



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

Phone: 0389 - 2391236 / 2391774 / 2391699

Email: registraroffice@nitmz.ac.in

Website: www.nitmz.ac.in

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Date: 13 OCT 2026

Admission into Ph.D. Program for Spring Semester 2026-2027

Applications are invited for admission into the Ph.D. program in the following Departments (January – June 2027 Spring Semester)

Sl. No.	Name of the Department	Ph. D Category Advertised	Specialization/Area
1.	Electronics and Communication Engineering (ECE)	Full-Time (Regular, Sponsored, Self-financed, Project Staff) and Part-Time Visvesvaraya Ph. D Scheme (Part- Time)	Nano-microelectronics, Green nanotechnology, Solid state electronics, Semiconductor devices, VLSI, Biosensors, IoT, Optoelectronic devices, Nanoelectronics, Nanomaterials, Quantum ATK, RF devices. Antennas, Metamaterials, Microwave Imaging, MMIC, Wireless Communication, THz Technology, Microwave Communication, Microwave Devices, Communication, Image Processing, Electromagnetics. Device modelling and simulations, simulation of device using TCAD, VLSI, System level design on FPGA, Zero Capacitor RAM (ZRAM), Capacitorless 1T DRAM, Capacitorless Memory Design. TCAD Simulation & Modelling of Compound Semiconductor (III-V devices) AlGaIn/GaN HEMTs.
2.	Electrical Engineering (EE)	Full Time (Regular, Sponsored, External Funding like CSIR, UGC, NBHM, DST Inspire or any other National Level Fellowship) and Part-Time	Micro-grid, Non-conventional Energy sources Integration and Control, Power System, Battery and Electric-Vehicle based power management and control, 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, Energy management, Power Electronics converter design, Electric Drives and Control, E-mobility energy management,

			Electric vehicle and EV charging station design, High-Gain DC-DC, DC-AC, and Multiport Converters.
3.	Computer Science & Engineering (CSE)	Full-Time (Regular, Sponsored, Self-financed) and Part-Time Visvesvaraya Ph. D Scheme (Full-Time)	Natural Language Processing; Machine Learning and Deep Learning; Social Robotics; Artificial Intelligence; Computer Vision Applications; Deep Learning Applications; Wireless Network Communication; Computer Architecture; In-Memory Computing Architecture; Neuromorphic Computing Architecture; ReRAM-based Memory and Logic Design; Quantum Computing and Steganography; Knowledge Graph and Edge Computing; Drone Vision and Applications; Tiny Deep Learning.
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), Hydro Kinetic Energy, Aerodynamics, Optimization Techniques, Computational Fluid Dynamics. Industrial engineering and management, materials, Automation in welding, solid state welding, underwater welding, residual stress and distortion, AI & ML in manufacturing 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. Metal forming, Computational material modelling, Finite Element Analysis, Meshless modelling, Machine learning in metal forming, Physics Informed Neural Network (PINN).
5.	Civil Engineering (CE)	Full-Time (Regular, Sponsored, Self-financed) and Part-Time	Transportation Engineering, Environmental Engineering

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6.	Basic Science		
i)	Chemistry	Full Time (Regular, Sponsored, External Funding like CSIR, UGC or any other National Level Fellowship)	1) Heterogeneous Catalysis, Biomass Valorisation, Nanomaterials, Waste to Energy, Sustainable Energy, Organic Transformations; 2) Computational and Artificial Intelligence (AI) Assisted Catalyst Design for Homogeneous and Heterogeneous Catalysis. 3) Colloids and surface chemistry
ii)	Mathematics	Full Time (Regular, Sponsored, External Funding like CSIR, UGC, NBHM, DST Inspire or any other National Level Fellowship)	1) Numerical Methods for Fractional PDEs, Numerical Approximations of Fractional Derivatives, Variable and Distributive Order PDEs, Operational Matrix Methods; 2) Bilevel programs with nonconvex lower-level programs; Mathematical programs with equilibrium constraints / switching constraints / vanishing constraints, non-smooth and non-convex optimization problems under Manifold environment, Stability and sensitivity for optimization and optimal control problems, Semi-infinite programs: Optimality conditions and numerical algorithms for optimization, 3) Integrable Systems, Exact Solutions and Soliton Theory; Nonlinear Partial Differential Equations.
iii)	English	Full Time (Regular, Sponsored, External Funding like UGC, NET/JRF Self-Financed), Part-Time	Ecocriticism & Environmental Humanities, Blue Humanities, Feminist & Gender Studies, Children's & YA Literature, Digital Humanities, AI, Literature & Digital Culture, Climate Fiction & Anthropocene Studies.
7.	Centre for Interdisciplinary Research (CIR)*	Full-Time (Regular, Sponsored, Self-financed, Project Staff) and Part-Time	Any specialization across the departments.

