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

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

Date: 13th Oct. 2026

Centre for Human-Computer Interaction

Call for M. Tech (by research) & Ph.D. Degree for Even Semester (Jan-2027)

The Center for Human-Computer Interaction are invites applications from bright and dedicated young scholars interested in joining the **full-time** M.Tech. (by research) and Ph.D. programs in the **Centre for Human-Computer Interaction (CHCI)** under *Assistive Technologies, Experiential Technologies, Device Technologies, Large Language Model*. For this purpose, CHCI seeks applications for the Master of Technology (by research) and Doctor of Philosophy (Ph.D.) programs in the following areas of:

Individual Specializations under CHCI	Specific Areas (but not limited to)
Assistive Technologies	● Study, analysis, design and development of drone power train to enhance battery utilization ● Cognitive Neuroscience", "Computational Neuroscience", "Neuroimaging", and "AI & ML for human vision and language ● Digital twin of brain based on neuropathophysiological parameters of an individual and prognosticate the cognitive level and neuropsychiatric state of a individual based on current and past neuropathophysiological data ● Physics informed Neural Network (PINN) for Image Processing ● Material Science and Biophysics
Experiential Technologies	● Medical Image Analysis and Processing ● Machine Learning and Computer Vision ● AI in Healthcare ● Social Robotics, Virtual and Augmented Reality, Multimodal Sensing, Adaptive Learning Systems, Neuroadaptive Interfaces, and Technology for Disaster Resilience. ● Music Cognition (especially in the area of studying brain responses to music using EEG)
Device Technologies	● Memristor devices for neuromorphic applications ● Material Science and Biophysics

Large Language Model	● LLM and Device led technology ● Adaptive Interactive Systems ● Item Difficulty Estimation

How to Apply:

Interested candidates are encouraged to fill the online application form available in the following link:

Link to the online application:

https://iitmandiadm.samarth.edu.in/admission/index.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 /Dual Degree Ordinance and Regulations (O&R) IIT Mandi: https://iitmandi.ac.in/pdf/ordinances/Ordinances_phd_mtech.pdf

For more details about Ph.D. Programme at IIT Mandi, please visit:

https://iitmandi.ac.in/pdf/ordinances/Ordinances_PhD_2026_onwards.pdf

Minimum Eligibility Criteria for Appearing in Admission Process: The candidate must fulfill any one of the criteria mentioned below in the table:	
For PhD applicants *(Full-Time Research Scholars)*	● Master's degree in Engineering/ Technology with a good academic record **OR** ● Master's degree in sciences with valid GATE Score ● Bachelor's degree holder in Engineering/ Technology from any CFTIs with a minimum CGPA of 7.5 for General (UR)/7.25 for OBC (NCL)/7.0 for SC/ST on a 10.0-point scale. **OR** ● Bachelor's degree holder in Engineering/ Technology from any Non CFTIs with at least CGPA 7.5 for General (UR)/7.25 for OBC (NCL)/7.0 for SC/ST on a 10.0-point scale with valid GATE score or other equivalent national exam qualification. **OR**
For Masters applicants (*Full-Time Research Scholars)*:	● 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. **OR** ● B.Tech/BE degree from Centrally Funded Technical Institutes (CFTIs) with a minimum CGPA of 7.5 for General (UR)/7.0 for OBC (NCL)/6.5 for SC/ST 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 for M.Tech. (R) & Ph.D.:

- 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

Note: Industrial or Academic Institute Sponsored or Part-time M. Tech (by research)/PhD candidates are not eligible for MHRD/HTRA scholarships. **The eligibility for the project will be same as for HTRA however based on the experience, National level exam will be relaxed as per Institute Norms.**

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

For technical problems regarding filling of online applications, please contact it_helpdesk@iitmandi.ac.in

For any other queries regarding M.Tech (R) and Ph.D., programs in CHCI, please contact the CHCI office through email chcioffice@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 Payment: online within application form

Important dates:

Start of online application	13th October 2026
Deadline for online application	02nd November 2026 (17:00 hrs)
Date of Interview (tentatively)	26th & 27th November 2026 (To be announced on the website/email)

Mode of Interview: The shortlisted candidate will be called for an interview. The interview will be online or offline mode.

- Reservation policies as per prevailing GoI rules will be followed. IIT Mandi reserves the right to admit / not admit for any of the advertised areas.

- For each specialization and program, candidates should submit a separate application with the application fee.
- IIT Mandi reserves the right to admit / not admit for any of the advertised areas and apply appropriate criteria for shortlisting.
- The decision of the competent authority in all matters relating to the eligibility of the candidate, written test/Interview and admission would be final and binding on all the candidates. In case of any dispute/ambiguity that may occur in the process of admission the decision of the Institute shall be final.
- All the details furnished in the online application will be treated as final and no changes shall be entertained. Non-submission of valid/required documents and/or incomplete applications shall be summarily rejected.
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- Industrial or Academic Institute Sponsored /Part-time/Self-sponsored M. Tech (Research)/Ph.D candidates are not eligible for MHRD/HTRA scholarships.
- Employed candidates seeking admission to M. Tech (Research)/PhD must submit a “No Objection Certificate” from their current employer at the time of interview.