



TEZPUR UNIVERSITY

(A Central University)

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TEZPUR-784028 :: ASSAM

ADMISSION ANNOUNCEMENT

(Academic year 2020-21)

F.11-3 /5 /2003(Acad)/2207

Dated the 24th February,2020

Online applications are invited from eligible candidates for admission to the following programmes of study for the academic year 2020-21:

Category I: Admission based on the Entrance Examinations to be conducted by TUEE:

Programmes of study:

- 1) 8-semester Integrated B.Sc. B.Ed. (Major in Physics /Chemistry / Mathematics)
- 2) 10-semester Integrated M. Sc. in Physics/ Chemistry/ Mathematics/ Life Science (with a provision of lateral exit after successful completion of 6th semester with BSc degree)
- 3) 10-semester Integrated M. A. in English (with a provision of lateral exit after successful completion of 6th semester with B.A degree)
- 4) 10-semester Integrated M.Com. (with a provision of lateral exit after successful completion of 6th semester with B.Com. degree)
- 5) 4-semester M. A. in English / Linguistics & Language Technology / Cultural Studies / Sociology / Mass Communication and Journalism / Communication for Development / Hindi /Social Work/ Education/Assamese

- 6) 4-semesters M.Sc. in Mathematics / Chemistry / Physics / Environmental Science / Molecular Biology and Biotechnology
- 7) 4-semesters M.Tech. in Civil Engineering / Computer Science and Engineering / Information Technology / Food Engineering & Technology / Electronics Design & Technology / Bioelectronics / Energy Technology/Mechanical Engineering,
- 8) 6-semesters Master of Computer Application (MCA)
- 9) 4-semesters Master of Law (L.L.M)
- 10) 4-semesters Master of Commerce (M.Com.)
- 11) 4-semesters Master of Tourism and Travel Management (MTTM),
- 12) 4-semesters Bachelor of Education (B.Ed.)
- 13) 2-semesters P.G. Diploma in Translation (Hindi) / Women Studies / Child Rights and Governance
- 14) 2-semesters Certificate in Chinese programme
- 15) 6-semesters B.Tech. with lateral Entry in (i) Electrical and (ii) Food Engineering and Technology.

Category II: Admission based on All India Ranking (CRL) of JEE (Main)

Programmes of study: B.Tech. in (i) Civil Engineering, (ii) Computer Science & Engineering, (iii) Electronics and Communication Engineering, (iv) Electrical Engineering, (v) Food Engineering & Technology and (vi) Mechanical Engineering.

Candidates for admission to B. Tech will be selected on the basis of All India Rank (CRL) of the JEE (Main) conducted by the NTA (for details please visit JEE website: www.jeemain.nic.in).

Sixty percent of the total seats will be filled up from the candidates of NE states. Candidates of NE states may apply against the seats reserved for the North East (NE) states for

which the candidates will be required to produce Permanent Residence Certificate (PRC) issued by the Competent Authority of any NE state. Counseling and admission of the shortlisted candidates will be held at Tezpur University. Admission to the remaining seats will be made through the Central Counseling conducted by the JoSAA.

Category III: (i) Direct Admission to Integrated and B.Tech programmes (Rank Holder) :

Candidates of NE states securing any of the top 5 positions in the Higher Secondary Examinations conducted by the Council of the NE states with an aggregate marks of 85% or above will be directly admitted to (a) the 10-semesters Integrated M.Sc./ M.A./ M. Com. programme, (b) 8-semesters Integrated B.Sc. B.Ed. programme and (c) B.Tech. programmes as per their preferences. The candidates of B. Tech. programme will be required to qualify JEE (Main) and their counseling and admission will be made as per CRL Rank of JEE (Main). Such candidates may apply in the prescribed application form separately after declaration of their results of 10+2 examinations conducted by the Council. Candidates passed out from CBSE will not be considered for the direct admission.

(ii) Direct Admission to M. Tech. programme:

A certain number of candidates will be admitted directly to the M.Tech. Programme mentioned in the Category I (7) based on the valid GATE score. Prospectus may be referred to for exact number of seats for admissions to M.Tech through GATE and TUEE.

