



School of Computing and Electrical Engineering & School of Mechanical and Materials Engineering

Call for M. Tech (by research) / Ph.D./ Dual Degree Program in Electric Transportation (Jan.-Jun., 2025)

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./ Dual Degree program in the **School of Computing and Electrical Engineering (SCEE)** and **School of Mechanical and Materials Engineering (SMME)**. For this purpose, SCEE and SMME seeks applications for the Master of Technology (M. Tech) By Research / Doctor of Philosophy (Ph.D)/ Dual Degree M.Tech (R)+Ph.D programs in the following areas of computer science and electrical engineering:

Specific Areas (but not limited to)
<ul style="list-style-type: none">● Modelling and control of electric vehicles● Thermal management of batteries● Motor Design and control for EV● Materials for storage● Charging infrastructure● EV batteries and battery cells● Power Electronics, Machines and drives for EVs● Vehicle dynamics● Intelligent transportation

Link to the online application:

<https://iitmandiadm.samarth.edu.in/aug24/index.php>

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 on

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

<https://smme.iitmandi.ac.in/faculty.html>

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 for the Scholarship/ Assistantship from Institute / MoE if they qualify any one of the following criteria.

- Master's degree in Sciences/ Engineering/ Technology with a good academic record
- Bachelor's degree holder in Engineering/ Technology from any CFTIs with a minimum CGPA of 7.5 on a 10.0-point scale.
- Bachelor's degree holder in Engineering/ Technology from any Non CFTIs with at least CGPA of 7.5 on a 10.0-point scale with valid GATE score.

For Dual Degree (M.Tech (R) + 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. or equivalent Degree with a valid GATE Score
- GATE Score is waived off for candidates having B.Tech/BE degree from CFTI with CGPA ≥ 8 .

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

Students under this category are entitled for the Scholarship/ Assistantship from Institute / MoE if they qualify 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 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 complete details (modifications, addendums, etc.) regarding the eligibility criteria, kindly contact SCEE office at 0195-267133 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)/PhD** must submit a “**No Objection Certificate**” from their current employer at the time of the interview.

For any problems regarding filling of online applications, please contact it_help@iitmandi.ac.in

For any other queries regarding M. Tech (by research)/Ph.D. 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

Important dates:

Start of online application:	22 October 2024
Deadline for online application:	11 November 2024(till 5:00 PM)
Announcement of shortlisted candidates:	15 November 2024
Interview (tentatively):	30 November-2 December 2024

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