.Sc. in Economics, M.A.	Modern Assamese Literature; Studies of Assamese Folklore and Culture; Literature, Society and Culture of Colonial Assam; Environmental Humanities. Taxation, Social Development issue,	
	Administration	in Psychology/ Sociology/Social Work/ Cultural Studies, MCA, M.T.M. / M.T.A. FCA/ FCS/ FICWA.	Tourism, Rural Economy, International Business, Rural Development, Green Finance/Banking, Risk Management, Management, Human Resource, Marketing, Application of IT in Management, Knowledge Management, Supply Chain Management, Green Washing, IPR, Community Conservation Area (Conservation).	
4.	Chemical Sciences	M.Sc. in all branches of Chemical Science/Physics/Nanoscience/ Material Science/ Biotechnology/ Biochemistry/ Bioinformatics/ Environmental Science. M.E./M.Tech. in allied subjects (Chemical Engineering/ Polymer Technology/ Material Sciences/ Environmental Engineering etc.).	 Sensors, M.I. & Biosensors Computational Chemistry Functional Material Computational Inorganic Chemistry Organic Synthesis and Catalysis Electrocatalysis Organic Chemistry Geotechnical Engineering. Water	
5.	Civil Engineering	(a) M.E./M.Tech. /M.Sc.(Engg.) in Civil Engg. Or allied areas or (b) M.Sc. in relevant discipline with minimum 70% marks in aggregate or equivalent CGPA or (c) B.E. / B.Tech with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute/University from where B.E./B.Tech degree was obtained.	Geotechnical Engineering, Water Resources Engineering.	
6.	Computer Science & Engineering	M.Tech. in Computer Science / I.T. / Electronics MCA M.Sc. in Computer Science / I.T. OR B.E. / B.Tech. with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute / University from where B.E./B.Tech. degree was obtained.	 Pattern Recognition Machine Learning Computer Vision Trust and reputation Image Processing Data Mining Bioinformatics Software Engineering 5G/6G Cognitive Radio Networks Optical Networks Network Security Blockchain Technology Algorithms Speech Processing Knowledge Representation & Reasonin Computer Networks Ad-Hoc & Senor Networks Graph Learning Network Biology Computational Biology Generative -AI Deep Learning 	

7.	Cultural Studies	M.A. in any of the disciplines in Humanities or Social Sciences with a uniformly good academic career. Candidates with UGC JRF, UGC NET or NE SET will be given preference.	Migration Studies, Visual Culture, Gender Studies, Film Studies, Literature and Post Humanism
8.	Design	Masters degree in Design/M.E./M.Tech./M.Arch./MCA/MSc (Computer Sciences/Electronics) Masters degree in Applied Arts/Ergonomics/Fine Arts/Visual Arts/Psychology/Physiology/ Occupational Safety and Health/ Journalism/Mass Media Communication, or Two year Masters degree in Management (MBA or equivalent) with relevant studies in Design field with minimum 55% marks OR Bachelor's degree in Design/Engineering/Architecture/ Planning/ Interior Design (10+2+4) years/ 4 years BFA/recognized degree in Design related field (10+2+4) years (AICTE/UGC approved) with 75% marks in aggregate or equivalent CGPA with valid CEED/GATE score. OR Four year Undergraduate Diploma in Design (NID or equivalent), with Post Graduate qualification in relevant area with at least 6.0 CGPA (or 55% marks)/ a two year Post Graduate Diploma in Design in relevant area (NID/CEPT or equivalent) with 1st class at Bachelor's level/ GD Art (5 year program after 10th standard) with one year professional experience with at least 6.0 CGPA (or 55% marks). Valid CEED/GATE scores will be preferred.	 Industrial Design, Product Design, Bamboo Applications in Design, Sustainable Materials, Traditional crafts and textiles, Surface design for textiles, Transportation Design, Clay Modelling & Sculpting, Human Centred Design, System Thinking and Design, Design for Sustainability, Design for Social Innovation, Rural Technology and Frugal Innovation, Human Factors/Ergonomics, Typography & Publication Design, User Experience Design, Packaging Design, Retail & Exhibition Design, Film-making & Story-telling, Architecture and design for the elderly
9.	Electronics & Communication Engineering	M.E./ M.Tech./ M.Sc. Engg./ M.S. in Electronics/ Communication/ Electronics Design/ Electrical/ Instrumentation/ Control/ Microwave/ Biomedical/ Bioelectronics/ Bio – Technology/ Computer Science/ Information Technology. OR M.Sc. in Electronics/ Physics/ Applied Mathematics. MCA with Physics, Chemistry and Mathematics in Bachelor degree, MBBS with MD/ MS degree. OR B.E./B.Tech. with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute/ University from where B.E./ B.Tech degree was obtained.	 Biosensors, Quantum Technology Electrochemical Biosensors Biomedical Image analysis Robotics, Biomedical signal processing Medical image processing using deep learning, Machine learning, computer vision Smart agriculture Semiconductor and VLSI Technology, Sensor Sensor systems and Instrumentation signal processing Sensors and Nanotechnology Heterojunction solar cell, Semiconductor devices Microstrip Antennas (MPA Substrates), Corrugated Feeds, Broadband Antennas

