



Tezpur University

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

Dated : 13.10.2020

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

In partial modification in the notification No. F.13-29/1/2019(Acad)/ 847 dated 8.10.2020, applications are invited from qualified candidates for admission to PhD programme at Queen's University Belfast (QUB) starting in January 2021, 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 is to be sent by email to: qub.phd@tezu.ernet.in on or before the midnight of 24.10.2020. 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

Fellowship: Tentatively 12nos, for a period of 3 years.

	Areas/Tentative Topic	Qualifying Degree
1	A Controlled Power Electronics Interface for Dispersed Renewable Energy Resources	M. Tech in Electrical Engineering/ Energy Technology or equivalent
2	Advanced materials for sustainable agri-food applications	M. Tech/ M. Sc in Chemistry/ Environmental Sciences/ Food Engineering or equivalent
3	Humanizing Exploratory Analytics: Fairness in Machine Learning	M. Tech in Computer Science and Engineering or equivalent
4	A Machine Learning Approach to HIV Vaccine Design	M. Tech/ M. Sc in Molecular Biology and Biotechnology/ M. Tech in Computer Science and Engineering or equivalent
5	Numerical and experimental studies of the structural performance of 3D-textile/woven-based composite materials and structures	M. Tech/ M. Sc in Chemistry or equivalent
6	Design of supported ionic liquid catalysts for the synthesis of 5 substituted tetrazoles	M. Tech/ M. Sc in Chemistry or equivalent
7	Integrated Dynamic Analysis of Offshore Solar System	M. Tech in Energy Technology or equivalent
8	Robust Optimal Control of Wave Energy Converter	M. Tech in Energy Technology or equivalent
9	Novel in-situ Investigations into Reversibility of	M. Tech/ M. Sc in Chemistry /MSc in

	Metal-air Batteries	Physics or equivalent
10	Bio-based textile reinforced mortar (bio-TRM) composites for structural strengthening (Advanced materials)	M. Tech in Civil Engineering or equivalent
11	Machine Learning for pattern detection in medical health records of patients with Obstructive Sleep Apnea Syndrome	M. Tech in Computer Science and Engineering or equivalent
12	Examining the delivery and activity of selenonucleotide analogues as adjuvants and anticancer agents	M. Tech/ M. Sc in Chemistry / Molecular Biology and Biotechnology or equivalent
13	High-Performance Distributed Graph Analytics	M. Tech in Computer Science and Engineering or equivalent
14	Multiobjective crashworthiness optimization of auxetic structures under severe loading conditions	M. Tech in Mechanical Engineering or equivalent
15	An integrated biorefinery approach for unlocking the potential of lignocellulosic biomass to value added chemicals and fuel.	M. Tech in Energy Technology or equivalent
16	The role of activity friendly neighborhoods in times of sickness and health Evaluating Challenges for Indian Trade Union Organizing in the automotive Industry	MBA with HR Specialization
17	The urban opportunity—Accelerating policy dissemination and implementation for UN Sustainable Development Goals in India	M. Sc in Environmental Sciences/ MBA or equivalent
18	Environmental supports for active living in India Tourism in a time of Pandemic	MBA or equivalent Master in Tourism and Travel Management (MTTM)/MBA/ Master of Tourism administration (MTA)
19	Ionic liquid - metal-organic framework composite materials as electrolytes for energy storage devices	M. Sc in Physics/ Chemistry
20	Inter-generational Communication for Social Change in Sectarian Societies	MA in Sociology

Last Date of Receipt of Applications by email: 24th October 2020.

Written Test and Personal Interview for short listed candidates: 5th – 6th November, 2020

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

(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. Topic/ Area for PhD (in order of preference) from the list in 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/EWS):

(b) Whether a person with disability (PWD), details:

4. (a) Father's Name:

(b) Mother's Name:

5. (a) Correspondence Address:

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.....

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/ Transgender
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 certificates of all examinations.
3. Self-attested photocopies of mark/ grade sheets of all examinations.
4. No Objection Certificate from employer in prescribed format, if employed.
5. Self-attested photocopies of SC/ ST/ OBC(NCL)/EWS/ 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:.....

Photo

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