



# TEZPUR UNIVERSITY

(A Central University established by an Act of Parliament)

TEZPUR – 784 028

No. F.11-3/4/2003 (Acad)/ 1515

Dated 05.11.2018

## **ADMISSION NOTICE**

### **Ph.D. (Spring Semester) Programme- 2019**

Online applications are invited from eligible candidates having valid UGC-NET/JRF, UGC-CSIR NET/JRF, DBT-JRF, ICAR-NET, ICMR-JRF and GATE for admission into the Ph.D. programme (Spring Semester – 2019) in the following departments:

Business Administration, Chemical Sciences, Computer Science & Engineering, Cultural Studies, Electronics & Communication Engineering, Energy, Environmental Science, English and Foreign Languages, Food Engineering & Technology, Mathematical Sciences, Molecular Biology & Biotechnology, Physics and Sociology.

Please click for “[Pre-Requisites and area of research](#)” and “[Fee Structure](#)”.

Selection will be made on the basis of performance in the Personal Interview to be conducted by the concerned department. Reservation of seats and relaxation of marks will be as per Govt. of India rules.

**How to apply** : Candidates are required to apply online through the link [www.tezuadmissions.com](http://www.tezuadmissions.com) by paying application fee of Rs.800/- for the candidates of General and OBC category (Rs.400/- for SC ST 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 website carefully while filing up the online application form.

#### **Important dates:**

- Date of display of online application form on the website : 05.11.2018
- Last date of submission of online applications : 22.11.2018
- Date of Personal Interview in the concerned department : 14.12.2018

**Note** : The candidates shortlisted for Personal Interview in the Autumn Semester, 2018 on the basis of entrance examinations conducted in Autumn Semester, 2018 including those who could not attend the Personal Interview will be notified separately by the concerned Department on the TU website: [www.tezu.ernet.in](http://www.tezu.ernet.in) for the Personal Interview and admission.

( Dr. L. Boral)  
Controller of Examinations  
Tezpur University

## Pre-Requisite, area of research and intake for admission in to various disciplines of Ph. D. programmes (Spring Semester 2019)

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	Intake
1	Business Administration	M.B.A. , 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.	Service Marketing/Tourism Marketing, Financial Management, Financial Markets and Development Finance, Tourism, Marketing, Change Management and Human Resource Management, Organization Behavior, Business Optimization, Operations, Quality, Operation in Tourism , Rural Development, Entrepreneurship Development, Tourism, Finance, Agri Business, Rural Development.	11
2	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 Defined Network, Bioinformatics & Network Security, Computational Trust, Social Networks, Computational Linguistics, Natural Languages Processing & Speech Processing, Cognitive Radio Network, Wireless Networks, Data Mining, Image Processing, Remote Sensing, Pattern Recognition , Machine Learning, Algorithmic Remote Sensing, Algorithmic, Computational Biology & Bioinformatics.	15
3	Electronics & communication Technology	M.E. / M.Tech. / M.Sc. Engg. / M.S. in Electronics/ Communication/ Electronics	Biomedical Embedded Systems, Clinical Instrumentation & Sensors, Bioelectronics, Power	07

		<p>Design/ Electrical/ Instrumentation/ Control/ Microwave/ Biomedical/ Bioelectronics/ Bio - Technology/ Computer Science/ Information Technology.</p> <p>M.Sc. in Electronics/ Physics/ Applied Mathematics.</p> <p>MCA with Physics, Chemistry and Mathematics in Bachelor degree, MBBS with MD/ MS degree.</p> <p>B.E. / B.Tech with 75% marks in aggregate or equivalent CGPA with a valid GATE Score.</p> <p>Minimum two recommendation Letters from the Institute/ University from where B.E./ B.Tech degree was obtained.</p>	<p>Electronics, Neuroengineering, Robotics, Biomedical Signal Processing, Opto-electronics devices.</p>	
4	Energy	<p>M.Sc. / M.E. / M.Tech. degree in Energy Technology/ Energy Management/Energy related Engineering and Technology/ Physics/ Chemistry/Agriculture Allied subjects.</p>	<p>Energy Management, Bio-Fuel, Bioenergy, Solar Energy, Hybrid Energy System, Fuel cells, Hydrogen technology.</p>	05
5	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,</p>	<p>Starch technology, Enzyme technology, Food Processing &amp; Modelling, Dairy Product Development, Indian Traditional Products, Food packaging, Extraction of bioactive components, Food Process Modelling, Dairy Engineering, Non thermal Processing, Biosensor, Plasma process, Food process Engineering Fruits &amp; vegetable processing.</p>	12

