



राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
(An Institute of National Importance under Ministry of HRD, Govt. of India)
CHALTLANG, AIZAWL, MIZORAM - 796012

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Ref. No.: NITMZ/ACAD (7)/Ph.D./2016

Date: 9th Dec. 2016

Admission into Ph.D. Program for Jan. 2017 Session

Applications are invited for admission into Ph.D. program in the following departments (Jan. 2017 session):

1. Department of Computer Science & Engg.
2. Department of Electrical & Electronics Engg.
3. Department of Electronics and Communication Engg.
4. Department of Mechanical Engg.
5. Department of Civil Engg.
6. Department of Physics
7. Department of Chemistry
8. Department of Mathematics
9. Department of Humanities & Social Sciences (English)

Eligibility Criteria:

Ph.D. in Engineering:

Masters Degree in the area of Engineering/Technology 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.

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

Masters 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 and qualify the NET. However, NET is not compulsory for part-time category.

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

Masters Degree in the area of Economics/English from a recognized University/ Institute with a minimum CGPA of 6.0 in 10 point scale or 55 % of marks in the qualifying examinations and qualify the NET examination conducted by UGC/CSIR. However, NET is not compulsory for part-time category.

**For SC/ST 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.*

DEPARTMENT-WISE QUALIFICATIONS
ELECTRONICS & COMMUNICATION ENGINEERING
B.Tech. or B.E. or Equivalent degree in Electronics & Communication Engineering / Electronics & Telecommunication Engineering
M.Tech. or M.E. in Microelectronics/ Nanotechnology/ Electronic Design / Nanoelectronics/ VLSI/ Optoelectronics/ Electronic Devices
Research Areas:
Nano-Microelectronics, Nanophotonics, Semiconductor Devices, Nano Materials, Smart Materials, Organic Electronics.
ELECTRICAL & ELECTRONICS ENGINEERING
B.Tech. or B.E. or Equivalent degree in Electrical Engineering or Electrical and Electronics Engineering.
M.Tech. or M.E. in Electrical Engineering or allied specializations in broad research areas mentioned below
Research Areas:
Power Electronics Converters and Machine Drives, Electromagnetic Levitation System, Active Magnetic Bearing, Smart Grid and Renewable Energy.
COMPUTER SCIENCE AND ENGINEERING
B.Tech. or B.E. or Equivalent degree in Computer Science and Engineering.
M.Tech. or M.E. in Computer Science and Engineering or equivalent
Research Areas:
Natural Language Processing
MECHANICAL ENGINEERING
B.Tech. or B.E. or Equivalent degree in Mechanical Engineering / Production Engineering / Industrial Engineering / Mechatronics / Automobile Engineering/ Aeronautical Engineering / Marine Engineering.
M.Tech. or M.E. in Mechanical Engineering or allied specializations in the broad research areas mentioned below
Research Areas:
Thermal Engineering, Manufacturing Engineering
CIVIL ENGINEERING
B.Tech. or B.E. or Equivalent degree in any branch of Engineering & Technology
M.Tech. or M.E. in relevant specialization.
Research Areas:
Geotechnical Engineering, Geo-environmental Engineering, and Transportation Engineering
MATHEMATICS
B.Sc. and M.Sc. / M.Phil. in Mathematics or equivalent degree
Research Areas:
Optimization, Fractional Calculus, Uncertainty Theory, Fluid Dynamics
PHYSICS
B.Sc. and M.Sc. / M.Phil. in Physics or equivalent degree
Research Areas:
Experimental Condensed Matter Physics, Materials Science

CHEMISTRY	
B.Sc. and M.Sc. / M.Phil. in Chemistry or equivalent degree	
Research Areas:	
Surfactants, Colloids, Synthesis of Nano Particles	
HUMANITIES & SOCIAL SCIENCES	
Department	Research Areas:
English	Indian Writing in English, Post-Colonial Study, Comparative Literature, American Literature, Post Modernism, Cultural and gender studies, Feminism, Regional literature

CATEGORIES OF Ph.D. STUDENTS

The Institute admits Ph.D. students under the following categories:

REGULAR

A student in this category works full-time for his/her Ph.D. degree. He/she receives assistantship from the Institute or fellowship from any recognized funding agency.

