



Tezpur University

No.F.13-29/1/2019(Acad)/411

Dated : 27.5.2019

Notification for Admission to PhD Programme at Queen's University Belfast (Sponsored under MoU between Queen's University Belfast and Tezpur University)

Applications are invited from qualified candidates for admission to PhD programme at Queen's University Belfast (QUB) starting in September 2019, in the tentative areas listed below. The candidate must be permanent resident of the NE region of India. The selected candidates will receive sponsorship for carrying out doctoral research under joint supervision of QUB and Tezpur University (TU) faculty with part of the stay at QUB and part at TU. Application in prescribed format are to be sent by email to: gub.phd@tezu.ernet.in on or before the midnight of 16th June 2019. Hardcopy of the application is to be submitted with all supporting documents on the day of the written test.

Minimum Qualification:

- 60% or equivalent at UG and PG level and 70% in average or equivalent at 10+2 level.
- Proficiency in English

Areas/ Tentative Topic	Qualifying Degree
Ion Acceleration and Related Phenomena in Laser-Plasma Interaction	M. Sc. in Physics or Allied Areas
Metal Organic Frameworks (MOFs) Based Visible Light Active Photocatalyst for Water Splitting	M. Sc. in Physics or Allied Areas
Site-directed Polymer Drug Delivery Systems Against Cancer	ME/ M. Tech/ M. Sc in Food Engineering/ Technology/ Bio Process/ Biochemical/ Biotechnology/ Microbiology/ Bioscience
Ultrasonication and heat moisture treatment of wholegrain brown rice for improved eating quality and health benefitting properties	ME/ M. Tech/ M. Sc in Food Engineering/ Technology
Additive manufacturing: Investigation of the effect of mix composition on the rheological properties, mechanical performance, durability and structural behaviour of 3D printing concrete	ME/ M. Tech in Civil Engineering
Novel Integration of Waste Streams into Traditional (Low-tech/ accessible) Building Processes in the NE Region of India.	ME/ M. Tech in Civil Engineering
Upcycling Biomass Resources to Support Sustainability.	ME/ M. Tech in Energy / Chemical Engineering/ Technology
Experimental and theoretical studies on effect of various contaminants on the performance and durability of Polymer Electrolyte Fuel Cells	ME/ M. Tech/ M. Sc in Energy / Chemical Sc./ Engineering/ Technology

Evaluation of Utilizing Biofuels for Electricity Generation in India	ME/ M. Tech in Energy, Chemical/ Electrical/ Mechanical Engineering/ Technology
Machine Learning for Detecting Untruthful Health-related Information	ME/ M. Tech in Computer Sc. or Allied Areas
Random Matrix Inference Framework for Big-Data Analytics	ME/ M. Tech in Computer Sc. or Allied Areas
Sustainable Smart Polymer Nanocomposites for Multifaceted Applications	ME/ M. Tech/ M. Sc in Chemistry/ Polymer Sc. and allied areas
Catalytically Active Bulk Nanomaterials Based on Assembled Nanoparticle Arrays	ME/ M. Tech/ M. Sc. in Chemistry/ Chemical Sc/ Eng./ Material Sc./ Polymer Sc./ Nanoscience/Technology
Design and Productionisation of Aerodynamic Bearings using Foil and Hybrid Air Bearing Technology for High Speed Turbo-machinery	ME/ M. Tech in Mechanical Engineering (Fluid Dynamics, Energy System Modelling, Turbo machinery)
Design of an After-treatment Catalyst System for SOFC Applications	ME/ M. Tech in Mechanical Engineering (Thermal and Fluid Engineering)
Determining Parameters that Form the Basis of Classification of VPK According to Ayurvedic Sciences.	ME/ M. Tech/ M. Sc in Biotechnology/ Biology/ Life Science with knowledge of Animal Physiology and Biochemistry
Microstrip Antenna Arrays for Wireless Power Transfer	ME/ M. Tech in Electronics and Communication Engineering or Allied Areas
Super Resolution in Millimetre-wave Compressive Computational Imaging	ME/ M. Tech in Electronics and Communication Engineering or Allied Areas

Last Date of Receipt of Applications by email: 16th June 2019

Written Test and Personal Interview for short listed candidates: 25-26th June 2019

Selected candidate will need to sign a bond to serve in the NE region for a minimum of five years after completion of PhD.

