NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR
IMPHAL-795004, INDIA

Admission to PhD Programme in January Academic Semester 2021 Session

Applications are invited for admission to PhD Programme in the following Disciplines for January Academic Semester 2021 Session.

- Civil Engineering
- Chemistry
- Computer Science and Engineering
- Electrical Engineering
- Electronics and Communication Engineering
- Mechanical Engineering
- Mathematics
- Physics

CATEGORY

The Institute admits PhD students under the following Categories:

1. Regular
2. Sponsored (Full Time)
3. Self-sponsored (Full Time)
4. Part-time
5. Project Staff *
6. External
   * JRF – External funded projects
   * * Institute fellowship will be provided only for NET/GATE qualified students

Reservation for SC/ST/OBC is applicable as per Govt. of India rules.

IMPORTANT DATES

Events	Date
Issue of application form.	10/12/2020- 09/01/2021
Last date for receipt of Soft/hard copy of Application form.	09/01/2021
Date of examination.	Will be announced by the respective departments
Counselling and Admission of PhD programme	Will be announced later

- Visit institute website: www.nitmanipur.ac.in regularly for more details and updates.

Details of the departmental requirements:

Sl. No.	Department	Specialization	Essential Qualifications
1.	Civil Engineering	Environmental Engineering, *Water Resources, Hydrology & Channel Hydraulics*: ▪Climate Change Hydrodynamics, ▪Hydrological Modelling, ▪Hydrographic Surveying, ▪GIS & Remote Sensing Applications in Hydrology & Water Resources, ▪Flood Modelling & Forecasting, ▪Water Balance Analysis, ▪Experimental Hydraulics Sediment Transport, Structural Engg on Seismic analysis GIS related topics	Master Degree in Engineering/Technology or equivalent in an appropriate area with a minimum CPI equivalent to 60% of marks as per conversion formula prescribed by the University/Institute. **OR** Bachelor Degree in Engineering/Technology or MSc/MCA (wherever applicable) in related areas with an excellent academic record, with a CPI equivalent to 70% of marks as per conversion formula prescribed by the University/Institute with valid GATE score.
2.	Computer Science Engineering	Cryptography, Speech Processing, Information Security	1st Class in both B.Tech ((IT/CSE) & M.Tech/M.E (IT/CSE) with Gate Score or B.Tech with 70 % and valid GATE Score preferably from Institute of National Importance
3.	Electrical Engineering	Control System, power electronics in renewable energy, Propulsion Drive System for EVs using Wide Bandgap Semiconductor Devices (i.e. GaN & SiC), Wireless Power Transfer Systems, Dynamic Wireless Charging, High-Efficiency Power Converters, Soft Switching, Multiport Converters, Single Active Bridge (SAB) and Dual Active Bridge (DAB) Converters.	Master Degree in Engineering/Technology or equivalent in anappropriate area with a minimum CPI equivalent to 60% of marks as per conversion formula prescribed by the University/Institute. **OR** Bachelor Degree in Engineering/Technology or MSc/MCA (wherever applicable) in related areas with an excellent academic record, with a CPI equivalent to 70% of marks as per conversion formula prescribed by the University/Institute with valid GATE score.
4.	Electronics and Communication engineering	Wireless Communication Engineering, Microstrip antenna and FSS design for wireless communication.	
5.	Mechanical Enigineering	Thermal Engineering: Renewable energy, IC engine, biofuels, RSM	

		optimization, Thermal and Fluids: Electronic Cooling and Heat Sink; Jet Impingement cooling; Film Cooling in supersonic Flow, Manufacturing: Advanced Manufacturing, Electric Discharge Machining, Natural composites materials; and Thermal engineering: biodiesel, IC engine background.	
6.	Chemistry	Material Chemistry, Inorganic Chemistry, Organic Synthesis, Material Chemistry and catalysis	Master Degree in Science in an appropriate area with a minimum CPI equivalent to 60% of marks as per conversion formula prescribed by the University/ Institute.
7.	Mathematics	Fixed point theory, Numerical Analysis, Finite Element Method, Applied Mathematics, Microstrip antenna and FSS design for wireless communication, complex analysis-extremal properties of polynomial.	
8	Physics	Dielectric materials, Magnetic nanoparticles.	Master Degree in Science in an appropriate area with a minimum CPI equivalent to 60% of marks as per conversion formula prescribed by the University/ Institute. **NET/ GATE with valid score/With any national fellowship**.