Category D : PhD Offering Departments/ Centres: Admission based on the Entrance Examinations and Personal Interview :

- (i) **Departments under School of Sciences:** Chemical Sciences, Environmental Science, Molecular Biology & Biotechnology, Mathematical Sciences, Physics.
- (ii) **Departments under School of Engineering:** Computer Science & Engineering, Civil Engineering, Electronics & Communication Engineering, Electrical Engineering, Energy, Food Engineering & Technology, Mechanical Engineering.
- (iii) **Departments under School of Management Sciences:** Business Administration and Commerce.
- (iv) **Departments under School of Humanities and Social Sciences:** English, Cultural Studies, Hindi, Mass Communication and Journalism, Education, Sociology and Centre for Women Studies.

Candidates to the PhD programmes will be selected for admission on the basis of Written Examination and Personal Interview. However, candidates with UGC-(NET/JRF)/UGC-CSIR(NET/JRF)/DBT-JRF/ICMR-JRF/ICAR-NET/GATE/ SLET / M.Phil. will be exempted from appearing in the Written Examination, however, and they will be required to appear in the Personal Interview. The University Entrance Examination will be conducted in different designated examination centres; however, Personal Interview (PI) will be conducted in the respective Departments. **Pre-Requisites and area of research of the Ph.D. programme** are given below.

Reservation and relaxation: As per Govt. of India Rules.

Sports quota: The University reserved 5 seats with not more than one seat per Department on Supernumerary

basis for the candidates who have participated National/International sports events. However, they will have to satisfy eligibility criteria and appear in the Entrance Examination.

Examination Centres: There are 27 examination centres covering major cities all over India. The applicant can appear in the entrance examination at any one of the Centres. The University will also conduct the entrance Examinations in **Kathmandu** (Nepal), **Thimpu** (Bhutan) and **Dhaka**(Bangladesh).

How to apply:

Interested eligible candidates may **Apply Online** through the link: <http://www.tezuadmissions.in> by paying the application fee through Debit card/ Credit card/ Net banking @ Rs. 800/- per candidate (Rs. 400/- for SC, ST and PWD candidates).

Important dates:

- Display of online application form (except B. Tech) : 25.02.2020
- Last date of submission of online application : 07.04.2020

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Pre-Requisite, area of research and intake for admission in to various disciplines of Ph. D. programmes (Autumn Semester 2020)

A. UGC eligibility criteria in the Prospectus may be referred to.

B. Pre-requisites and area of research:

Sl. No	Department	Pre-requisite	Area of Research
1	Business Administration	MBA., M.Com. , M.A. / M.Sc. in Economics, M.A. in Psychology/ Sociology/Social Work/ Cultural Studies, MCA , M.T.M. / M.T.A. FCA/ FCS/ FICWA.	Services Marketing/Tourism Marketing/Financial Management ,General Management/Accounting , Taxation/Tourism, Marketing, Consumer Behavior, Advertising/Change Management and Human Resource Management, Organization Behavior/Business Optimization, Operations, Quality, Operation in Tourism/Finance, Agri Business, Rural Development, Micro Finance, Capital Market/HR Management, Marketing, Rural Development, General Management/Intellectual Property Right, Supply Chain Management, Community Based Tourism.
2	Chandraprabha Saikiani Centre for Women Studies	Masters degree with at least 55% marks in Women Studies/ Humanities/ Social Sciences with consistently good academic record. Candidates with Masters degree in Humanities and Social Sciences having one course in the area of women studies will be preferred.	Women's History, Women and Culture and Women and Governance.
3	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.).	Electro catalyst & Polymer/Polymer Chemistry/ Physical Chemistry, Water Purification, Nanocomposites/ Computational Inorganic/ Organometallic Chemistry.
4	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/Environmental Engineering