10.	Electrical Engineering	ME/M.Tech. in any relevant discipline of Engineering or MBBS with MD/MS or M.Sc. in any relevant Science discipline, OR B.E./B.Tech. with 75% marks aggregate orc equivalent CGPA with a valid GATE Score and minimum two recommendation letters from the Institute or University from where B.E./B.Tech. degree was obtained.	 Electric Vehicle, Renewable Energy, Power System Sensor and Instrumentation Energy Storage and Control Systems, EV, Renewable Energy, Nonlinear Dynamics, Magnetic Vehicles Power Electronics and Drives Microgrid Control, Electric Vehicle
11.	Energy	MSc/ME/MTech degree in Energy related Engineering & Technology or Physics / Chemistry / Agriculture / Allied subjects /MA in Energy Economics with a minimum 55% or equivalent grade in Masters degree. BE/BTech degree in Energy related Engineering & Technology subjects with 75% marks in aggregate or equivalent CGPA with valid GATE Score.	 Bioenergy & Biofuels, Energy Environment Interaction Thermal Comfort, Biomass Energy Instrumentation & Control, Hybrid Energy System Fuel Cell, Hydrogen Energy, Energy Harvesting & Storage Photovoltaic, Solar Energy, Hybrid Renewable Energy Systems Radiant System, Geothermal System
12.	English	MA in English (specialization may be in American Literature as well as in English Language Teaching, English Literature, Indian Writing in English, New literature in English and Women's Writing in English).	English Literature
13.	Environmental Science	Masters in any Science/ Applied Science / Engineering discipline with at least 55% marks or equivalent CGPA. At Bachelor's level the candidate must have attended Science / Technology programme.	 Hydrogeomorphology Interests: River & hazards, landforms, applications of RIS-GIS to environmental matrices, coupling studies, Atmospheric and climate studies. Plant Physiology & Biochemistry Interest: Stress Physiology & GHG emission from Agricultural Sector. Vermiculture technique, soil health management, solid waste management, nano-enabled agriculture, crop production, and sustainable agriculture Interest: Waste Management & Biopesticidal Application. Geochemistry Environmental System Modelling; Air Pollution Meteorology; Climate Impact Modelling; Extreme Events Analysis; Noise pollution Modelling; Machine Learning applications in Environmental Systems. Ecosystem functions (hydrochemistry and geochemistry), wetland productivity, nanotechnology in environmental research, pollution indexing, geo statistics. Environmental pollution - air, water and soil; Human-environment interactions.
14.	Food Engineering & Technology	M.Tech. / M.E. /Integrated M. Tech in Food Engineering and Technology/Food and Dairy related other programme/Mechanical Engineering/Chemical Engineering/Bio- Process/Bio-Chemical/Biotechnology, or,	 Non- thermal processing of food. Food Rheology & Properties Hurdle Technology Advanced Enzyme Technology for food processing