APPLICATION CHECKLIST

The completed application form must be accompanied by the following documents:

i) Photocopy of marks sheet/Grade card of the secondary, higher secondary board and other university examinations.
ii) Photocopy of proof of date of birth.
iii) Photocopy of proper category (OBC/SC/ST/PH etc.) certificate from the competent authority.
iv) Form I/II/III/IV.
v) Passport size photographs.
vi) Reference no. of application fee (Rs. 500 for Gen/OBC and Rs. 250 for SC/ST).
Details of the bank account:

Name:	Director National Institute of Technology Manipur
Acc. No.:	10160100021096
Bank and Branch:	Bank of Baroda, NIT Manipur
IFSC code:	BARB0NITMAN

The completely filled application form along with the documents should mail to
admissionNITManipur@gmail.com

SELECTION PROCEDURE

The mode of recruitment will be done online.

SYLLABUS FOR THE ENTRANCE EXAMINATION

The syllabus for the entrance examination will be the GATE syllabus of the concerned discipline or syllabus prescribed by the concerned departments.

STIPEND / FINANCIAL ASSISTANCE

Assistantship to the regular students (NET/GATE or equivalent) as per MHRD rules may be given subject to availability of fund. The candidate with no NET/GATE will be in self sponsored category.

LEGAL JURISDICTION

All other cases, not covered in PhD Ordinances shall be referred to the Senate. All disputes pertaining to the counseling and admission for the Ph.D. programme of NIT Manipur shall fall within the jurisdiction of Imphal, Manipur only.

DISCLAIMER

The statement made in the information brochure and all other information contained herein is believed to be correct at the time of publication. However, the Institute reserves the right to make at any time without notice, changes in and additions to the regulations, conditions governing the admission, requirements, seats, fees and any other information, or statements contained in this information brochure. No responsibility will be borne by the Institute/Admission-in-charge– PG & Research for hardship or expenses encountered by its students / any other person for such changes, additions, omissions or errors, no matter how they are caused.

Application form complete in all respects should mailed to admissionNITManipur@gmail.com

With the subject "Ph.D. application and their respective department". The file name should be the candidate's name along with department.

(This should be typed on the letter head of the sponsoring organization)

Reference No.
Date:

To

   The Director

    National Institute of Technology Manipur

Subject: Sponsoring an Employee for PhD Programme
Sir,

   We hereby sponsor the candidature of Mr/Ms ....who is an employee in our

organization, for joining PhD Programme in ....at your Institute as a full time student.

It is certified that he/she has completed ....years of service in our organization as a regular employee.

We shall relieve him/her of his/her duties in the organization during the first two years of PhD programme.

Signature and Seal of the Sponsoring Authority

FORM II- NO OBJECTION CERTIFICATE FOR NIT MANIPUR PROJECT STAFF

(This should be typed on the letterhead of R&C Section of NIT Manipur)

Reference No.

Date:

To

The Director

National Institute of Technology Manipur

Subject: No Objection certificate for NIT Manipur Project Staff

Sir,

The R&C Section of NIT Manipur has no objection if Mr/Ms .... a project employee in the project .... under .... department, is admitted in the PhD programme in ....

Principal Investigator of the concerned project has agreed to allow him/her to attend classes/research work during the PhD programme.

Signature and seal of Dean (R&C)

FORMM III – NO OBJECTION CERTIFICATE FOR PART TIME STUDENTS

(This should be typed on the letter head of the sponsoring organization)

Reference No. Date:

To

The Director,

National Institute of Technology Manipur

Subject: No Objection Certificate

Sir,

We have no objection if Mr/Ms .... an employee in our organization, is admitted

to the PhD programme in......................at your Institute as a Part Time student.

It is certified that he/she has completed ----years of service in our organization/institute as a regular employee.

We shall grant him/her leave of absence to attend classes/ research works at NIT Manipur during PhD programme.

Signature and Seal of the Sponsoring Authority

FORM IV-SPONSORSHIP CERTIFICATE OF EXTERNAL REGISTRATION

(This should be typed on the letterhead of the sponsoring organization)

Reference No. Date:

To

The Director,

National Institute of Technology Manipur

Subject: Sponsoring an employee for PhD programme for external registration

1. Name of the sponsoring organization
   Address
2. Designation of the applicant
3. Present status of the applicant
4. List of division/section where research work is proposed to be done
5. List of available local supervisor(s)

(Bio-data of local supervisor(s) to be enclosed giving details of designation, qualification, research experience with area of research etc along with their consent for research guidance)

6. Details of relevant facilities which will be made available to the candidate:

It is certified that he/she has completed .... years of service in our organization/institute as a regular employee.

If Mr/Ms .... is admitted to the PhD programme, we agree to relieve him/her to enable him/her to be available at NIT Manipur to attend classes for completion of his/her course work relating to the PhD programme.

Mr/Ms ....will be permitted to carry out research leading to the PhD degree at our organization

under the guidance of selected local supervisor. The necessary facilities will be provided for the purpose.

Signature and Seal of the Sponsoring Author