Indian Institute of Technology Mandi

School of Civil and Environmental Engineering

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Date: -16-10-2024

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Admissions in M.Tech. (Research), M.Tech.(R)+Ph.D.(Dual Degree) and Ph.D. Programs of School of Civil and Environmental Engineering, IIT Mandi for Even Semester 2024-25.

School of Civil and Environmental Engineering (SCENE) of IIT Mandi is inviting applications for the first round of admission process in the M.Tech. (Research), M.Tech. (R) + Ph.D. (Dual Degree) and Ph.D. programme in a variety of disciplines and interdisciplinary areas under Regular Full-Time, under sponsored Project, Self-sponsored and Part-Time mode for the even semester, 2025 at IIT Mandi.

Ph.D. Admissions

Applicants for admission to the Ph.D. program shall be classified as per the mode of application and application category under any one of the following categories which will be decided and recommended by the admission committee. Applicants must mention their application category in the online application form.

A. Regular Full Time Ph.D. with fellowship.
B. Regular Full Time Ph.D. (fellowship from the sponsored Project).
C. Part-Time Ph.D. without fellowship.

A. **Available Program and Specializations for Ph.D. Admissions.**

Sl. No	Specialization/ Broad Research Area	Qualifying degree	Remarks/ Instruction
1.	Geotechnical Engineering	B.Tech./B.E. in Civil/Construction/Mechanical Engineering/Environmental/ Agriculture Engineering or related areas **And/OR** M.Tech./M.E./M.S. in Geotechnical / Structural/ Earthquake Engineering/ Environmental/ Transportation Engineering/ Solid or Thermo-fluid (Mechanical) Engineering/ granular mechanics or related areas.	Select Geotechnical Engineering under specialization
2.	Structural/	B. Tech./B.E. in Civil Engineering/Construction/ Mechanical/Applied Mechanics or related areas	Select

Sl. No	Specialization/ Broad Research Area	Qualifying degree	Remarks/ Instruction
	Earthquake Engineering	**And/OR** M.Tech. in Structural/Earthquake Engineering/ Applied Mechanics/Computer Science/Structural Dynamics/Solid Mechanics or related areas	Structural/Earthquake Engineering under specialization
3.	Water Resource Engineering	B.Tech. in Civil/Agriculture/Environmental Engineering or related areas **And/OR** M.Tech. in Water Resources/Hydrology/ Hydraulics/Hydrogeology/River Engineering/ Irrigation/ Hydro informatics/Earth Sciences/ Geomatics/Remote Sensing and GIS or related areas.	Select Water Resource Engineering under specialization
4.	Environmental Engineering	M.Sc. in Earth Science/Environmental Science/Atmospheric Science/Geoscience (Geology, Geomorphology, Geochemistry, Hydrogeology)/related areas **OR** M.Tech. in Environmental Engineering/related areas.	Select Environmental Engineering under specialization
5.	Remote Sensing and Geo Informatics Systems	M.Tech. in Remote Sensing & GIS / Geoinformatics/ Geology/ Water resources/ Computer Science/ related subjects or equivalent on the discretion of committee	Select RS & GIS under specialization
6.	Transportation Engineering	B. Tech./B.E. in Civil Engineering or related areas **And/OR** M.Tech./M.E./M.S. in /Transportation Engineering/ Geotechnical Engineering or related areas	Select Transportation Engineering under specialization

B.   Regular Full Time Ph.D. (Fellowship from the sponsored Project).

Sl. No	Specialization/ Broad Research Area	Qualifying degree	Project Title & Funding	Remarks/ Instruction
1.	Structural/ Earthquake Engineering	B. Tech. in Civil Engineering or related areas **And/OR** M.Tech. in Structural/ Earthquake Engineering or related areas	Earthquake source characterization for physics-based seismic hazard estimation under **Project No.** IITM/SERB/DJ/454 **Funding Agency :** SERB	Please select the specialization preference for streams Structural/Earthquake Engineering as first preference.

				Failing which the application will not be considered further.

C. Part Time Ph.D. (Sponsored from Govt/Semi-Govt/National Research Lab/Industry/Public Sector/Reputed Private Sector/Institute Staff/Self sponsored)

- Institute Staff Members/Research scholars under External Registration/Research Scholars working on Part Time Basis,
- Individuals employed in R&D environments in Scientific Institutions (including IIT Mandi) or industries
- Faculty members of all Engineering Colleges/Universities recognized by appropriate government agencies:
- The required qualification remains the same as for the regular candidates. Further the candidate should have at least two years of work experience in the relevant required areas.

