



School of Computing and Electrical Engineering

Call for M. Tech (by research) / Ph.D. / Dual Degree Program (Feb.- Jun., 2024)

IIT Mandi invites applications from bright and dedicated young scholars interested in joining the full-time or part-time M. Tech (by research)/Ph.D. and full-time Dual Degree (MTech (By Research) + PhD) program in the **School of Computing and Electrical Engineering (SCEE)**. For this purpose, SCEE seeks applications for the Master of Technology (M. Tech) By Research, Doctor of Philosophy (Ph.D.), and Dual Degree programs in the following areas of computer science and electrical engineering:

Individual Specializations under SCEE	Specific Areas (but not limited to)
Systems Engineering and Theoretical CS	<ul style="list-style-type: none">● Design of algorithms● Modern computer architecture● Applied Robotics
Intelligent Systems	<ul style="list-style-type: none">● Artificial Intelligence, Machine Learning● Cognitive Science, Human-Computer Interaction● Computer Vision, Biomedical Imaging
Control and Automation	<ul style="list-style-type: none">● Mathematical control theory● Precision agriculture● Cyber-physical systems and IoT
Microelectronics and VLSI	<ul style="list-style-type: none">● VLSI Design● Device and VLSI technology● Biomedical Embedded Systems
Power Engineering	<ul style="list-style-type: none">● Electrical Machines and Drives● Power Electronics● Power Systems
Communications and Signal Processing	<ul style="list-style-type: none">● Communication Networks, Wireless Communication and Information theory● Photonics● Machine learning for signal/image processing & communications● RF and Microwaves communications & component design

Link to the online application^{1, 2}:

<https://oas.iitmandi.ac.in/External/Admission/Login.aspx>

It is kindly advised to get in touch with faculty members directly for further information regarding the different research areas and positions available with them listed at

<https://scee.iitmandi.ac.in/faculty.php>

General Information

Information on eligibility, minimum qualifications, and scholarship rules are briefly provided in the following pages of this document. The same can be found at the following links

M. Tech (by research) /PhD Ordinance and Regulations (O&R) IIT Mandi:

https://www.iitmandi.ac.in/pdf/ordinances/Ordinances_phd_mtech.pdf

M. Tech (by research)/PhD scholarship Rules:

<https://iitmandi.ac.in/pdf/admissions/Information%20Brochure.pdf>

For PhD applicants (*Full-Time Research Scholars*):

Students under this category are entitled to the Scholarship/ Assistantship from Institute / MoE if they qualify for any one of the following criteria.

- Master's degree / Engineering/ Technology with a good academic record
- Bachelor's degree holder in Engineering/ Technology from any CFTI with a minimum CGPA of 7.5 on a 10.0-point scale.
- Bachelor's degree holder in Engineering/ Technology from any Non-CFTI with at least a CGPA of 7.5 on a 10.0-point scale with a valid GATE score.
- Master's degree in Science with fulfilling any of the following criteria:
 1. Qualified GATE / NET including lectureship (Assistant Professorship) or any other equivalent National level examination.
 2. Selected through a National level examination conducted by MoE or its agencies /Institutions such as UGC/ IIT/ IISc. / IISER/ IIIT etc.

¹Upload self-attested documents as a single zip file (Proof of identity (Aadhar card/voter card/PAN card/any other), Class 10 certificate as proof of date of birth, Mark sheets of UG and PG degrees (rank certificate, if any), Qualifying certificate of the GATE/CSIR/UGC/other examination, Caste Certificate.)

²To apply for other specific areas not listed above, kindly fill "Others" in the specific area section after selecting the Broad Research Area on the OAS portal.

3. Minimum of TWO years of professional experience (acquired after obtaining the qualifying degree and completed before the starting of the semester in which admission is sought)

For Masters applicants (*Full-Time Research Scholars*):

Students under this category are entitled to the Scholarship/ Assistantship from Institute / MoE if they qualify for any one of the following criteria.

- Candidates with a Bachelor's Degree in Engineering/Technology or Master's Degree in appropriate Sciences. A valid GATE score is required for admission to the M. Tech (by research) program, and for availing HTRA scholarship.
- Candidate with a B. Tech/BE degree from Centrally Funded Technical Institutes (CFTIs), with a minimum CGPA of 7.5 on a 10.0-point scale (or equivalent). (National Level examinations are waived off for HTRA Scholarship)

Exemptions from mandatory requirements of Valid GATE or National Level examination:

- B. Tech/B.E./B.S. (or equivalent) degree from CFTI (Centrally Funded Technical Institute)/ any of the top 100 institutes according to NIRF ranking (overall category) at the time of application, with CGPA/CPI at least 7.5 (on a scale of 10) or equivalent
- BS-MS/M. Sc/equivalent from IITs, IISERs, IISc, IIMs, or any of the top 100 institutes according to NIRF ranking (overall category) at the time of application with a CGPA/CPI of at least 7.5 (on a scale of 10) or equivalent.
- NIRF Ranking (within top 100) should be in the overall category granted for the year during which admission is sought.
- Any Himachal Pradesh Govt. Institutions/Universities, with CGPA/CPI at least 7.5 (on a scale of 10) or equivalent.

For Dual Degree (M.Tech (by research) +Ph.D) applicants (*Full-Time Research Scholars*):

Students under this category are entitled to the Scholarship/ Assistantship from Institute / MoE if they qualify for any one of the following criteria.

- The candidate must possess BE/B.Tech or M.Sc. Degree with a valid GATE Score
- GATE Score is waived off for candidates having B.Tech/BE degree from CFTI with a minimum CGPA 8.0 on a 10.0-point scale.

*For complete details (modifications, addendums, etc.) regarding the eligibility criteria, kindly contact the SCEE office at 0195-267071 or write us at "scee-admissions@iitmandi.ac.in".

Note: Industrial or Academic Institute Sponsored or Part-time M. Tech. (by research)/PhD candidates are not eligible for MHRD/HTRA scholarships.

Employed candidates seeking admission to **M. Tech (by research)/Ph.D./Dual Degree** must submit a “**No Objection Certificate**” from their current employer at the time of the interview.

For any problems regarding filling out online applications, please contact oassupport@iitmandi.ac.in

For any other queries regarding M. Tech (by research)/Ph.D./Dual Degree programs in SCEE, please contact the SCEE office through email: scee-admissions@iitmandi.ac.in. We look forward to reviewing your application.

Application Fee for M. Tech (by research)/Ph.D. Admission:

Category	Amount in ₹
General/EWS/OBC/OBC (NCL)/Transgender/Foreign Nationals	200
Women/SC/ST/PD	100

Mode of Payment³: SBI Collect Portal.

Important dates:

Start of online application:	8 th December, 2023
Deadline for online application:	23 rd December, 2023
Announcement of shortlisted candidates:	26 th December, 2023
Interview:	02 nd - 03 rd January 2024

Note: IIT Mandi reserves the right to recruit/ not recruit for any of the advertised areas and apply appropriate criteria for shortlisting candidates.

³Applicants should submit fee on SBI collect portal of the IIT Mandi; and submit generated transaction number to the OAS admission application portal. One application fee is valid for the single application. The application fee is non-refundable.