**PhD scholars under CIR will also account to the total number of scholars under a particular faculty.*

1. Eligibility Criteria:

Ph.D. in Engineering	Master's Degree in the area of Engineering/Technology (ME/MTech/MSc etc.) from a recognized University/ Institute with a minimum CGPA of 6.5 in 10-point scale or 60% of marks in the qualifying examinations. OR 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 REGULAR Category. OR 3rd Year BTech students from NIT Mizoram on completion of their 3rd year (6th semester) with CGPA 8.0 and above are eligible for admission for Ph.D. program in Regular Category. Also, NIT Mizoram Dual-Degree and MTech candidates on completion of their 1st year (2nd semester) with CGPA 8.0 and above are eligible for admission for Ph.D. program in Regular Category. All these candidates will be waived from the requirement of GATE/NET and will be provided Institute Fellowship as Full- time Regular Category students for 5 years for completion of Ph.D. Also, a submission of a Research Proposal cum Statement of Purpose in the proposed research area is required in line with the proposed research area of concerned Supervisor.
Ph.D. in Science	Master's degree in the area of Chemistry and 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 Humanities & Social Sciences	Master's Degree in the area of Arts/Commerce/Social Sciences from a recognized University/ Institute with a minimum CGPA of 6.0 in 10-point scale or 55% marks in the qualifying examinations

**For SC, ST and PwD candidates, there is a relaxation of 0.5 CGPA or 5% 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.**

**Candidates with External Funding like CSIR-JRF/UGC-JRF/NBHM/DST Inspire etc. are exempted from the Written Test.*

2. 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:

- i. Regular:** He/she receives assistantship from the Institute or fellowship from any recognized funding agency as per institute norms and other qualifications.
- ii. Sponsored:** He/she is sponsored by a recognized R&D Organization/Institute/Industry etc. for doing Research but gets no fellowship from the Institute.
- iii. External Funding:** He/she receives the fellowship from any recognized funding agency like CSIR-JRF/UGC-JRF/NBHM/DST Inspire etc. as per institute norms and other qualifications.
- iv. Self-financed:** He/she works full time for the Degree but gets no fellowship from the Institute.
- v. 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. Direct Ph.D from B.Tech is not applicable for Part Time category.

3. 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 applying for Ph.D. admission shall download the prescribed Research Proposal Form from the portal, duly fill in and sign the same, and upload the completed Research Proposal Form along with the online application. Candidates who fail to submit the Research Proposal Form along with the online application shall not be considered for Ph.D. admission**

- Candidates are to pay the application fees through the portal itself before submitting their application of **₹500.00 for General/OBC and ₹200.00 for SC/ST/PwD.**
- 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 IV: Sponsoring an Employee for Ph.D. Programme for External registration

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

- Candidates should submit the above Forms (Form I/II/III/IV/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 e-mail by the respective Head of the Department.**
- Applicants can apply through the portal up to **10th November till 5:00 PM.**
- 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 will 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 on 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.**

4. Important Dates:

- Application through the online Application Portal to be filled and supporting documents to be uploaded till **10th November 2026 up to 5:00 PM.**
- Display of the list of provisionally Shortlisted Candidates **17th November, 2026.**
- Test and Interview of the Shortlisted Candidates **26th -30th November, 2026.**
- Display of Final list of Selected Candidates **4th December, 2026.**
- Registration, original document verification, online payment of fees and joining for selected students: **13th – 15th January, 2027.**
- Start of Semester and Commencement of classes: **13th January, 2027.**

Sd/-
Registrar
NIT Mizoram

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