		M.Sc. and Integrated M.Sc. in Food Engineering and Technology/Food and Dairy related other programme/Applied Microbiology/Microbiology/Bio-Chemistry/ Chemistry/ Biotechnology/Bioscience and Informatics, or,B.E./B.Tech. (in Food Engineering and Technology/Food and Dairy related other programme) with 75% marks in aggregate or equivalent CGPA with valid GATE Score). Minimum two recommendation Letters from the Institute/University from where B.E./B.Tech. degree was obtained.	 Food packaging waste utilization Functional Food Development of Aerogel for Food application
15.	Hindi	M.A. in Hindi.	Purvottar Bharat: Bhasha-Sahitya, Tulnatmak Adhyayan, Dalit Vimarsha, Adivasi Vimarsha, Stree Vimarsha
16.	Mass Communication & Journalism	M. A. in Mass Communication, Mass Communication & Journalism/Communication. Master of Mass Communication (MMC). Master of Journalism & Mass Communication (MJMC). Master of Science in Communication (M. S. Communication). M. Sc. Communication. Master of Journalism.	 Digital Culture, Digital Media, Cultural and Media Studies Science Communication Film/Cinema/New Media/ TV production Folk and Community Media Political Communication
17.	Mathematical Sciences	M.A. / M.Sc. in Mathematics or M.A./M.Sc. in Statistics with requisite background in Mathematics.	 Number Theory Mathematical Statistics Finite Field Theory Coding Theory Functional Analysis, Fixed Point Theory Group Theory and Graph Theory Numerical Analysis, Finite Element Methods
18.	Mechanical Engineering	M.E. / M.Tech. / M.Sc. (Engg.) in Mechanical Engineering or any other relevant Engineering branches including Chemical Engineering and Materials Science Engineering. OR, M.Sc Degree in any relevant discipline with CSIR-UGC JRF/NET Qualified certificate or a valid GATE score. Candidates other than those with M.Sc. Mathematics must have studied Mathematics up to BSc level. OR, B.E. / B.Tech. degree with 75% marks in aggregate or equivalent CGPA with valid GATE Score. Minimum two recommendation Letters from the Institute /University from where B.E./B.Tech. degree was obtained.	 Solar hybrid power and cooling systems. Thermodynamic modeling, analysis and optimization of Combined power, organic Rankine and Kalina cycles. Design and Optimization Drying Technology, Solar Thermal Energy Storage, Rural Technology and Innovation and Design. Photovoltaic thermal system management and optimization Blood flows through blocked arteries CAD/CAM, FEM, Composite, Soft Computing Materials Engineering and Manufacturing, Steels, Aluminum Alloys and Microalloying, Metal Casting, Heat Treatment Technology, Thermo-Mechanical Treatments (TMT), Microstructural Characterization, Mechanical Metallurgy, Structure-Property Correlation, Friction Stir Welding (FSW), Machinability Analysis, Tribology, Corrosion and Biofouling Behavior, Metal Forming, Failure Analysis, Creep and High Temperature

