



राष्ट्रीय प्रौद्योगिकी संस्थान मिज़ोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

(An Institution of National Importance under Ministry of Education, Govt. of India)

चलत्लांग, आइज़ोल, मिज़ोरम / CHALTLANG, AIZAWL, MIZORAM – 796012

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Date: 01 DEC 2025

Admission into Ph.D. Program 2025-26

Applications are invited for admission into the Ph.D. program in the following Departments (2025- 26 Even Semester):

Sl. No.	Name of the Department	Ph.D Category Advertised	Specialization/Area
1.	Electronics & Communication Engineering (ECE)	Full-Time (Regular, Sponsored, Self-financed, project staff) and Part-Time	<p>Nano-microelectronics, Green nanotechnology, Solid state electronics, Semiconductor devices, VLSI, Biosensors, IOT, Optoelectronic devices, Nanoelectronics, Nanomaterials, Quantum ATK, RF devices.</p> <p>Antennas, Metamaterials, Microwave Imaging, MMIC, Wireless Communication, THz Technology. Microwave Communication, Microwave Devices, Communication, Image Processing, Electromagnetics.</p> <p>Device modeling and simulations, simulation of device using TCAD, VLSI, System level design on FPGA, Zero Capacitor RAM (ZRAM), Capacitorless 1T DRAM, Capacitorless Memory Design.</p> <p>TCAD Simulation & Modeling of Compound Semiconductor (III-V devices) AlGaIn/GaN HEMTs.</p>

2.	Electrical Engineering (EE)	Full-Time (Regular, Sponsored, Self-financed) and Part-Time	<p>Micro-grid, Non-conventional Energy sources & EV Integration and Control, Power System, Energy Management, Power Electronics and Drives (power converter topologies design and validation (AC/DC, DC/AC, DC/DC), Modelling and Control of Power Electronics and Drives Systems, Electric Vehicle/Hybrid Electric Vehicle, Smart Grid.</p> <p>Power System, High Voltage, Power and Energy Systems, Renewable Energy Systems, Power Electronics and Machine Drive Systems, Control systems, Control Engineering, Magnetic Levitation System and Magnetic Bearing System Smart Grid and E-mobility, Renewable Energy Integration and Control, Energy management, Battery and Electric-Vehicle based power management and control, Hybrid Electric Vehicle.</p> <p>Power Electronics converter design, Electric Drives and Control, E- mobility energy management, Electric vehicle and charging station design.</p>
3.	Computer Science & Engineering (CSE)	Full-Time (Regular, Sponsored, Self-financed) and Part-Time	<p>Computer Architecture; In-Memory Computing Architecture; Neuromorphic Computing Architecture; ReRAM-based Memory and Logic Design, quantum computing and steganography, Knowledge Graph and Edge Computing.</p> <p>Natural Language Processing, Machine Learning and Deep Learning, Social Robotics, Artificial Intelligence, Computer Vision Applications, Deep Learning Applications, Wireless networks, Communication.</p>

4.	Mechanical Engineering (ME)	Full-Time (Regular, Sponsored, Self-financed, Project Staff) and Part-Time	Fluid and Thermal Engineering, (Energy Conversion Technology, Drying Technology, Solar Energy, Wind Energy), Hydrogen energy. Hydro Kinetic Energy, Aerodynamics, Optimisation Techniques, Computational Fluid Dynamics. Industrial engineering and management, materials, Additive manufacturing (Automation in welding, solid state welding, underwater welding, etc.) Additive Manufacturing, 3D printing, laser Materials Interaction, Laser powder bed fusion (LPBF), Direct Energy Deposition (DED), Metal Matrix Composites, Laser Cladding, Advanced Manufacturing Processes (EDM, ECM, AWJ, EBM) Metal forming, Computational materials modeling, Material characterization, Metal plasticity, Microstructure modeling, Residual stress
5.	Civil Engineering (CE)	Full-Time (Regular, Sponsored, Self-financed) Part-Time	Structural Engineering, Geotechnical engineering, Transportation engineering, Environmental Engineering
6.	Basic Science & Humanities & Social Sciences (BS & HSS)		
i)	Chemistry	Full-Time (Regular)	Heterogeneous Catalysis, Biomass Valorization, Biofuels, Renewable Energy, waste water treatment

Eligibility Criteria:

Ph.D in Engineering:

Master's Degree in the area of Engineering/Technology (ME/MTech/MS etc.) from Engineering/Technology Department of a Recognized University/ Institute with a minimum CGPA of 6.5 in 10-point scale or 60% of marks in the qualifying examinations.

Bachelor's degree in Engineering/Technology in a relevant area with a minimum CGPA of 7.5 or 70% of marks and with a valid GATE score. The requirement of valid GATE score shall apply to only those who seek admission under Full-time Category.