For more details about the Programme at IIT Mandi, please visit: https://www.iitmandi.ac.in/pdf/ordinances//Ordinances_Ph.D.pdf

Minimum Eligibility Criterion for Appearing in Admission Process.

Qualifying Degree (as mentioned above):

1. Master's or equivalent degree in Engineering/Technology **And/OR**
2. Bachelor's degree in Engineering/Technology or equivalent*

*For qualifying degree listed under (2) candidates must also fulfil ONE of the following additional requirements:

1. Qualified GATE / NET or any other equivalent National level examination.
2. Selected through a National level examination conducted by MoE or its agencies /Institutions such as UGC/ IITs/ IISc./IISERs/ IIITs etc.
3. Minimum of two years of relevant professional experience (acquired after obtaining the qualifying degree and completed before the starting of the semester in which admission is sought).

*Exemptions from mandatory requirements of valid GATE or National Level examination:

1. 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/ any Himachal Pradesh Govt. institution or universities with CGPA/CPI of at least (on a scale of 10) or equivalent as per the Institute guidelines below.

   a) UR : 7.5 CGPA
   b) OBC (NCL): 7.00 CGPA
   c) SC/ST/PwD: 6.5 CGPA

2. BS-MS/M.Sc./MA/MBA/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 (on a scale of 10) or equivalent as per the Institute guidelines below.

   a) UR : 7.5 CGPA
   b) OBC (NCL): 7.00 CGPA
   c) SC/ST/PwD: 6.5 CGPA

Financial Support: Students joining the Ph.D. Regular program may be considered for the HTRA Fellowship (subjected to availability of fund) based on the Institute norms, if recommended by the selection committee.

M.Tech. (Research) Admissions

Applicants for admission to the M.Tech.(Research) program shall be classified as per the mode of application and application category under any one of the following categories which will be decided and recommended by the admission committee. Applicants must mention their application category in the online application form.

A. Regular Full Time M.Tech. (Research) with fellowship.

B. Part Time M.Tech. (Research) -Sponsored from Govt/Semi-Govt/National Research Lab/Industry/Public Sector/Reputed Private Sector/institute staff/Self sponsored.

A. Available Program and Specializations for M.Tech. (Research) Admissions.

Sl. No	Specialization/ Broad Research Area	Qualifying degree	Remarks/ Instruction
1.	Geotechnical Engineering	B.Tech./B.E. in Civil/Construction/Mechanical Engineering/Environmental/ Agriculture Engineering or related areas	Select Geotechnical Engineering under specialization
2.	Structural/ Earthquake Engineering	B. Tech./B.E. in Civil Engineering/Construction/ Mechanical Engineering/Applied Mechanics or related areas	Select Structural/Earthquake Engineering under specialization
3.	Water Resource Engineering	B.Tech. /B.E. in Civil/ Agriculture/Environmental Engineering or related areas	Select Water Resource Engineering under specialization
4.	Environmental Engineering	B.Tech. /B.E. in Environmental Engineering/Bio-Technology or related areas	Select Environmental Engineering under specialization
5.	Transportation Engineering	B. Tech./B.E. in Civil Engineering or related areas	Select Transportation Engineering under specialization

More details about eligibility can be found for M.Tech.(Research) at https://www.iitmandi.ac.in/pdf/ordinances/Ordinances_MTech(R).pdf

(B). Part Time (Sponsored from Govt/Semi-Govt/National Research Lab/Industry/Public Sector/Reputed Private Sector/Institute staff/self sponsored)

- Institute Staff Members/Research Scholars under External Registration/Research Scholars working on Part Time Basis,
- Individuals employed in R&D environments in Scientific Institutions (including IIT Mandi) or industries and
- Faculty members of all Engineering Colleges/Universities recognized by appropriate government agencies. The required qualification remains the same as for the regular candidates.
- Further the candidate should have at least two years of work experience.

Minimum Eligibility Criterion for Appearing in Admission Process.