Material Science Natural and synthetic Fiber-reinforced composites, Graphene and CNT-reinforced nanocomposites, Hybrid composites, Fibrid composites, Graphene and CNT-reinforced nanocomposites, Fibrid composites, Fibrid c				Deformation Behavior, Computational
composites, Graphene and CNT-reinforced nanocomposites, Hybrid composites, Finite element method. Bioplastics and Biocomposites for practical applications, Automated Medical Rehabilitation devices Mechatronics and Robotics Data Science, Statistical Modeling and Optimization, Six Sigma, Process optimization, Six Six Six Sigma, Process optimization, Six Six Sigma, Process optimization, Six Six Six Sigma, Process optimization, Six				Material Science
Medical Rehabilitation devices Mechatronics and Robotics Data Science, Statistical Modeling and Optimization, Six Sigma, Process optimization, Six Sigma, Process optimization, Six Sigma, Process optimization, Six Sigma, Process optimization, Statistical, Computational and Experimental Analysis/studies in Thermal and Fluids Engineering, Sustainable Energy Computational heat transfer, Renewable energy (Solar, Wind), Battery Thermal management, Thermal managemen				composites, Graphene and CNT- reinforced nanocomposites, Hybrid composites, Finite element method.
Optimization, Six Sigma, Process optimization, Statistical, Computational and Experimental Analysis/studies in Thermal and Fluids Engineering, Sustainable Energy. Computational heat transfer, Renewable energy (Solar, Wind), Battery Thermal management system. Thermo-Mechanical Characterization of Manufacturing Materials; Renewable and Sustainable Energy and Energy Storage (Geothermal, Hydrogen, MHD); MHD Heat transfer Flow characterization; Sensors Comparison of Pulsed and Cold Metal Transfer MIG, Microstructure property correlation of gradient materials developed by solid state additive manufacturing, Magnetic assisted resistance spot welding for joining materials similar and dissimilar focusing automobile sector Weterinary or Sciences/ Engineering Sciences/ Physical Sciences Agricultural Sciences Physical Sciences Agricultural Sciences Physical Sciences Physi				Medical Rehabilitation devices • Mechatronics and Robotics
energy (Solar, Wind), Battery Thermal management system. Thermo-Mechanical Characterization of Manufacturing Materials; Renewable and Sustainable Energy and Energy Storage (Geothermal, Hydrogen, MHD); MHD Heat transfer Flow characterization; Sensors Comparison of Pulsed and Cold Metal Transfer MIG, Microstructure property correlation of gradient materials developed by solid state additive manufacturing, Magnetic assisted resistance spot welding for joining materials similar and dissimilar focusing automobile sector Physical Sciences/ Chemical Sciences/ Mathematical Sciences/ Agricultural Sciences/ Physical Sciences or in any allied field. +B. Tech./ B. E. degree with 80% marks in CGPA (with GATE score >90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above, and the storage of the computational Biophysics/ Nano-				Optimization, Six Sigma, Process optimization, Statistical, Computational and Experimental Analysis/studies in Thermal and Fluids Engineering,
Manufacturing Materials; Renewable and Sustainable Energy and Energy Storage (Geothermal, Hydrogen, MHD); MHD Heat transfer Flow characterization; Sensors Comparison of Pulsed and Cold Metal Transfer MIG, Microstructure property correlation of gradient materials developed by solid state additive manufacturing, Magnetic assisted resistance spot welding for joining materials similar and dissimilar focusing automobile sector Matters in any branches of Life Sciences/ Physical Sciences/ Chemical Sciences/ Physical Sciences/ Agricultural Sciences/ Mathematical Sciences/ Agricultural Sciences/ Mathematical Sciences or in any allied field. +B. Tech./ B. E. degree with 80% marks in CGPA (with GATE score >90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above, additional medicinal Bioinformatics/ Computational Biophysics/ Nano-				energy (Solar, Wind), Battery Thermal management, Thermal management
