

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

Admission to PhD Programme in July Academic Semester 2016 Session

Applications are invited for admission to PhD Programme in the following Disciplines for July Academic Semester 2016-17 Session. (See Appendix I for Specialization)

- Civil Engineering
- Mechanical Engineering
- Electrical Engineering
- Physics
- Chemistry
- Mathematics
- Computer Science & Engineering

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.	22/04/2016- 21/05/2016
Last date for receipt of Application form.	23/05/2016 (Monday)
Date of Written Test (for candidates who did not qualify NET/GATE)	Will be announced by the respective departments
Date of interview at NIT Manipur.	
Counselling and Admission of PhD programme	25/07/2016 (Monday)

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

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.

Those Candidates who qualify GATE will be given preference.

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 with NET or valid GATE score.

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

The admission to Ph.D. Programme will be on the basis of weightage as given below:

- Overall academic performance (to be fixed by the PhD Admission Committee): 70%
- Interview conducted by the Department : 30%

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 23-05-2016 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

Appendix I

Civil Engineering

Eligibility	PhD Research Area	Number of Seats**		Faculty Name
		Regular	Part Time	
M-Tech in Environmental Engineering with First Class.	Solid Waste Management, Water Quality Monitoring, Water and Waste Water Treatment, Environmental Assessment, etc.	02	02	Dr. P. Albino Kumar
M-Tech in Civil Engineering/Agricultural Engineering/Soil & Water Conservation Engineering/Geoinformatics/ Geomatics/ Remote Sensing & GIS with B.E. /B.Tech /B.Sc (Engg) in Civil Engg/Agricultural Engg /Hydrology/Water Resources/ EEE / ECE /CSE)	Hydrological Modelling, Geospatial Hydrology, Water Balance Analysis, River and Flood Modelling, Hydrographic Survey, etc.	01	02	Dr. Ngangbam Romeji Singh
M-Tech in relevant* branch of Engineering/MS/MSc ⁺ in <ul style="list-style-type: none"> • Irrigation Engineering • Agricultural Engineering • Civil Engineering • Water Resource Engineering • Earth Sciences • Public Health Engineering • Natural Resource Management • Geoinformatics/Remote Sensing <i>*Relevance to the Research theme or topics.</i> ⁺ MSc applicants should have NET qualification. In case M-Tech, GATE qualified if preferred.	Health GIS, Food Security, Image Processing and Remote Sensing	01	Nil	Dr. Bakimchandra Oinam
M-Tech in Earthquake or Structural Engineering or any allied specialization.	Performance-Based Seismic Design, Structural Health Monitoring, Structural Dampers and Base Isolators	02	01	Dr. Mayengbam Sunil Singh
M-Tech in Water Resources Engineering with First Class.	Hydrological modelling through Remote Sensing and GIS, Turbulent flow analysis using CFD tools, Environmental hydraulics, Optimum design through statistical data, etc.	01	Nil	Dr. Thiyam Tamphasana Devi

Computer Science & Engineering

Eligibility	PhD Research Area	Number of Seats**		Faculty Name
		Regular	Part Time	
First Class in MTech in Computer Science & Engineering OR BTech in Computer Science & Engineering with a CPI equal to or above 7.00 with valid GATE score	Artificial Intelligence, Robotics & Automation, Image/video processing, 2D/3D watermarking, Multimedia security, Cyber forensic	3	0	Dr. Kh. Manglem Singh, Dr. Th. Khelchandra Singh, Dr. Y. Jina Chanu

Electrical Engineering

Eligibility	PhD Research Area	Number of Seats**		Faculty Name
		Regular	Part Time	
First Class in MTech in Electrical Engineering/ECE (Related areas mentioned in Research areas) OR BTech in Electrical Engineering/ECE (Related areas mentioned in Research areas) with a CPI equal to or above 7.00 with valid GATE score	Control, power electronics and Electrical machines	1+1	0	Dr. Mrinal Kanti Sarkar

Mechanical Engineering

Eligibility	PhD Research Area	Number of Seats**		Faculty Name
		Regular	Part Time	
First Class in MTech in Mechanical OR BTech in Mechanical Engineering with a CPI equal to or above 7.00 with valid GATE score	Casting, Metal Matrix composites	0	2	Dr. Anil K. Birru
	Fluid Flow and Heat Transfer	2	1	Dr. Dushyant Singh
	CFD, I. C. Engines, Fuels & Combustion	0	2	Tikendra Nath Verma

Physics

Eligibility	PhD Research Area	Number of Seats**		Faculty Name
		Regular	Part Time	
First Class in MSc Physics with NET/valid GATE score	Soft condensed matter physics	1	0	Dr. S. Lenin Singh
	Hard condensed matter physics	1	0	Dr. L. Herojit Singh

Chemistry

Eligibility	PhD Research Area	Number of Seats**		Faculty Name
		Regular	Part Time	
First Class in MSc Chemistry with NET/valid GATE score	Physical/Inorganic/Organic	2+2+	0+0+	Dr. Nagarajan
		0+1+	1+0+	Dr. Malakar
		1=6	0=1	Dr David
				Dr. Mithun Roy
				Malakar+Roy

Mathematics

Eligibility	PhD Research Area	Number of Seats**		Faculty Name
		Regular	Part Time	
First Class in MSc Mathematics with NET/valid GATE score	Extremum of polynomials and location of zeros	1	0	Dr. Ch. Barchand Singh
	Mathematical optimization	1	0	B.B. Upadhyay
	Finite element modeling, numerical analysis	1	0	Dr. Sunil Panday

** Number may either increase or decrease.

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 underdepartment, 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)

FORM 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 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 Authority