

**National Institute of Technology Meghalaya**  
**Admission to Ph. D. Programme**  
**Full-Time and Sponsored (Part-Time) Ph.D Programme**  
**Autumn 2026**

No.NITMGH/AA/Ph.D-Admission/ 2025-26/1177

Dated: 30/04/2026

Applications are invited for admission to the Doctor of Philosophy (Ph.D) Programme starting in July, 2026 (Autumn Semester-2026) under Full Time and Sponsored (Part-Time) categories. The disciplines and areas in which the Programme will be offered (but not limited to) are as follows:

Department	Research Area (For Full Time & Sponsored Part Time)
<p style="text-align: center;"><b>Civil Engineering</b> (CE)</p>	<p>Structural health monitoring of steel bridges/Performance-based analysis of structures; Retrofitting and Rehabilitation of RC structures, Earthquake Resistant Design of Structures, Seismic vulnerability study of Structures, Masonry structures; Structural concrete and structural health monitoring; Utilization of Sustainable Materials for Soil Stabilization; Laboratory-Scale Modeling and Instrumentation of Rainfall and Load Induced Landslides in the East Khasi Hills, Meghalaya; Influence of Reinforcement Interface Behavior on the Performance of C&amp;D Waste; Integration of AI with Green Geotechnics for Reinforced Slope Stability; AI-Based Sustainable Design and Stability Assessment of Reinforced Soil Slopes; Sustainable Pavement Construction; Source Apportionment, AI-Based Prediction, and Mitigation Strategies for PM2.5 and Black Carbon in Hill Cities of Meghalaya; AI-Based Real-Time Water Quality Monitoring and Treatment Optimization for Mining and Rural Water Systems in Hill Regions of Meghalaya; AI-Integrated Decentralized Waste-to-Resource Systems for Organic and Plastic Waste Management in Hill Regions of Meghalaya.</p>
<p style="text-align: center;"><b>Computer Science &amp; Engineering</b> (CSE)</p>	<p>Blockchain Technology and It's applications; Medical Image Analysis, Path Planning Applications in Robotics; Cyber Security, Speech processing; Deep/Machine Learning for next generation communications and IoT applications; NLP; Computer Vision; Synthetic Media Forensics; Deep Learning for eHealth Applications.</p>
<p style="text-align: center;"><b>Electronics &amp; Communication Engineering</b> (ECE)</p>	<p>Wireless Communication, Quantum Communication; Terrestrial/Non-terrestrial communication; Low power Memory &amp; Memristor Design; Microwave antenna and Metasurface for Advanced Wireless Application; Nanoelectronics; Semiconductor Device Engineering; 2D-Materials for Electronics; Nano-sensors, Image processing; Biomedical image analysis; Deep Learning; IoT and VLSI Design; RIS Assisted Wireless Networks; Semantic Communication/ AI-DL based Wireless Networks; Quantum Communication; Pitching Antenna System, MEMS; Semiconductor Devices, Sensors; Microelectronics and VLSI Design; Digital Image processing and Hyperspectral image processing; Semiconductor devices for sensors and neuromorphic computing applications.</p>