SPONSORED

A student in this category is sponsored by a recognized R&D organization, academic institution, government organization or industry for doing research in the Institute on a fulltime basis. The Institute does not provide any assistantship/fellowship to such a student.

SELF-FINANCED

A student in this category works full-time or part-time towards the Ph.D. Programme. The Institute does not provide any assistantship/fellowship to such a student.

PROJECT-STAFF

This category refers to a student who is working on a sponsored project in the Institute and is admitted to the Ph.D. Programme to work on a full-time basis. The remaining duration of the project at the time of admission should be at least one year. If the project gets completed before the student completes his/her Ph.D. Programme, his/her category will be converted to that of REGULAR category.

PART-TIME

A student in this category is a professionally employed person, who pursues the Ph.D. Programme while continuing the duties of his/her service in NIT Mizoram or elsewhere. The Institute does not provide any assistantship/fellowship to such a student.

EXTERNAL

This category refers to a student employed in an R&D organization/academic institution/industry having adequate research facilities. The research work leading to the Ph.D. degree may be carried out largely in the parent organization of the candidate under a Local Supervisor from the organization but with the overall guidance provided by a faculty member (Institute Supervisor) of the Department/Centre in which he/she is registered. The Institute does not provide any assistantship/fellowship to such a student.

Assistantship:

A student under REGULAR category may receive assistantship from the Institute or fellowship from any recognized funding agency. MHRD fellowship shall be as follows:

Type of Candidate	For the 1 st & 2 nd Years	3 rd Year onwards
i. A candidate with valid NET/GATE certificate (For M.A./M.Sc./B.E./B. Tech.)	Rs. 25,000/- per month	Rs. 28,000/- per month
ii. M.E./M. Tech. or equivalent	Rs. 25,000/- per month	Rs. 28,000/- per month

An amount of Rs. 10,000/- shall be given as Contingent expenses per year.

How to Apply:

Application form can be downloaded from Institute website (www.nitmz.ac.in). Self attested copies of necessary supporting documents and a demand draft (of Rs. **200/-** for General/OBC **OR** Rs. **100/-** for SC/ST); drawn in favour of "Director, NIT Mizoram" payable at SBI, Bawngkawn Branch, Aizawl should be attached with filled in application form. Application form complete in all respects should reach the **Heads of the respective Department, NIT Mizoram, Chaltlang (Dawrkawn), Aizawl, Mizoram – 796012 by 13th Jan. 2017 super-scribing "Application for admission into Ph.D. program in the Department of _____" on the envelope.** Any application received after 5:00 PM on 13/01/2017 shall not be considered. Institute will not be responsible for any postal/otherwise delay. Candidates are advised to mention their contact No. & Email Ids in the application forms. Names of the short-listed candidates for attending test/interview shall be made available in the Institute's website or may be intimated by e-mail by the respective Head of the Department. The session is likely to start from second week of Feb. 2017. List of finally selected candidates shall be published on institute website: **www.nitmz.ac.in**.

Candidates already applied against the Advt. No. NIT-MZ/ACAD (7)/Ph.D./2016, dated: 30th April, 2016 for Ph.D. admissions are advised to submit a fresh application form without any demand draft. However, they have to produce the sufficient proof of fee submission.

Important Dates:

- (a) Last date of submission of completed form: 13/01/2017
- (b) Publication of the list of short listed candidates: 30/01/2017
- (c) Dates of written Test and/or Interview(tentative): 09/02/2017
- (d) Publication of the list of finally selected candidates: 10/02/2017
- (e) Date of Admission/Registration: 13th Feb. 2017

Director
NIT Mizoram