



Call for M.Tech./M.S./Ph.D. Programme (Odd Semester 2017-18)

School of Computing and Electrical Engineering

Indian Institute of Technology Mandi

M.S./Ph.D. Advertisement:

IIT Mandi seeks applications from bright and dedicated young scholars interested in joining the full-time or Part-time M.S./Ph.D. program in the School of Computing and Electrical Engineering (SCEE). For this purpose, SCEE seeks applications for the Master of Science (M.S) By Research and Doctor of Philosophy (Ph.D.) programs in the following areas:

- 1. Signal Processing and Communication** (Image processing and forensics, Wireless communication and networks, Information theory, RF and Microwaves)
- 2. Power Engineering** (Electrical machines and drives, Power electronics and Power systems).
- 3. Control and Sensor Systems** (Control of power networks/microgrids, Mathematical control theory, Sensors, Instrumentation and measurements, Fault diagnosis.
- 4. VLSI, Semiconductor Devices and Embedded Systems** (Analog and Digital VLSI, Semiconductor device design, modeling and simulation; Device fabrication and Characterization; Microelectronics; Embedded Systems; IOT systems, Biomedical Systems)
- 5. Computer Science** (Big data technologies, Artificial intelligence, Machine learning, Cognitive science, Human computer interaction, Computer vision, Image processing and Biometrics, Formal verification, Distributed algorithms, Information theory).

Please indicate on the application form whether you want to apply for the M.S. program or the Ph.D. program and the area(s) of your interest.

General Information

Eligibility, minimum qualifications and Scholarship rules can be found in the following links (as well as in the following page):

Eligibility: http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php

MS /PhD Ordinance IIT Mandi:

http://www.iitmandi.ac.in/academics/files/new%20MS_PhD_Ordinance_and_Regulations.pdf

MS/PhD scholarship Rules:

<https://www.iitmandi.ac.in/academics/scholarship.php>

Note: Industrial or Academic Institute Sponsored or Part time MS/PhD candidates are not eligible for MHRD/HTRA scholarships.

MS/PhD Eligibility & minimum Qualifications

Master of Science (M.S. by research) in Engineering:

Candidates with a Bachelor's degree in Engineering / Technology or Masters degree in appropriate Sciences (M.Sc) with valid score in GATE/NET or equivalent national level examination in appropriate discipline or GRE score (only for NRI/Foreign Candidates).

or

Candidates having Associate Membership of the following professional bodies are also eligible for admission to the M.S. by research program of their parent discipline provided they have a valid GATE score and have passed both part A and part B of the Membership examinations with a good academic record. **The Institution of Engineers (India), (Civil, Mechanical, Electrical and Electronics, Electronics and communications), The Aeronautical society of India, The Indian Institute of Metals, The Indian Institute of Chemical Engineers, The Institute of Electronics and Telecommunication Engineering and other professional bodies approved by the Senate from time to time.**

For more details visit the following link:

http://www.iitmandi.ac.in/academics/ms_phd_admissions.php

Ph.D. in Engineering

Candidates with a Master's degree in Engineering/Technology with a good academic record or a Master's degree by Research in Engineering/ Technology disciplines, with a good academic record.

or

Candidates with Master's degree in Sciences with a good academic record and of exceptional merit with a valid GATE score or UGC/CSIR-JRF/ NBHM or equivalent qualification in the relevant area tenable for the year of registration. In the case of candidates with more than 5 years of relevant experience after the Master's degree, the requirement of a test score may be waived by the Selection Committee.

or

Candidates who have qualified for the award of Bachelor's degree in Engineering/Technology with exceptionally good academic record in an eligible discipline will be considered for direct admission to Ph.D. Program as a regular full time scholar subject to the following conditions:

- (I) B.Tech degree from one of the IITs, with a minimum CGPA of 8.0 on a 10.0 point scale.
- (II) Bachelor's degree in Engineering/ Technology from any other University should be among the top 5% or 20 rank holders, declared by the University and having a valid GATE score.
- (III) Bachelor's degree holder in Engineering/ Technology, serving for two years or more in a reputed R & D organization or Industry with a proven research record



M.Tech. Advertisement:

IIT Mandi seeks applications from bright and dedicated young students, interested in joining the full-time M.Tech. program in the School of Computing and Electrical Engineering (SCEE). The school offers following post-graduate programs:

1. **M.Tech. in Electrical Engineering with specialization in VLSI**
2. **M.Tech. in Communications and Signal Processing,**
3. **M.Tech. in Power Electronics and Drives,**

Please indicate on the application form the **discipline of your interest**.

Eligibility

Discipline wise eligibility is as follows:

M.Tech. in Electrical Engineering with specialization in VLSI

B.E./B.Tech. in Electrical Engineering, Electronics and Communication Engineering, Instrumentation, Telecommunication Engineering **or M.Sc. in Electronics**

AND

Valid GATE score in EE/ECE/IN.

• **M.Tech. in Communications and Signal Processing,**

- **B.E./B.Tech.** in Electrical Engineering, Electronics and Communication Engineering, Instrumentation Engineering or Telecommunication Engineering

AND

- Valid GATE score in **ECE discipline only.**

• **M.Tech. in Power Electronics and Drives,**

- **B.E./B.Tech.** in Electrical Engineering or Electrical and Electronics Engineering

AND

- Valid GATE score in **EE discipline only.**



General Information

Eligibility and minimum qualifications can be found in the following link:

<http://iitmandi.ac.in/academics/files/Ordinances-for-M.Tech-M.Sc.pdf>

How to Apply

Interested candidates are encouraged to fill the common online application form available in the following link: <http://oas.iitmandi.ac.in/admission>

The last date of filling the online application is April 18th 2017.

You are encouraged to contact faculty members directly for further information regarding the different research areas (e-mail IDs are available on IIT Mandi website: <http://www.iitmandi.ac.in/Schools/SCEE/faculty.php>).

For any problems regarding filling-up of online applications, please contact **Mr. Om Shankar Dwivedi** (omshankar@iitmandi.ac.in). For any other queries regarding M.S./Ph.D. program in SCEE, please contact the SCEE office through email: sceoffice@iitmandi.ac.in. We look forward to reviewing your application.

Employed candidates seeking admission to M.Tech./M.S./Ph.D. must submit a “**No Objection Certificate from their current employer**”.

Important dates :

Start of online application: **March 21st, 2017**

Last date for application: April 18th, 2017

Date of written test and interview:

For Ph.D. May 10th, 2017

For M.Tech. May 13th, 2017

For M.S. May 14th, 2017