<p style="text-align: center;"><b>Electrical Engineering</b> (EE)</p>	<p>Operation and Control of Resilient Microgrid; Smart Grid, Cyber-Security of Power Systems, Peer-to-Peer Distributed Energy Trading, ML/AI Application to Power Systems, Power System Control, Design and Analysis of Smart Grids, Distributed Power Generation, PMU Analytics; Protection Schemes for Smart Grids &amp; Underground Cables, Smart Metering and Monitoring of Power Systems; Electric Machine Drives, Electric Vehicle power drive train improvement with different machine control, EV Drivetrain Control, Digital Control Architecture Design for Power Electronic Circuits; Nonlinear Control Systems Applications; Signal Processing, Digital PLL Design, Vibration measurement, Harmonic Measurement, E-vehicle design; Power Electronics, Grid-connected PV systems, Wireless Power Transfer</p>
<p style="text-align: center;"><b>Mechanical Engineering</b> (ME)</p>	<p>Heat pipes, vortex generators, dehumidification, compressible flow; Hydrokinetic Turbine, Wind Turbine; Hydro power, Wind power control; Manufacturing, machining; Structural Health Monitoring, NDT, Wave Propagation, Composite Structures, Smart Structures; Advanced Manufacturing, Composite materials, Optimization; Computational Fluid Dynamics, Computational Thermoacoustics; Solar Thermal Devices, Alternative Fuels; Nonlinear Dynamics, Soft Robotics, Coupled Thermo-Vibrational Analysis; Additive Manufacturing, Advanced Manufacturing, Composite Materials, Micromachining, etc.; Solar Thermal Collectors, Liquid desiccant dehumidification; Computational Fluid Dynamics, Hydrogen energy, Battery modelling for EV; Drying Technology; Computational Fluid Dynamics, Wind turbine, Marine propeller, AI/ML in Turbulence modelling, Renewable energy.</p>
<p style="text-align: center;"><b>Physics</b> (PH)</p>	<p>Quantum Computing; Liquid Crystal; IR materials and devices; Experimental Condensed Matter Physics; Statistical Physics; Astroparticle Physics</p>
<p style="text-align: center;"><b>Chemical and Biological Sciences</b> (CBS)</p>	<p>Biophysical Chemistry; Organic Synthesis; Theoretical Chemistry; Food Microbiology; Smart Materials; Electrochemical Energy; Storage/Electrocatalyst</p>
<p style="text-align: center;"><b>Mathematics</b> (MA)</p>	<p>Abstract Algebra; Fluid Dynamics; Statistical Inference; Linear Algebra, Graph Theory; Fluid Dynamics; Function Analysis</p>
<p style="text-align: center;"><b>Humanities &amp; Social Sciences</b> (HSS)</p>	<p>English: All areas of English Literature; Psychology: Social Psychology, Community Psychology, Political Psychology, Human Sexuality; Sociology: Issues of Social Stratification; Intersectional Marginalities, Class and Culture; Management: General management &amp; Sustainable Business Practices; Entrepreneurship and Innovation; Human Resource Management; Agribusiness and Rural Management; Marketing Management and Consumer Behavior; Tourism Management</p>

### Eligibility Criteria for Admission into Ph. D. Programme:

#### A. For Full-Time Scholars:

- i. Master's degree in Engineering/ Science/ Technology/ Humanities and Social Sciences/ Management/ or Master's degree in the allied subjects with consistently good academic record and a minimum of first class (if class is not mentioned in the transcript/certificate then minimum 60% marks or 6.5 CGPA) in the Master's degree.

**OR**

Candidates with B.E./ B. Tech. with an aggregate of 75% marks or equivalent CGPA with valid GATE score will also be eligible. Candidates applying for the Programme must clear the Institute entrance exam and interview for admission.

**B. For Sponsored (Part Time) Scholars:**

- i. Candidates with M.E/M.Tech/Master's degree in the relevant field with consistently good academic record and a minimum of 60% and First Class (55% in case of Humanities and Social Sciences) must have minimum of 3 years working experience, out of which 2 years should be from the current organization. Candidates from Polytechnic Institutes or those with AMIE (or equivalent) must be an M. Tech graduate.

**OR**

- ii. Candidates with B.E. / B. Tech. with an aggregate of 60% marks and First Class or equivalent CGPA are eligible. Employees from Industries and Research & Development (R&D) Organizations, Employees from Academic Institutes and Faculties of Senior Colleges, with minimum working experience of 5 years, after completion of UG (B.E/B.Tech), out of which 2 years should be from the current organization

**OR**

- iii. Candidate's age should not be more than 58 years.

**General Instructions and Information**

- i. Relaxation for SC/ST/PWD Candidates as per applicable norms.
- ii. The date for determining eligibility of candidates in every respect shall be considered as on the closing date, i.e., the last date of the submission of online application form.
- iii. Depending upon the number of applications received, the Institute reserves the right to fix higher eligibility criteria for shortlisting of the candidates for selection process.
- iv. Eligible candidates are required to appear for a written test and interview in respect of his/ her discipline to be conducted by the concerned Department. No TA/DA will be paid for attending test / interview.
- v. General/EWS/OBC candidates are required to pay a non-refundable application fee of Rs. 1000/- (Rupees one thousand only) and for SC/ST candidates, a non-refundable application fee of Rs. 500/- (Rupees five hundred only). Women and PwD candidates are exempt from paying the application fee. The application fee is not refundable under any circumstances. Check **STEP I** for payment process.
- vi. Candidates shall be governed as per PhD Regulations of NIT Meghalaya (refer below link). [Ph D Regulations](#)
- vii. Fee Structure: [Fee Details](#)
- viii. The status regarding the selection of candidates for the admission to the Ph.D. Programme will be available at institute website (<http://www.nitm.ac.in/>). Selected candidates will be informed through email in respect of admission guidelines.
- ix. For Scholarship details: [Ph. D Regulations](#)  
Scholarships are applicable as per eligibility and as per GoI norms.