Comparison of Pulsed and Cold Metal Transfer MIG, Microstructure property correlation of gradient materials developed by solid state additive manufacturing, Magnetic assisted resistance spot welding for joining materials similar and dissimilar focusing automobile sector 19. Molecular Biology & Biotechnology Masters in any branches of Life Sciences/ Physical Sciences/ Chemical Sciences/ Biotechnology Mathematical Sciences / Agricultural Sciences / Weterinary or Sciences/ Engineering Sciences / Hedical Sciences or in any allied field. +B. Tech./ B. E. degree with 80% marks in CGPA (with GATE score >90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above, and additional biophysics/ Nano- **Comparison of Pulsed and Cold Metal Transfer MIG, Microstructure property correlation of gradient materials developed by solid state additive manufacturing, Magnetic assisted resistance spot welding for joining materials similar and dissimilar focusing automobile sector **Cancer Biology** **Microbial biotechnology* **Venom biochemistry and antivenom* Information biology/ Cancer biology/ Traditional medicinal plants and their bioactivity **Molecular Genetics of Ocular/ Reproductive Disorder* Synthetic Biology **Structural** Siences/ Microbial biotechnology **Ocineral Biology** **Synthetic Biology** **Structural** Computational Biophysics/ Nano- **Traditional medicinal plants and their bioactivity **Microbial biotechnology* **Synthetic Biology** **Structural** Computational Biophysics/ Nano-				Manufacturing Materials; Renewable and Sustainable Energy and Energy Storage (Geothermal, Hydrogen, MHD); MHD Heat transfer Flow
19. Molecular Biology & Biotechnology Masters in any branches of Life Sciences/ Physical Sciences/ Chemical Sciences/ Mathematical Sciences/ Agricultural Sciences / Veterinary or Sciences/ Engineering Sciences/ Medical Sciences or in any allied field. +B. Tech./ B. E. degree with 80% marks in CGPA (with GATE score >90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above, and idetect beginning automobile sector • Cancer Biology • Wenom biochemistry and antivenom • Information biology/ Cancer biology/ Traditional medicinal plants and their bioactivity • Molecular Genetics of Ocular/ Reproductive Disorder • Synthetic Biology • Structural Bioinformatics/ Computational Biophysics/ Nano-				Comparison of Pulsed and Cold Metal Transfer MIG, Microstructure property correlation of gradient materials developed by solid state additive manufacturing, Magnetic assisted resistance spot welding for joining
19. Molecular Biology & Biotechnology Masters in any branches of Life Sciences/ Physical Sciences/ Chemical Sciences/ Mathematical Sciences/ Agricultural Sciences / Veterinary or Sciences/ Engineering Sciences/ Medical Sciences or in any allied field. +B. Tech./ B. E. degree with 80% marks in CGPA (with GATE score >90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above, computational Biophysics/ Nano-				
Mathematical Sciences/ Agricultural Sciences / Veterinary or Sciences/ Engineering Sciences/ Medical Sciences or in any allied field. +B. Tech./ B. E. degree with 80% marks in CGPA (with GATE score >90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above,	19.	0,5		
/ Veterinary or Sciences/ Engineering Sciences/ Medical Sciences or in any allied field. +B. Tech./ B. E. degree with 80% marks in CGPA (with GATE score >90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above, and idetect heritage and extending the science of the sci		Biotechnology	·	
in CGPA (with GATE score >90.00 percentile) in Chemical Engineering/ Chemical Sciences/ Bioinformatics or any allied field. MBBS or BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above, condidates having associated the good and only associated the second			/ Veterinary or Sciences/ Engineering Sciences/ Medical Sciences or in any allied	• Information biology/ Cancer biology/ Traditional medicinal plants and their
BVSc. Degree with at least 60% marks or equivalent CGPA. Apart from the above, condidates having associated the good and only in the conditional biophysics and the conditional biophysics and the conditional biophysics and the conditional biophysics are conditional biophysics.			in Chemical Engineering/ Chemical Sciences/	 Molecular Genetics of Ocular/ Reproductive Disorder
equivalent CGPA. Apart from the above, Computational Biophysics/ Nano-]
biointerface/ computational biology			candidates having consistently good academic	Computational Biophysics/ Nano- Biointerface/ Computational biology
• Virology & microbiology • Metabolic Disease Biology/ Type 2 Diabetes			record was be presented.	• Metabolic Disease Biology/ Type 2
Computational investigation on neurodegenerative disorder and protein aggregation and QSAR studies Genomics/ AI/ Drug discovery				 Computational investigation on neurodegenerative disorder and protein aggregation and QSAR studies Genomics/ AI/ Drug discovery
• Plants, Cell wall Remodeling/ Abiotic stress resistance.				·
20. Multi-Disciplinary Master's degree in any discipline with a • A Multidisciplinary Approach	20.			• A Multidisciplinary Approach
		Nestai Cii		

