

**NATIONAL INSTITUTE OF TECHNOLOGY
MANIPUR IMPHAL-795004, INDIA
Admission to PhD Program in January 2024 Session**

Ref. No. NITM.3 (42-DeanAcademics)/09-PhD/January 2024/522

Dated: 05/01/2024

Applications are invited for admission to PhD Program in the following disciplines for January 2024 Academic Session.

- Department of Civil Engineering
- Department of Computer Science and Engineering
- Department of Electrical Engineering
- Department of Electronics and Communication Engineering
- Department of Physics
- Department of Mathematics
- Department of Humanities and Social Sciences

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

* External funded projects

Note:

1. Institute fellowship will be provided only for NET/GATE qualified students
2. For category details and other related documents, please refer to Ph.D ordinance NIT Manipur

IMPORTANT DATES

Opening of portal for submitting online admission form	04/01/2024- 18/01/2024
Last date to submit online PhD Application form.	18/01/2024
Uploading List of shortlisted candidates	on or before 19/01/2024
Offline written Test	22/01/2024
Offline interview:	22/01/2024.
Uploading List of selected PhD candidates:	24/01/2024.
Submission of fees by selected PhD candidates on or before	31/01/2024.

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

A. Hunt S

Details of the departmental requirements:

Sl. No.	Department	Specialization	Essential Qualifications
1.	CIVIL ENGINEERING	<p>Water Resources: Hydrological Modelling & Water Balance Analysis, Climate Change Hydrodynamics, Geospatial Applications in Hydrology & Water Resources, Flood Modelling & Forecasting, Fluvial Hydraulics/Sediment Transport, Fluid flow modeling using Computational Fluid Dynamics (CFD) techniques</p> <p>GIS & Remote Sensing: Geospatial Applications, Human Security and Geospatial Intelligence, 3D GIS, Geohazards, UAV & Mobile Mapping.</p> <p>Environmental Engineering & Management. Removal of recalcitrant compounds from wastewater, Removal of heavy metals from wastewater, Drinking Water treatment, Solid Waste Management, Optimization on design of Sewage treatment plant, Optimization on design of Effluent treatment plant, Biological Process for secondary treatment Units, Environmental Impact Assessment, life cycle assessment, climate change adaptation, hazardous waste management, and sustainability engineering.</p>	<p>Master Degree in Engineering/Technology (or equivalent degree) with a minimum 6.5 CPI/CGPA or minimum 60% marks from a recognized University/Institute; <i>GATE/NET</i> qualified candidates preferred.</p> <p style="text-align: center;">OR</p> <p>M.Sc./M.S. in the specified areas (GIS & Remote Sensing, Geo Informatics, Earth Science/Geology, Natural Resources, Environmental Science, Computer Science, Electronics) with a minimum 6.5 CPI/CGPA or minimum 60% marks from a recognized University/Institute; <i>GATE/NET</i> qualified candidates preferred.</p> <p style="text-align: center;">OR</p> <p>Bachelor Degree in Engineering/Technology with an excellent academic record, with a minimum 7.5 CPI/CGPA or 70% of marks from a recognized University/Institute with <i>valid GATE/NET</i> score.</p>

A. H. S.

2.	Computer Science Engineering	Elliptic curve cryptography, speech processing, Information security, artificial intelligence and data mining, , Medical Image Processing, Forgery Detection, Information Security, Machine Learning,	<p>Master Degree in Engineering/Technology or equivalent in IT/CSE or in an appropriate area with a minimum 6.5 CPI/CGPA or 60% marks from a recognized University/Institute.</p> <p>OR</p> <p>Bachelor Degree in Engineering/Technology with an excellent academic record, with a minimum 7.5 CPI/CGPA or 70% of marks from a recognized University/Institute and a valid GATE score.</p>
3.	Electrical Engineering	Propulsion Drive System for Electric Vehicles using Wide Band gap 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, Design, development and testing of power electronics converter for grid integrated renewable energy systems, Grid integration of photovoltaic systems, Power quality improvement, Grid integration of PV with EV charging station, Renewable Energy Planning, Soft computing, Cyber security & Resilience, Power system protection, power system optimization.	<p>Master Degree in Engineering/Technology or equivalent in an appropriate area with a minimum 6.5 CPI/CGPA or 60% marks from a recognized University/Institute.</p> <p>OR</p> <p>Bachelor Degree in Engineering/Technology with an excellent academic record, with a minimum 7.5 CPI/CGPA or 70% of marks from a recognized University/Institute and a valid GATE score.</p>

