

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

**Admission to PhD Programme in August Academic Semester 2020 Session**

Applications are invited for admission to PhD Programme in the following Disciplines for July Academic Semester 2020-21 Session.

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

**CATEGORY** (All the categories are only for self financed except where indicated)

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

**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.	23/06/2020- 17/07/2020
Last date for receipt of Soft/hard copy of Application form.	22/07/2020 (Wed)
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.

**NB: No hostel will be provided.**

**Details of the departmental requirements:**

Sl. No.	Department	Specialization	Essential Qualifications
1.	Civil Engineering	<p><i>Water Resources, Hydrology &amp; Channel Hydraulics:</i></p> <ul style="list-style-type: none"> <li>▪ <b>Climate Change</b> Hydrodynamics,</li> <li>▪ Hydrological Modelling,</li> <li>▪ <b>Hydrographic Surveying,</b></li> <li>▪ <b>GIS &amp; Remote Sensing Applications in Hydrology &amp; Water Resources,</b></li> <li>▪ Flood Modelling &amp; Forecasting,</li> <li>▪ Water Balance Analysis,</li> <li>▪ Experimental Hydraulics Sediment Transport</li> </ul> <p>Structural Engineering: steel structure, Earthquake resistant design of structures, Performance based design structures.</p> <p>Environmental Engineering.</p> <p>GIS, Remote sensing and spatial statistics.</p> <p>Environmental hydraulics, computational fluid dynamics, hydrological modelling with GIS, water distribution system.</p>	<p>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.</p> <p><b>OR</b></p> <p>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.</p>
2.	Computer Science Engineering	Cryptography, Speech Processing, Information Security	<p>1<sup>st</sup> Class in both B.Tech ((IT/CSE) &amp; M.Tech/M.E (IT/CSE) with Gate Score or</p> <p>B.Tech with 70 % and valid GATE Score preferably from Institute of National Importance</p>
3.	Electrical Engineering	Control System	<p>Master Degree in Engineering/Technology or</p>
4.	Electronics and Communication engineering	Wireless Communication Engineering, Microstrip antenna and FSS design for wireless communication.	<p>equivalent in an appropriate area with a minimum CPI equivalent to 60% of marks as per conversion formula prescribed by the University/Institute.</p>
5.	Mechanical Engineering	Thermal Engineering: Renewable energy, IC engine, biofuels, RSM optimization, Thermal and Fluids:	<p><b>OR</b></p> <p>Bachelor Degree in Engineering/Technology or</p>

		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.	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.	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.	

### 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. 50 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

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 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 reach the following address on or before 22-07-2020 by superscribing **“Application for admission into PhD programme under..... Discipline”**, on the envelope.

### **Address for correspondence**

Admission-in-charge - PG and Research  
National Institute of Technology Manipur  
Langol, Imphal - 795004  
Manipur, India  
Telephone: 0385 2058566  
Email: [admissionNITManipur@gmail.com](mailto:admissionNITManipur@gmail.com)

**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/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