Ph.D. in Science (Physics/Chemistry/Mathematics):

Master's degree in the area of Physics/Chemistry/Mathematics from a recognized University/ Institute with a minimum CGPA of 6.5 in 10-point scale or 60% of marks in the qualifying examinations.

Ph.D. in HSS (Economics/English):

- Master's degree in Economics/English from a recognized University/ Institute with a minimum CGPA of 6.0 in 10point scale or 55 % marks in the qualifying examinations.
- *For SC/ST candidates, there is a relaxation of 0.5 CGPA or 50% of marks.*
- *Conversion from CGPA to percentage or vice-versa shall not be allowed.*

NIT Mizoram Written Test and Interview:

All the candidates must qualify the NIT Mizoram Written Test and Interview for Ph.D. Admission. Syllabus for NIT Mizoram Written Test will be same as specified for GATE/NET Examination for the respective disciplines.

CATEGORIES OF Ph.D. STUDENTS

The Institute admits Ph.D. students under the following categories. However, admission with respect to this advertisement will be held for the advertised categories only.

2.1. Full-time:

- Regular:** He/she receives assistantship from the Institute or fellowship from any recognized funding agency as per institute norms and other qualifications.
- Sponsored:** He/she is sponsored by are cognized R&D Organization/Institute/Industry etc. for doing Research but gets no fellowship from the Institute.
- Self-financed:** He/she works full time for the Degree but gets no fellowship from the Institute.
- Project-Staff:** He/ She gets fellowship from the Sponsored Project, works full-time for the Degree and on completion of the Project before the award of the Degree, the category will be changed to Self-financed Mode.

2.2. Part-time: He/she in this category works without fellowship from the Institute and should be employed. If Permanent Employee, he/she should provide NOC from the Employer.

How to Apply:

- Interested candidate(s) satisfying the eligibility criteria may submit their **online application at**

<https://admission.nitmz.ac.in/PHDLogin.aspx>

- Read this Advertisement and the Instructions mentioned herewith, carefully, to fill in the online application form given in the online portal.
- Self-attested copies of necessary supporting documents should be uploaded in the Application Portal.
- Candidates are to pay the application fees through the portal itself before submitting their application of **Rs. 500/-** for General/OBC OR **Rs. 250/-** for SC/ST.
- **Women candidates are exempted from the payment of the application fee.**
- The required document is to be furnished along with the application by candidates applying under various categories.

Form I: Sponsorship Letter **(for the Sponsored Category).**

Form II: No Objection Certificate (NOC) from the Institute **(for Project**

Staff category).

Form III: No Objection Certificate from the Employer (for Part-Time Category).

Form V: No Objection Certificate (for NIT Mizoram Employee-Part-Time Category).

- Candidates should submit the above Forms (Form I/II/III/V) only in the prescribed format (provided in the Ph.D. Regulations of the Institute). No other format will be accepted.
- Candidates are advised to mention their Contact No. & Email IDs correctly in the application portal.

Names of the short-listed candidates for attending NIT Mizoram written test and interview shall be made available on the Institute's website or may be intimated by-mail by the respective Head of the Department.

- Applicants can apply through the portal up to **18th December 2025 till 5:00PM.**
- Hardcopy of the filled-in application form complete in all respect to be produced at the time of NIT Mizoram Written-Test and Interview/or as per the instruction of Institute's Authority. If the candidate (s) fail to produce the original application form and supporting documents at the time of test, or if their claims are found to be incorrect on verification, their candidature shall be cancelled automatically.
- List of finally selected candidates shall be published on the Institute's website.
- Candidates are advised to visit the Institute's website regularly. Any modification/changes/additions in the advertisement, if required, will be uploaded only in the Institute's Website.
- The number of candidate(s) to be selected will be decided afterward.
- For any queries regarding the application candidates may contact the concerned **Head of the Department.**

Important Dates:

- Application through the online Application Portal to be filled and the supporting documents to be uploaded till **18th December 2025 up to 5:00 PM.**
- Display the list of provisionally Shortlisted Candidates: **23rd December 2025.**
- Submission of hard copy of application and the supporting documents, verification of the documents will be announced in the Institute's Website.
- Test and Interview of the Shortlisted Candidates: **05th -09th January 2026.**
- Display of Final list of Selected Candidates: **13th January, 2026.**
- Online Payment of fee for selected students :**14th - 16th January 2026** (Fees once paid by the selected candidates shall not be refunded).
- Registration and joining for selected students: **14th - 16th January.**
- Start of Semester and Commencement of classes: **16th January 2026.**

Sd/-

Registrar

NIT Mizoram NB: Number of candidates for each Department shall be decided by the Competent Authority.