

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

**Admission to PhD Programme in January Academic Semester 2019-20
Session**

Applications are invited for admission to PhD Programme in the following Disciplines for January Academic Semester 2019-20 Session. (See *Appendix –I* for Specialization)

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

CATEGORY

The Institute admits PhD students under the following Categories:

1. Regular
2. Sponsored (Full Time)
3. Part-time
4. Project Staff
5. External

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

IMPORTANT DATES

Events	Date
Issue of application form.	16/11/2018
Last date for receipt of Application form.	17/12/2018 (Monday)
Date of Written Test (for candidates who did not qualify NET/GATE) Date of interview at NIT Manipur.	Will be announced by the respective departments
Counseling and Admission of PhD programme	Will be announced Later

Application Fees: Application fees of Rs. 500/- (for General/OBC), Rs. 250 for SC/ST to be deposited in the name of Director, NIT Manipur. The account number of NIT Manipur is 31098026413 (Imphal Secretariat, Manipur). Enter the reference number of fee deposit in the application form.

- Visit institute website: www.nitmanipur.ac.in regularly for more details and updates.
- No written test will be held for GATE/NET qualified candidates.

ELIGIBILITY

The candidates for Ph.D. Programme may be offered admission, based on certain minimum academic requirements to be satisfied by the candidates as given below:

1) Engineering and Technology: 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) Sciences (Chemistry, Physics and Mathematics): 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) Four passport size photographs.

SELECTION PROCEDURE

- Non- GATE/NET candidates must qualify the written test with a minimum 40 % of marks for interview.
- Interview conducted by the Department for final selection
- The seats will be filled only after the satisfactory performance of the students in interview.

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 as per MHRD rules may be given subject to availability of fund.

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 17-12-2018 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: pgadmission@nitmanipur.ac.in

Department of Civil Engineering

S. No	Area of Specialization	Vacancy Full Time (FT) and Part Time (PT)	Name of the Faculty
1.	Solid Waste Management, Water Quality Monitoring, Water and Waste Water Treatment, Environmental Assessment, etc.	01(FT)	Dr. P. Albino Kumar
2.	Hydrological Modelling, Geospatial Hydrology, Water Balance Analysis, River and Flood Modelling, Hydrographic Survey, etc.	01 (FT)	Dr. Ngangbam Romeji Singh
3.	Health GIS, Food Security, Image Processing and Remote Sensing	03 (FT)	Dr. Bakimchandra Oinam
4.	Hydrological Modeling of un-gauged watersheds Advanced Turbulence Modeling of Flow in Stirred Tanks, Design of Self Aerating Aerators	03 (FT)	Dr. Thiyam Tamphasana Devi
5.	Earthquake Analysis, Structural Design using STAAD Pro	01(FT)	Dr. M. Sunil Singh

Department of Mechanical Engineering

S. No	Area of Specialization	Vacancy Full Time (FT) and Part Time (PT)	Name of the Faculty
1.	Nanocomposites, Casting and Metal forming	01 (FT)	Prof. (Dr.) Goutam Sutradhar
2.	Thermal Energy, Renewable Energy, Computational Fluid Mechanics	03(FT) 02 (PT)	Dr. T. N. Verma

Department of Electrical Engineering

S. No	Area of Specialization	Vacancy Full Time (FT) and Part Time (PT)	Name of the Faculty
1.	Control systems (Higher Order Sliding Mode Controller and Observer, Disturbance Observer)	02 (FT)	Dr. Mrinal Kanti Sarkar

Department of Physics

S. No	Area of Specialization	Vacancy Full Time (FT) and Part Time (PT)	Name of the Faculty
1.	Semiconductor Nanoscience and Nanotechnology / Device	03 (FT) and 03 (PT)	Dr. Bibhu Prasad Swain
2.	Material Science	02 (FT) or 02 (PT)	Dr. Ibetombi Soibam
3.	Soft Matter	01 (FT) or 01 (PT)	Dr. Sh. Lenin Singh
4.	Li electrodes and magnetic nanoparticles	01 (FT) or 01 (PT)	Dr. L. Herojit Singh

Department of Chemistry

S. No	Area of Specialization	Vacancy Full Time (FT) and Part Time (PT)	Name of the Faculty
1.	Material chemistry/Physical Chemistry	03 (FT) and 01 (PT)	Dr. Th. David Singh
2.	Organic/Inorganic/Physical Chemistry	03 (FT)	Dr. Mithun Roy
3.	Organic Chemistry	02 (FT)	Dr. Chandi C.

			Malakar
4.	Inorganic/Material Chemistry	02 (FT)	Dr. S. Nagarajan

Department of Mathematics

S. No	Area of Specialization	Vacancy Full Time (FT) and Part Time (PT)	Name of the Faculty
1.	External Properties of Maximum Modulus of Polynomials	03 (FT)	Dr. C Barchand Singh
2.	Relativity (Cosmology), Modified Theory, Dark energy	02 (FT) and 1 (PT)	Dr. S . Surendra Singh
3.	Mathematics (Numerical Analysis, Finite Element Method, Applied Mathematics).	03 (FT)	Dr. Sunil Pandey
4	Fixed Point theory	01 (FT)	Dr. Y Rohen Singh

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 inat 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 release 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 Authority