5	Commerce	1. M.Com., 2. M.A./M.Sc. in Economics, 3. FCA/ FCMA/ FCS.	Accounting and Auditing, Microfinance/Financial development , Econometrics, Development Economics.
6	Computer Science & Engineering	M.Tech. in Computer Science/ I.T./ Electronics MCA M.Sc. in Computer Science/ I.T. 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.	Software Define Network/ Bioinformatics & Network Security/Computational Linguistics/Natural Language Processing, Speech processing/ Wireless Networks, Cognitive Radio Networks/Data Mining, Image Processing/ Pattern Recognition, Machine Learning/ Data Science/Algorithms/ Remote sensing. Image Analysis/ Bioinformatics, Computational Biology/Cognitive Radio Network, Resource Allocation in CRN,5G, Internet of Things/Blockchain, Network Security/Software-Defined Networking/Trust & Reputation, Machine 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.	Cultural Theory, Contemporary Culture, Comparative Literature, Translation, Cultural memory and history/Heritage studies, Cinema, Popular Culture, Digital Culture/Anthropology of textile and food Ethnicity, Medical Anthropology/Indian Poetics, performance studies, women Studies/ /Cultural memory, Folklore/Culture& media/Visual Culture.
8	Education	Post Graduate in Education or in any allied discipline/subjects with 55% marks.	Curriculum Studies, Teacher Education, Educational Planning and Administration/Educational Technology, Social Sciences Education & Contemporary Issues/ Science Education, Educational Psychology, Special Education/ ICT in Education/Teaching of Biological Sciences, Educational Psychology .
9	Electrical Engineering	(a) ME/MTech/MS/ in Electrical/ Electronics/Communication/ Power System/Power Electronics/ Instrumentation/Control/ Computer Science & Engineering/ MBBS with MD/MS and any other relevant discipline. (b) BE/BTech with 75% marks in aggregate or equivalent CGPA with	Control Systems, Chaos in biomedical applications and biological systems, Nanotechnology Fractional Order Systems, Waste water management/ Sensors & Sensing Technology, Sensor fabrication, Electronics Instrumentation, Wireless Sensors,

		a valid GATE Score. Minimum two recommendation Letters from the Institute/ University from where B.E./B.Tech degree was obtained.	Health monitoring and Food Processing.
10	Electronics & communication Technology	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. M.Sc. in Electronics/ Physics/ Applied Mathematics. MCA with Physics, Chemistry and Mathematics in Bachelor degree, MBBS with MD/ MS degree. 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.	Image Processing, Computer vision and deep learning for signal processing/ Image Processing/Biosensor, Neuro-engineering/ Robotics, Biomedical Signal Processing/ Bioelectronics/Nano biosensor, Optional Sensing.
11	Energy	M.Sc. / M.E. / M.Tech. degree in Energy Technology/ Energy Management/Energy related Engineering and Technology/ Physics/ Chemistry/Agriculture Allied subjects.	Rural Energy Systems, Bio CNG,IOT in Bioenergy/Microbial Biofuel, Catalytic Transformation of Biomass to Biofuel/Biofuel and Bioenergy/Building Energy, Thermal Comfort, Decentralized Energy Systems/Hybrid Energy Systems, Instrumentation and Control/Fuel Cell, Hydrogen, Graphene/Solar Systems, Nanofluids Health Monitoring & Food Processing, Nano Structure Sensor Technology.
12	English	M.A. in English (specialization may be in Literature, English Language Teaching or Linguistics), M.A. in Linguistics.	Indian Writing in English/ELT/Gender/Life or Travel Writing/Acoustic Phonetics, Prosodic Phonology, Computational Linguistics, Language Documentation.
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.	Atmospheric chemistry, chemistry of aerosol, source apportionment studies, PAHs. Atmospheric Processes: Air pollution Meteorology, Noise pollution monitoring and modelling, Environmental System Modelling & Urban climate. Machine learning approach to environmental system, neurofuzzy systems. River morphology and

