

मण्डी–175005, हिमाचल प्रदेश, भारत

School of Computing and Electrical Engineering

Call for M. Tech (Research) - Aug-Dec Semester 2023

IIT Mandi invites applications from bright and dedicated young scholars interested in joining the part-time/full-time M.Tech (Research) program in the School of Computing and Electrical Engineering (SCEE). For this purpose, SCEE seeks applications for the Master of Technology (M. Tech) Research program 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	 Algorithms and Data Structures Communication complexity and distributed computing Applied robotics
Intelligent Systems	 Cognitive Science, AI AI/ML for Cybersecurity Computer Vision Biomedical Imaging Human-Computer Interaction 360, virtual or augmented reality Machine Learning Machine Learning for Signal processing
Control Systems	 Mathematical control theory Machine learning control Fault diagnosis and fault-tolerant control Controlled Environment Agriculture Control for CPS/IoT Networked Control System Control and decision making over networks Control of Connected and Autonomous Vehicles Control of Multi-Agent and other Robotic Systems Estimation and filtering Target tracking Continuous glucose monitoring
Microelectronics and VLSI	 Analog and Mixed-signal VLSI Design RF and Microwave FPGA-based IoT and Hardware Security

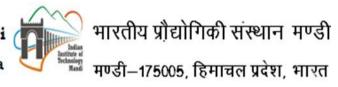
Indian Institute of Technology Mandi Mandi-175005, Himachal Pradesh, India



भारतीय प्रौद्योगिकी संस्थान मण्डी मण्डी–175005, हिमाचल प्रदेश, भारत

	 Micro & Nanoelectronics Digital VLSI Architecture Design for Communication Biomedical Embedded Systems Semiconductor Physics/ Devices Sensor and Networks Digital VLSI Architecture Design for Communication, Signal Processing, and Artificial Intelligence
Power Engineering	 Electrical Machines and Drives Power Electronics Power Systems
Communications and Signal Processing	 Photonics IoT networks Communication networks Wireless Communication RF and Microwaves communications & component design Information theory Signal processing, image processing Machine learning for signal/image processing & communications
Digital Health	 Medical Imaging and Computer Vision, AI in Healthcare, Radiomics in Oncology AI, HCI, and Cognitive Science with a focus on digital health Medical Imaging and Computer Vision, AI in Healthcare AI-based diagnostic and prognostic models, Computational Biomarkers Continuous glucose monitoring, Pandemic (e.g., Covid-19) spread analysis Computational Neuroscience, Neurovascular Coupling, Neurodiagnostic and Neurotherapeutics IoT based EM Biosensors for 5G applications, Smart Sensor for Eye, Bone and Heart diseases Medical Image Analysis using Deep Learning In memory computing, Hardware security, Medical image compression MR Image processing, MRI hardware, and Affordable MRI

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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 on

https://iitmandi.ac.in/Schools/SCEE/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 (Research) /PhD Ordinance and Regulations (O&R) IIT Mandi: https://iitmandi.ac.in/academics/files/Ordinances phd mtech.pdf

M. Tech (Research)/PhD scholarship Rules:

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

A valid GATE score is required for admission to the M. Tech (Research) program, and for availing HTRA scholarship.

Note: Industrial or Academic Institute Sponsored or Part-time M. Tech (Research) are not eligible for MHRD/HTRA scholarships. Employed candidates seeking admission to M. Tech (research) must submit a "**No Objection Certificate**" from their current employer at the time of interview.

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

For any other queries regarding M. Tech (research) program 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 (research) Admission:

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¹ To 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.

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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:

21 April 2023

Deadline for online application:

2 May 2023

Interview:

19-20 May 2023

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