**How to Apply:**

**STEP-I:** Candidates are advised to make the application fee payment as per category (**₹500/- for SC/ST, ₹1000/ for others, and no fee for PWD & Women candidates**).

**STEP-II:** Fill the online application form. After submission, print out of the online application form has to be sent by email along with all supporting documents via google form link.

**STEP:-1: Instructions for Payment Process using State Bank Collect (SBI Collect):**

1. Click on "Make Payment using SBI Collect" below.

### Online SBI Collect

2. A DISCLAIMER CLAUSE page will open. Check the box for I have read and accepted the terms and conditions stated above and click on the PROCEED button.
3. From the drop down menu, State of Corporate/Institution, select Meghalaya.
4. From the drop down menu, Type of Corporate/Institution, select Educational Institutions. Click on the GO button.
5. From the drop down menu, Educational Institutions Name, **select NIT MEGHALAYA FEE COLLECTION**. Click on the SUBMIT button.
6. A page for details of payment will open. Under Select Payment Category, select APPLICATION FEES.
7. Please read the complete page carefully.
8. A page to verify details and confirm this transaction will appear. Click on the CONFIRM button if your details are correct.
9. You will be directed to payment page
10. Complete the payment process by selecting the mode of payment that you wish
11. Save Reference number and date of payment for filling the online Application.

### **STEP II: Submission online Application Form:**

1. Click on the online application form link, [Application Form](#)
2. If a candidate is applying for more than one department or more than one category (full time or part time), the candidate must pay application fees separately and choose the desired departments/category in the online application form.
3. Candidates are advised to check the application in all aspects before pressing the submit button. **Once the application is submitted, it cannot be modified.**
4. **Incomplete application, application received without Payment Receipt or without the academic documents as stated below shall be summarily rejected without any explanation.**
5. **Please email your documents only from the email entered in the form. The document should be scanned (not a photo), properly oriented and arranged in the order given below:**
  - a. Application fee receipt
  - b. Proof of date of birth
  - c. Educational qualifications, mark sheets and certificates in line with the filled online application form.
  - d. Sponsorship Certificate/No Objection Certificate from the employers (if employed) in the prescribed format;
    - i. Form - III A - Format for Sponsorship Certificate (if organization is sponsoring for carrying out the candidate's financial aspect of the Ph.D Programme ) <https://archive.nitm.ac.in/p/forms>
    - ii. Form - III B - Format for No-Objection Certificate from Employer (mandatory for Sponsored Part Time Ph.D candidates) <https://archive.nitm.ac.in/p/forms>
  - e. Finally, save a copy of the generated online form for submitting as mentioned below.
6. The generated online form along with soft copy of the documents mentioned at pt 5 should be emailed to [phdadmission@nitm.ac.in](mailto:phdadmission@nitm.ac.in), subject of the mail should be **"PhD application form of (Your Name), (Dept. applied) for (Full Time/Part Time )"**.

**Important Dates:**

<b>Last date of filling online application (up to 5:00 PM)</b>	<b>25<sup>th</sup> May 2026</b>
<b>Notification of Shortlisted Candidates for Ph.D Programme</b>	<b>10<sup>th</sup> June 2026</b>
<b>Written Test and Interview</b>	<b>13<sup>th</sup> -14<sup>th</sup> July 2026</b>
<b>Display of Selected Candidates &amp; Admission (Seat confirmation)</b>	<b>14<sup>th</sup> – 15<sup>th</sup> July 2026</b>
<b>Class Commencement</b>	<b>29<sup>th</sup> July 2026</b>

**For queries, you can contact below**

Email - [phdadmission@nitm.ac.in](mailto:phdadmission@nitm.ac.in)



Assistant Registrar  
(Academic Affairs)