		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.		
6	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.	Culture and Memory, Digital Culture	02
7	English and Foreign Languages	M.A. in English (specialization may be in Literature, English Language Teaching or Linguistics), M.A. in Linguistics .	Curriculum Development, Materials Production, Language Policy, Multilingualism.	01
8	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.	Outmigration, Urbanization, Development, Environment, Agrarian Studies, Tribal Studies, Marginalization and Marginalized Communities, Social Movements, Agrarian Sociology, Sociology of Marginalized Groups, Sociology of Religion, Identity Politics, North East Studies.	04

9	Chemical Sciences	M.Sc. in all branches of Chemical Science/ Physics/Nano science/ Material Science/ iotechnology/ Biochemistry/ Environmental Science. M.E./M.Tech. in allied subjects (Chemical Engineering/ Polymer Technology/ Material Sciences/ Environmental Engineering etc.).	Polymer Science, Physical/Inorganic/Organic/ Pharmaceutical Chemistry, Polymer Nanocomposite. Catalysis, Theoretical Chemistry, Ionic Liquid/ Organic Synthesis, Computational Inorganic/ Organometallic Chemistry, Biosensors & Electrochemical Sensors.	16
10	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.	Air pollution, VOC, NOx & Ozone chemistry, Environmental Law and Environmental issues, Riverine hazards, landforms, Socio-environmental issues, Ecology, Biodiversity conservation. Vermiculture, Plant Nutrition & Soil Fertility Management.	04
11	Mathematical Sciences	M.A. / M.Sc. in Mathematics/ Statistics/ Physics/ Computational Seismology/ Economics with requisite background in Mathematics.	Graphs and Matrices, Computational Fluid Dynamics, Algebraic Graph Theory, Coding Theory.	04
12	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 above, candidates having consistently good	Petroleum Biotechnology, Plant Biotechnology, Genetic Engineering and Metagenomics, Bioenergy, Snake Venom Biochemistry and Microbial Biotechnology, Innate Immunity and Immunogenetics (Heterogeneity and Evolution of Immune Responses), Probiotics and Nutrition, Microbial Biofilm, Enzymology and Bioprocess Engineering, Petroleum Biotechnology and Traditional Medicine system, Plant pathogen interactions, Nanobiotechnology, Environmental Engineering, Computational Biophysics,	21

		academic record will be preferred.	Bioinformatics, Molecular Biology of Rotavirus, Computational Biotechnology, Plant Sciences, Seed Germination, Production of anticancer compounds using plant tissue culture, Evolutionary Genomics , Systems Biology , Big-data in Biology , Structural Systems Biology , Systems Medicine.	
13	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.	Condensed matter Physics, CMP & Nanotechnology, High Energy Physics, Optoelectronics & Computation.	07

**FEE STRUCTURE FOR Ph.D. STUDENTS TO BE ADMITTED IN SPRING SEMESTER, 2019)**

<b>Particular Fee</b>	<b>Mode</b>	<b>Full Time (Hosteller)</b>	<b>Full Time: (Non-hosteller)</b>	<b>Part Time</b>	<b>TU Employee</b>
Admission	Once on admission	500	500	500	500
Registration	Once on admission	150	150	150	150
Identity card	Once on admission	50	50	50	50
Convocation	Once on admission	500	500	500	500
Provisional certificate	Once on admission	100	100	100	100
Alumni Association	Once on admission	500	500	500	500
Caution deposit (Library and Laboratory)	Once on admission	2000	2000	2000	2000
Hostel Caution deposit	Once on admission	3000	-	-	-
Hostel Mess Advance	Once on admission (in case of Hostel boarder)	1500	-	-	-
* Hostel admission/re-admission (Single seater for Ph.D. students)	Per semester (in case of Hostel boarder)	3000	-	-	-
Tuition	Per semester	1500	1500	2000	2000
Library	Per semester	350	350	350	
Students' activity	Per semester	500	500	500	500
Medical	Per Semester	250	250	250	
Transport	Per semester	1000	1000	1000	
Laboratory (including computer usage)	Per semester	1000	1000	1000	1000
Research Fee	Per semester	3000	3000	4000	4000
Infrastructure and amenity	Per semester	1000	1000	1000	1000
Fan, Electricity and Water charge	Per semester	300	300	300	300
Students' Welfare Fund	Per semester	150	150	150	150
Development Fund	Per semester	1500	1500	1500	1500
**Consumable Charge	Per semester	2000	2000	2000	2000
Menial Charge	Per Semester	1500	-	-	-
*** Health Insurance	Per semester	143	143	-	-
<b>Total fee to be paid by the students of the Dept. of Chemical Sc./MBBT//FET/ Environmental Sc. at the time of admission</b>		<b>25493</b>	<b>16493</b>	<b>17850</b>	<b>16250</b>
<b>Total fee to be paid by the students of other departments at the time of admission.</b>		<b>23493</b>	<b>14493</b>	<b>15850</b>	<b>14250</b>

\* 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/MBBT//FET/ Environmental Science.

\*\*\* Students above 30 years of age are not covered in this scheme.

Controller of Examinations