degree from abroad with a good academic career. Candidates with GATE, UGC/CSIR – JRF, UGC/CSIR-NET or NE-SET will be given preference.

B.Tech./BE with minimum 75% or equivalent grade will also be considered eligible for PhD admission. For candidates having more than 10 years of industrial experience, minimum marks may be relaxed.

- Economic Studies for Sustainable Tea Production
- Development of Smart Technologies (Integration of Smartphone, IoT, and Brainwave Sensors) for the Assessment of Mental Health Alert System and Study of its Impact on the population in Higher Educational Institutes
- Prediction of time-dependent plaque deposits in coronary arteries for individuals with variable arterial wall properties and blood compositions
- AI and IOT-controlled optimization of photovoltaic-thermal systems for efficient operations
- Artificial Intelligence Security and Law
- The Role of Large Language Models (LLMs) in Scientific Writing and Research Methodologies within Engineering Education
- Assessment of sustainable energy in tourism development
- Materials in Additive Manufacturing
- Techno-economic feasibility models of waste management
- Atmospheric gravity waves: Theoretical formalism and numerical simulation
- Atmospheric Science and Modelling
- Automatic identification of plant diseases using deep learning in precision agriculture
- Coding and Information theory
- Computational Finance and Data-Driven Decision Making
- Sustainable Finance, Climate Resilience, and Behavioral Dynamics for Inclusive Development
- Design for Resilience and Mental Health
- Development of Electrochemical Biosensor for Healthcare
- Development of hybrid MXene based bio lubricant for industrial applications in food processing and healthcare sectors
- Development of sustainable packaging foam from agro-waste
- Electricity price forecasting for electricity market management
- Electroactive polymeric composites for rechargeable energy storage devices
- Materials Science, Material Characterization, Metallurgy, Solid state Physics, Failure Analysis, Manufacturing, Artificial Intelligence (AI)
- Modelling and optimizing the effect of climate change on tea cultivation and harvesting

Decarbonization Techno-Socio-Economic multidisciplinary models for Sustainable Energy Storage in Electric mobility Harnessing Chaos for sustainable multidisciplinary applications Modulating Food Material Functionality and Rheology through Emerging Non-Thermal Processing NIR spectroscopy based Non-destructive analysis of biological material Yoga & Wellbeing Rural Development Material Science / Applied Mathematics / Nanoscience and Technology / Biotechnology / Environmental Science and Chemical Science, M.Sc. in Instrumentation. M.Phil., M.Tech. in Solid State Material / Material Science / Electronics/Energy / Nanoscience and Technology / Biotechnology / Environmental Science and Chemical Sciences. B.Tech. in Engineering Physics with 80% Decarbon-Socio-Economic multidisciplinary applications for Sustainable multidisciplinary applications Modulating Food Material Functionality and Rheology based Non-destructive analysis of biological material Yoga & Wellbeing Rural Development Astroparticle Astroparticle Mat. Photonics Photonics Nanophotonics Natronamy Microwave system Condensed matter theory Microwave system Condensed matter theory Material Science Plasma Physics	Decarbonization Techno-Socio-Economic multidisciplinary models Sustainable Energy Storage in Election multidisciplinary applications Harnessing Chaos for sustainate multidisciplinary applications Modulating Food Material Functiona and Rheology through Emerging N Thermal Processing NIR spectroscopy based N destructive analysis of biolog material Yoga & Wellbeing Rural Development Physics M.Sc. in Physics/ Electronics/ Geophysics/ Nanoscience and Technology/ Biotechnology/ Environmental Science and Chemical Science, M.Sc. in Instrumentation. M.Phil., M.Tech. in Solid State Material/ Material Science/ Electronics/Energy/ Nanoscience and Technology/ Biotechnology/			 Numerical Simulation, modelling of atmospheric dynamics Modelling and mechanical performance analysis of natural fibre-reinforced polymer composites Multidisciplinary areas connecting Finance and Accounting with Social Work, Sociology and Cultural Studies Nanotechnology, Sustainable food application, films and related areas Optical image processing Polymeric coating for Stealth Applications Polymer for Carbon Dioxide Sequestration and Utilization Waste Valorization in Food Systems Composite solar thermal energy storage characterization and application. Improved solar drying technology for rural applications Sustainable design and characterization of building materials Improved design of domestic gas burner/biomass cook stove for improvement of indoor air quality/users' respiratory health. Sustainable Thermal Energy Systems
marks in aggregate or equivalent CGPA. • Astroplasma Physics	B.Tech. in Engineering Physics with 80% Plasma Physics	21. Physics	Material Science/ Applied Mathematics/ Nanoscience and Technology/ Biotechnology Environmental Science and Chemical Science M.Sc. in Instrumentation. M.Phil., M.Tech. in Solid State Material Material Science/ Electronics/Energy/ Nanoscience and Technology/ Biotechnology Environmental Science and Chemical Sciences B.Tech. in Engineering Physics with 80%	rural applications Sustainable design and characterization of building materials Improved design of domestic gas burner/biomass cook stove for improvement of indoor air quality/users' respiratory health. Sustainable Thermal Energy Systems for Renewable Integration and Decarbonization Techno-Socio-Economic multidisciplinary models for Sustainable Energy Storage in Electric mobility Harnessing Chaos for sustainable multidisciplinary applications Modulating Food Material Functionality and Rheology through Emerging Non-Thermal Processing NIR spectroscopy based Non-destructive analysis of biological material Yoga & Wellbeing Rural Development Astrophysics High Energy Physics Astroparticle Mat. Photonics Photonics Nanophotonics Astronomy Microwave system Condensed matter theory Material Science Plasma Physics