Sd/-L. Boral
Controller of Examinations

TEZPUR UNIVERSITY
NAPAAM, TEZPUR- 784 028, ASSAM



*Affix a
Self-attested
Passport size
Photograph*

APPLICATION FORM

For admission to PhD Programme at Queen's University Belfast

1. Preferred Topic/ Area for PhD (in order of preference) from the list of notification:
 - a.
 - b.

(Attach a note on your perception on the relevance of the topic/ area and the challenges)

2. Name of the candidate in full:
3. (a) Category:
(General/SC/ST/OBC(NCL)/OBC):
- (b) If a person with disability (PWD), details:
4. (a) Father's Name:
- (b) Mother's Name:
5. (a) Correspondence Address:
.....
.....

6. Permanent Address:
-
-
7. (a) Contact telephone number: i. Mobile: ii. Alternate No.:
- (b) Active-email id:
8. Are you a permanent resident of the NE Region? (Yes/ No)
If yes, enclose Permanent Resident Certificate in prescribed format
9. State of domicile:
10. Place of residence:
11. Date of birth (dd-mm-yyyy):
12. Gender: Male/ Female/ Other
13. Marital status: Married/ Single
14. Employed: Yes/ No
If yes, enclose no objection certificate from the employer
15. Educational Qualifications: (starting from 10th standard or equivalent):

Name of Exam passed	Name of Board/ University/ Institute	Year of Passing/ Appeared	Subjects taken (including Honours/ Major, if any)	Percentage of marks/ CGPA	Remarks
10 th Std.					
(10+2) th Std.					

16. Academic distinction/ Medals/ Prizes, if any
17. Specialized academic training (if any):
18. Any other information worth mentioning, including publication:

19. Were you
- (a) Debarred from any examination? (Yes/ No)
 - (b) Faced disciplinary action for any misconduct? (Yes/ No)
 - (c) If Yes, in (a) or (b) above, please furnish details
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20. Declaration to be signed by the candidate:

I, Declare that I shall abide by the Statutes, Ordinances, Rules, and Orders etc. of the University that will be in force from time to time. I will submit myself to the disciplinary jurisdiction of the authorities of the University who may be vested with such power under the Acts, Statutes, Ordinances and the Rules that have been framed thereunder by the University.

I also declare that the information given above are true and complete to the best of my knowledge and belief, and if any of it is found to be incorrect, my admission shall liable to be cancelled and I shall be liable to such disciplinary action as may be decided by the University.

Place:

Signature of the Candidate

Date:

Enclosures check list:

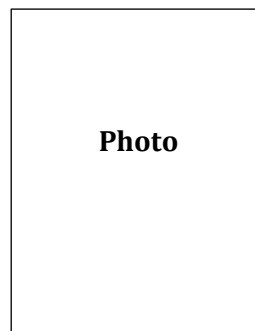
1. Permanent Resident Certificate in prescribed format.
2. Self-attested photocopies of degree/ diploma certificates.
3. Self-attested photocopies of degree/ diploma mark/ grade sheets.
4. No Objection Certificate from employer in prescribed format, if employed.
5. Self-attested photocopies of SC/ ST/ OBC(NCL)/ PWD certificates.
6. Documentary evidences of any other claims of achievements, self-attested.

Prescribed Format of PRC/As per Government Format

**GOVT. OF (ASSAM/ MEGHALAYA/ ...)
OFFICE OF THE DEPUTY COMMISSIONER**

Ref Petition No. Date:.....

PERMANENT RESIDENCE CERTIFICATE



Seal of the issuing
office

Certified

..... son/ daughter of
..... and
..... of Village/Town/Path/Street
..... under Mauza/ Circle
....., under..... Police station
is the permanent resident of district in the state
of (India).

Seal

Deputy Commissioner

Format for No Objection Certificate for PhD programme

(The letter should be typed on the official letterhead of the employer and signed by the Head of the organization)

No Objection Certificate for Admission to PhD programme

To
The Registrar
Tezpur University

Sub: No objection Certification of Mr./ Ms._____ for PhD programme at Queen's University Belfast under the MoU between Tezpur University and Queen's University Belfast.

Dear Sir/Madam,

Mr./Ms. _____ has been working in this organization as _____ since _____. This organization has no objection to his/her being admitted to the PhD programme at Queen's University Belfast under the MoU between Tezpur University and Queen's University Belfast from the session starting from _____ as a full time student. The employee will be relieved of his/her duties in the organization for the duration of the PhD programme.

Date:

Signature:

Place:

Name:

Official Seal of the employer