A. Huzefa S.

4.	Electronics and Communication Engineering	Wireless Communication, Signal Processing, VLSI Design, Analog Circuit Design, Microwave, Communication system and signal processing, Nanotechnology, Internet of Things, etc	Master Degree in Engineering/Technology or equivalent in an appropriate area with a minimum 6.5 CPI/CGPA or 60% of marks. OR Bachelor Degree in Engineering/Technology or Master (M. Sc. / MCA) in related areas with an excellent academic record, with a minimum 7.5 CPI/CGPA or 70% of marks from a recognized University/Institute and a valid GATE/NET score.
5.	Physics	Nano- technology and Nano-materials, Magnetic Materials, Semiconductor Materials, Electro ceramics materials, Nano-particles, Soft Matter Physics, Nano-composites, Nano material for water purification	Master Degree in Science in an appropriate area with a minimum 6.5 CPI/CGPA or 60% of marks from a recognized University/Institute. <i>GATE/NET qualified candidates preferred.</i>
6.	Mathematics	Complex Analysis, Mechanics and Relativistic Mechanics, Numerical Analysis.	Master Degree in an appropriate area with a minimum 6.5 CPI/CGPA or 60% of marks from a recognized University/Institute. <i>GATE/NET qualified candidates preferred.</i>
7.	Humanities and Social Sciences	Indian Writing in English, Dalit Literature, Commonwealth Literature, African Writings	Master Degree in an appropriate area with a minimum 6.0 CPI/CGPA or 55% of marks from a recognized University/Institute. <i>GATE/NET qualified candidates preferred.</i>

A. H. Gupta

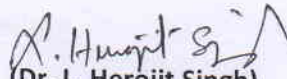
Important Instructions for the Applicant

1. **Relaxation in % of marks/CPI/CGPA of minimum qualification:** In the qualifying degree for the admission to Ph.D. program, the minimum CPI/ CGPA/ marks percentage shall be relaxed by 0.5 CPI/GCPA or 5 percent in case of candidates belonging to the SC/ ST/ OBC (NCL) /PWD categories.
2. Reservation for SC/ST/OBC (NCL)/EWS/PH is applicable as per Govt. of India rules.
3. Valid category certificate for OBC (Non-Creamy Layer)/EWS/SC/SC.
4. Sponsored candidate are required to submit their NOC while filling the online application form.
5. Application fee (Rs. 500 for Gen/OBC OBC (NCL) and Rs. 250 for SC/ST/EWS/PWD) for the Ph.D. admission for the session January-2024 will be accepted through digital/online mode only. The details of fee payment need to fill in the online form.
6. The name of the provisionally short listed candidates eligible for the written test and/or Interview shall only be displayed on the Institute website.
7. Written test and interview will be conducted for non-GATE and non-NET candidates through offline mode. Only interview will be conducted for GATE and NET qualified candidates through offline mode.
8. Candidates are advised to visit the Institute website www.nitmanipur.ac.in for regular updates.
9. No separate acknowledgment or call letter will be sent by the institute for attending the Written Test at the Institute in physical mode.
10. As no separate Admit Card is issued for the Written Test, hence the candidates are directed to bring any standard Photo I-Card (in Original) with a photocopy thereof, such as, Aadhaar Card, PAN Card, EPIC, Driving License, I-card issued by their Employer, or any Govt./ Public Sector Organization etc.
11. Candidates reporting without any standard I-Card (in original) as stated above shall not be allowed to appear at Written Test / Selection / Interview.
12. Candidates must report in the Institute at least 30 minutes before start of Written Test else they will not be allowed to appear at the written Test.
13. Extension of time for admission reporting shall not be allowed. If a candidate fails to report for admission by the due date and time, his/ her application will not be considered.
14. Candidates at the time of admission are required to sign a bond stating that in case

A. Huzar

they fail to complete the PhD successfully, they will refund 50% of fellowship amount received from Institute.

15. The Institute reserves the right to cancel the candidature without assigning any reason thereof.
16. No correspondence will be entertained with the candidates who are not called for counselling /selected for appointment.


(Dr. L. Herojit Singh)

Dean (Academic Affairs)

Copy to:

1. PS to the Director, NIT Manipur for kind information to the Director
2. All Deans, for kind information.
3. The Registrar, NIT Manipur for kind information.
4. All Heads of Academic Departments, for kind information and necessary action.
5. Faculty In-charge, MIS for kind information and necessary action.
6. System Administrator, NIT Manipur with a request to upload the same in the Institute website.


(Dr. L. Herojit Singh)

Dean (Academic Affairs)