22.	Social Work	MA in Social Work and allied Social Sciences such as Sociology, Psychology, Rural Development, Development Studies, Law, Public Health, Education and Management.	 Forest governance and conservation Human ecology Social movement Civil society institutions Non binary livelihood sector Social Work & Mental Health Psychosocial Care in Disaster Management, Street Children, and Application of Social Work Methods. Suicide Substance
23.	Centre for Women Studies	Master's degree with at least 55% marks in Women Studies/ Humanities/ Social Sciences with consistently good academic record. Candidates with Master's degree in Humanities and Social Sciences having one course in the area of women studies will be preferred.	Gender and Health and Women's History

FEE STRUCTURE ADMISSION TO Ph.D. PROGRAMME IN SPRING SEMESTER, 2026

Particular of Fee	Full Time (Hosteller)	Full Time (Non-Hosteller)	Part Time	TU Employee
A. Once at the time of admission	(Hostener)	(Non-Hosteller)	Time	Employee
Admission	600	600	600	600
Registration	150	150	150	150
	250	250	250	250
Identity card				
Convocation	1000	1000	1000	1000
Provisional certificate	100	100	100	100
Alumni Association	500	500	500	500
B. Per semester				
* Hostel admission/re-admission	3000			
Tuition	1500	1500	2000	2000
Library	400	400	400	
Students' activity	500	500	500	500
Medical	300	300	300	
Transport	1000	1000	1000	
Laboratory (including computer usage)	1050	1050	1050	1050
Research Fee	3000	3000	4000	4000
Infrastructure and amenity	1100	1100	1100	1100
Fan, Electricity and Water charge	400	400	400	400
Students' Welfare Fund	150	150	150	150
Departmental Development Fund	2500	2500	2500	2500
** Consumable Charge for the Dept. of Chemical Scs./MBBT/FET/Environmental Sc.	2000	2000	2000	2000
Menial Charge	1500			
*** Health Insurance (Below 30 years)	143	143		
C. Refundable Caution Deposit (Once at the time of Admission)				
Caution deposit (Library and Laboratory)	2000	2000	2000	2000
Hostel Caution deposit	3000			
Total fee to be paid by the students of the Dept. of Chemical Sc./MBBT//FET/Environmental Sc. at the time of Admission	26143	18643	20000	18300
Total fee to be paid by the students of other Departments at the time of admission.	24143	16643	18000	16300

Note: Hostel Fee to be paid when Hostel Seat is allotted on separate application.

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^{*} SC/ST candidates are exempted from the paying the hostel seat rent of Rs. 675/-.

^{**} Consumable Charge is to be paid by the Ph.D. students admitted in the Dept. of Chemical Science/Molecular Biology and Biotechnology/Food Engineering and Technology/ Environmental Science.

^{***} Students above 30 Years of age are not covered in this Health Insurance Scheme.