Qualifying Degree (as mentioned above):

1. Bachelor's degree in Engineering/Technology or equivalent with a valid GATE score # **OR**
2. Master's or equivalent degree in Engineering/Technology

 # Exemptions from mandatory requirements of Valid GATE score:

1. 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/ any Himachal Pradesh Govt. institution or universities with CGPA/CPI of at least (on a scale of 10) or equivalent as per the Institute guidelines below.

   a) UR : 7.5 CGPA
   b) OBC (NCL): 7.00 CGPA
   c) SC/ST/PwD: 6.5 CGPA

2. BS-MS/M.Sc/MA/MBA/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 (on a scale of 10) or equivalent as per the Institute guidelines below.

   a) UR : 7.5 CGPA
   b) OBC (NCL): 7.00 CGPA
   c) SC/ST/PwD: 6.5 CGPA

Financial Support: Students joining the M.Tech.(Research) Regular program may be considered for the HTRA Fellowship (subjected to availability of fund) based on the Institute norms, if recommended by the selection committee.

3. M.Tech. (R)+PhD. (Dual Degree) Program:

Candidates will be admitted to the M.Tech. (R)+Ph.D. (Dual Degree) Programme in Engineering in full time regular mode only. Eligibility and Minimum Educational Qualifications:

Available Program and Specializations for Admissions.

Sl. No	Specialization/ Broad Research Area	Qualifying degree	Remarks/ Instruction
1.	Geotechnical Engineering	B.Tech./B.E. in Civil/Construction/Mechanical Engineering/Environmental/ Agriculture Engineering or related areas	Select Geotechnical Engineering under specialization
2.	Structural/ Earthquake Engineering	B.Tech./B.E. in Civil Engineering/ Construction/Mechanical / Applied Mechanics or related areas	Select Structural/Earthquake Engineering under specialization
3.	Water Resource Engineering	B.Tech. /B.E. in Civil/ Agriculture/Environmental Engineering or related areas	Select Water Resource Engineering under specialization
4.	Transportation Engineering	B.Tech./B.E. in Civil Engineering or related areas	Select Transportation Engineering under specialization

Eligibility and Minimum Educational Qualifications: -

1. The candidate must possess B.E./B.Tech. or M.Sc. or equivalent Degree (as mentioned above) with a valid GATE Score for HTRA fellowship.

2. B.Tech./B.E. from CFTI institute (National Level examination i.e. GATE/NET is waived off for HTRA fellowship) with CGPA/CPI at least (on a scale of 10) or equivalent as per the Institute guidelines below.

   a) UR : 7.5 CGPA
   b) OBC (NCL): 7.00 CGPA
   c) SC/ST/PwD: 6.5 CGPA.

Full details of the programme are available {As per 37th Senate Item No. 37.16} at https://cloud.iitmandi.ac.in/f/cbc9eb261d8b472d9b25/

Important Guidelines for Applications.

- Please read the instructions given in the brochure carefully before filling up the applications.

- B. E./AMIE / Other Equivalent exams are considered as B. Tech.

- M. E. / M. S. (by Research) / M.Tech. (by Research) or other equivalent exams are considered as M. Tech.

- **Applications with incomplete data will be rejected.**

- Candidates with B. Tech in branches / specializations other than specified in the dropdown list should select others and specify their branch / specialization in the text box provided.

- If you have your grade in CGPA/CPI, represent your CGPA/CPI out of 10.

- **The eligibility criteria mentioned above is minimum and the Institute shortlisting committee(s) may use higher cut-off levels for shortlisting.**

- 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.

- **Mode of Interview: -** The shortlisted candidate will be called for interview. Interview will be in hybrid mode (both online and offline).

- Interview will be of the qualifying nature.

- Applicants are advised to fill the specialization preference carefully through Samarth application portal. **First three choices/preference may be considered for processing the application as per the shortlisting criteria by the panel members**. Candidates are advised to fill choice/preference of discipline on the application portal accordingly. Candidate should submit separate application for multiple discipline/programs.

- **Reservation policies as per prevailing GoI rules will be followed.**

- 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 application shall be summarily rejected.

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

Application Procedure

Candidates should submit their application on Samarth application portal link given below:

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

Application Fee for admission: -

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

Mode of Payment: Online

One application fee is valid for the single application. The application fee is non-refundable

- For any problems regarding filling up of online application/technical issues, **Please contact by email: it_helpdesk@iitmandi.ac.in**
- **Please register with new Email_Id if you had previously registered on the portal.**
- For any queries regarding admission please contact: **scene_admissions@iitmandi.ac.in, Contact No. - 01905-267180**

Important Dates:

Start of online application: 16th October, 2024

Deadline for online application: 29th October, 2024 at 5:00 pm.

Announcement of shortlisted candidates: 5th November. 2024 (Tentative)

 Interview: 12th -14th November, 2024 (Tentatively)

- Date and Time of the interview will be informed to only shortlisted candidates by email.

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

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