			<p>landforms, riverine hazards; Geochemistry of river basins & hydrogeochemistry. Climate studies (Urban climate, Urban Heat 14Island); Coupling study between hydro-geomorphic processes and ecology, geomorphic response to climate change. Environmental Pollution: Air, Water and Soil & Human-environment interactions, Socio-environmental issues (Vulnerability and Risk Assessment), Solid waste management. Ecology, Ecosystem function and dynamics, Wetland productivity. Entomology, Biodiversity conservation. Environmental physiology, Stress physiology & GHG emission from agricultural sector, Vermi-culture, plant nutrition & soil fertility management. Application of Remote Sensing and GIS techniques to atmospheric, hydro-geomorphic, vegetation studies and socio-environmental issues. Geostatistics, Pollution Indexing, Nano biotechnology.</p>
14	Food Engineering and Technology	<p>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, 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</p>	<p>Nanotechnology / Food chemistry, Food quality / Food process modelling, Computation in food engineering, Food machines / Food Process Engineering / Biochemical Engineering, Starch technology / Food Packaging / Functional food, sensor and functional nanomaterial / Delivery system, Food nutrition, Functional and nutraceutical food, Food microbiology and biotechnology.</p>

		recommendation Letters from the Institute/University from where B.E./B.Tech degree was obtained.	
15	Hindi	M.A. in Hindi	Linguistics, Poetry & Journalism, Fiction & Adhunik Sahitya
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.	Journalism, Development Communication, Science Communication.
17	Mathematical Sciences	M.A. / M.Sc. in Mathematics or M.A./M.Sc. in Statistics with requisite background in Mathematics.	Number Theory/Functional Analysis and Operator Theory/Graphs and Matrices /Computational Fluid Dynamics/Differential Equations /Algebraic Graph Theory/
18	Mechanical Engineering	M.E. / M.Tech. / M.Sc. (Engg.) in Mechanical Engg. or allied areas. 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.	Thermodynamic Analysis of Multi generation Systems/ Design/Optimization/ Thermal, Renewable Energy, Drying Technology/Numerical methods for high-speed-flow computations/ Graphene based Nanocomposites/ Element Method, Soft Computing modelling in Design and Manufacturing/ Design and manufacturing, System Design, Mechatronic System, Finite
19	Molecular Biology and 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	Snake venom, proteomics, cardiovascular drug/Plant Pathogenic Bacteria and Bacterial wilt, Molecular Evolution/Microbial Biotechnology/ Cancer Biology/Scientific validation of traditional medicine, Bioremediation, MEOR, Precision Nutrition/Plant Microbe interaction, Environmental biotechnology/Human Molecular Genetics and Synthetic Biology/Computational Biophysics/Inflammation Biology, Cancer and ribosomal Proteins /Molecular Virology and scrub typhus /Protein aggregation,

		above, candidates having consistently good academic record will be preferred.	Intrinsically Disordered Proteins, Bioinformatics/Plant Microbiology, Plant Biochemistry, Medicinal Plants/ Systems Biology, Bioinformatics/ Genomics.
20	Physics	M.Sc. in Physics/ Electronics/ Geophysics/ Material Science/ Applied Mathematics/ Nanoscience and Technology/ Biotechnology/ Environmental Science and Chemical Science. 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% marks in aggregate or equivalent CGPA.	High Energy Physics/Physics of Materials, Nanotechnology/ Condensed Matter Physics, Materials Science/ High Energy Physics/Photonics & Nano photonics /H.E.P/Optoelectronics/ Cosmic Ray Astroparticle & Detectors/ Nanoscience & CMP/Ab- Initio Problem(DFT)/ Microwave absorbers, antennas and devices/ Astro & Plasma Physics.
21	Sociology	Post Graduation in Sociology / Cultural Studies/ Anthropology (with specialization in Social Anthropology) / Economics / History / Political Science / Philosophy / Mass Communication / English / Law / Management/ Social Work.	Sociology of Movement, Agrarian Sociology/Development, Environment, Migration, Agrarian Studies, Identity Politics, Social Movements, Urbanization/Research Methodology, Gender and Society, Sociology of Northeast India, Tribal Studies/Sociology of Development, Sociology of Health and Illness, Sociology of Governance/Social Stigma and Exclusion, Sociology of Body, Sexuality/Sociology of Education, Identity of Politics, Multiculturalism/Gender Studies, Land and Livelihood/Sociology of Religion, Environmental Sociology, Sociology of Music/Sociology of Science and Sociology of India.

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