

**NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR  
IMPHAL-795004, INDIA**

**Admission to PhD Programme in July 2021 Session**

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

- Department of Civil Engineering
- Department of Computer Science and Engineering
- Department of Electrical Engineering
- Department of Electronics and Communication Engineering
- Department of Mechanical Engineering
- Department of Chemistry
- Department of 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**

<b>Events</b>	<b>Date</b>
Issue of application form.	24/05/2021- 23/06/2021
Last date for receipt of Soft/hard copy of Application form.	23/06/2021
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](http://www.nitmanipur.ac.in) regularly for more details and updates.

**Details of the departmental requirements:**

Sl. No.	Department	Specialization	Essential Qualifications
1.	Civil Engineering	Structural Engg on Seismic analysis, Environmental Engineering, Water Resources, Hydrology & Channel Hydraulics: <ul style="list-style-type: none"> <li>▪ Climate Change Hydrodynamics,</li> <li>▪ Hydrological Modelling,</li> <li>▪ Hydrographic Surveying,</li> <li>▪ GIS &amp; Remote Sensing Applications in Hydrology &amp; Water Resources,</li> <li>▪ Flood Modelling &amp; Forecasting,</li> <li>▪ Water Balance Analysis,</li> <li>▪ Experimental Hydraulics Sediment Transport, Water Resources Engineering, GIS related topics, Structural Engineering</li> </ul>	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. <b>OR</b> 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	Elliptic curve cryptography, speech processing, Information security, artificial intelligence and data mining.	1 <sup>st</sup> 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 and Power Electronics, Propulsion Drive System for Electric Vehicles using Wide Bandgap Semiconductor Devices (i.e. GaN & SiC), Battery Charging System, Wireless Power Transfer Systems, Dynamic Wireless Charging, High-Efficiency Power Converters, Soft Switching, Multi-port Converters, Single-Active Bridge (SAB), and Dual Active Bridge (DAB) Converters	Master Degree in Engineering/Technology or equivalent in an appropriate area with a minimum CPI equivalent to 60% of marks as per conversion formula 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
4	Electronics and Communication engineering	Wireless Communication, Signal Processing, VLSI Design, Analog Circuit Design, Microwave	60% of marks as per conversion formula prescribed by
5	Mechanical Engineering	Electronic Cooling, Two-phase fluid flow and heat transfer, LES	

		on Dimples surface, Film cooling in supersonic flow, Design of Bio-enabled structures, High Performance Computational Modelling of Engineered Systems, Multi-disciplinary Design Optimization, Cybersecurity in design and manufacturing, Additive manufacturing of complex and composite materials, Anti-reverse engineering technologies, Artificial Intelligence, Application in Manufacturing, Fabrication, Characterization and Machining of Composites, Micro manufacturing, Nano-materials, Application of Optimization techniques	theUniversity/Institute. <b>OR</b> 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.
6	<b>Chemistry</b>	Inorganic Chemistry, Organometallic Chemistry, Organic Chemistry & Catalysis, Material Chemistry, Nanomaterials	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	<b>Physics</b>	Material Science, Electroceramics, Magnetic Nanoparticles, Semiconductor, nanoparticles, Soft Matter Physics	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.

### 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:	BARBONITMAN

***Click here to download PhD Application Form.***

The completely filled application form along with the documents should mail to [admissionnitmanipur@gmail.com](mailto: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 latest 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.

**FORM I- SPONSORSHIP LETTER**

(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/herto 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