

Date: -28-03-2024

Admissions in M.Tech. (Research), Ph.D. and M.Tech. (Research)+Ph.D. (Dual Degree) Programs at School of Civil and Environmental Engineering, IIT Mandi

School of Civil & Environmental Engineering invites applications for the admissions in M.Tech. (Research), Ph.D. and M.Tech. (Research)+Ph.D. (Dual Degree) programs in Civil and Environmental Engineering domains for the ODD semester commencing from August 2024 at IIT Mandi.

Category of PhD Admissions:

School of Civil and Environmental Engineering offers both Full time and Part-time PhD programs for the interested candidates. Applicants for admission to the Ph.D. programme shall be classified under any one of the following categories which will be decided and recommended by the admission committee. Applicants must mention their admission category in the online application form.

- A. **Category 1**-Regular Full Time Ph.D. (Fellowship from the HTRA/Institute).
- B. **Category 2**-Regular Full Time Ph.D. (Fellowship from the Project).
- C. **Category 3**-Part Time PhD-without fellowship (Sponsored from Govt/Semi-Govt/National Research Lab/ Industry /Public Sector/Reputed Private Sector/institute staff)

A. Category 1- Available Program and Specializations for Regular Ph.D. Admissions, Select Civil and Environmental Engineering under main research area for Ph.D. program admission.

Sl. No	Specialization/ Broad Research Area	Qualifications for PhD admissions	Remarks/ Instruction
1.	Geotechnical Engineering	B. Tech./B.E. in Civil/Construction/Mechanical Engineering or related areas +M.Tech./M.E./MS in Geotechnical/Structural/Environmental /Transportation Engineering/ Solid or Thermo-fluid (Mechanical) Engineering or related areas.	Select Geotechnical Engineering under specialization

2.	Structural/ Earthquake Engineering	B. Tech. in Civil Engineering or related areas + M.Tech. in Structural/Earthquake Engineering or related areas	Select Structural Engineering under specialization
3.	Water Resource Engineering	B.Tech. in Civil/Agriculture/Environmental engineering or related areas+ 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	Master's degree in Earth Science/Environmental Science/Atmospheric Science/related areas. OR M.Sc./M.Tech. in Environmental Science, Environmental Engineering, Geosciences (Geology, Geomorphology, Geochemistry, Hydrogeology), Remote sensing.	Select Environmental Engineering under specialization
5.	Remote Sensing and Geo Informatics Systems	PG in Remote Sensing & GIS / Select RS & GIS/ Geoinformatics/ Geology/ Water resources/ Computer Science/ related subjects or equivalent on the discretion of committee + Candidate with M.Sc. degree must have valid NET/GATE score in relevant area	Select RS & GIS under specialization
6.	Transportation Engineering	B. Tech./B.E. in Civil/Construction management or related areas and M.Tech./M.E./MS in /Transportation Engineering/ Earth Sciences/ Geotechnical Engineering or related areas	Select Transportation Engineering under specialization

B. Category 2-Regular Full Time Ph.D. (Fellowship from the Project).

Sl. No	Specialization/ Broad Research Area	Qualifications for PhD admissions	Project Title & Funding	Remarks/ Instruction
1.	Structural/ Earthquake Engineering	B. Tech. in Civil Engineering or related areas + M.Tech. in Structural/Earthqua	Study of Meso-climatic influences on the hygrothermal state of concrete exposed to natural environment & their modelling for	Select Structural Engineering under specialization

		ke Engineering or related areas	pragmatic durability design under Project No. IITM/SERB/KS/473. Funding Agency : SERB	
2.	Structural/ Earthquake Engineering	B. Tech. in Civil Engineering or related areas + M.Tech. in Structural/Earthquake Engineering or related areas	Expertise in ML/AI Project No. IITM/SERB/SUS/468. Funding Agency : SERB	Select Structural Engineering under specialization
3.	Environmental Engineering	M.Sc. in Earth Science/Environmental Science/Atmospheric Science/related areas or M.E./M.Tech. in Environmental Engineering/related area.	Indoor biomass burning contributes to significant particulate matter exposure, chronic human health burden, and economic drain in rural households. Project no. IITM/LU-SW/SYS/438 Funding Agency : Swedish Research Council	Select Environmental Engineering under specialization

Note : Please select the specialization preference for streams Structural/Earthquake Engineering and Environmental Engineering as first preference. Failing which the application will not be considered further.

C. Category 3-Part Time Ph.D. (Sponsored from Govt/Semi-Govt/National Research Lab/Industry/Public Sector/Reputed Private Sector/Institute Staff)

- Institute Staff Members/Research scholars under QIP/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.

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

Minimum Eligibility Ph.D. Criterion for Appearing in Admission Process for Category 1,2 and 3.:

Qualifying Degree:

1. Master's or equivalent degree in Engineering/Technology OR
2. Bachelor's degree in Engineering/Technology or equivalent* OR
3. Master's or equivalent degree in Science/Arts/Commerce/Management (or allied subjects)

***For qualifying degree listed under (2) & (3) candidates must also fulfil ONE of the following additional requirements:**

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.
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)

***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 7.5 (on a scale of 10) or equivalent.
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 of at least 7.5 (on a scale of 10) or equivalent.
3. NIRF Ranking (within top 100) should be in overall category granted for the year during which admission is sought.

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

Category of M.Tech. (Research) Admissions:

School of Civil and Environmental Engineering offers both Full time and Part-Time M.Tech.(Research) programs for the interested candidates. Applicants for admission to the M.Tech.(Research) programme shall be classified under any one of the following categories which will be decided and recommended by the admission committee. Applicants must mention their admission category in the online application form.

- a) **Category 1** - Regular Full Time M.Tech. (Research)
- b) **Category 2** - Part Time M.Tech. (Research) -Sponsored from Govt/Semi-Govt/National Research Lab/Industry/Public Sector/Reputed Private Sector/institute staff.

(a). Category 1 - Available Program and Specializations for Admissions, Select Civil and Environmental Engineering under main area for M.Tech.(Research) program admission.

Sl. No	Specialization/ Broad Research Area	Qualifications for M.Tech. (Research) admissions	Remarks/ Instruction
1.	Geotechnical Engineering	B. Tech./B.E. in Civil/Agriculture Engineering or related areas	Select Geotechnical Engineering under specialization
2.	Structural Engineering	B. Tech./B.E. in Civil Engineering or related areas	Select Structural Engineering under specialization
3.	Water Resource Engineering	B.E./B.Tech. in Civil Engineering/ Environmental Engineering or related areas	Select Water Resource Engineering under specialization
4.	Environmental Engineering	B.E./B.Tech. 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](https://www.iitmandi.ac.in/pdf/ordinances/Ordinances_MTech(R).pdf)

(b). Category 2 - Part Time (Sponsored from Govt/Semi-Govt/National Research Lab/Industry/Public Sector/Reputed Private Sector/Institute staff)

- 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 for category 1& 2 :

Qualifying Degree:

1. Bachelor's degree in Engineering/Technology or equivalent with a valid GATE score # OR
2. Master's or equivalent degree in Science/Arts/Commerce/Management (or allied subjects) with a valid GATE score # OR
3. 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 7.5 (on a scale of 10) or equivalent.
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 of at least 7.5 (on a scale of 10) or equivalent.
3. NIRF Ranking (within top 100) should be in overall category granted for the year during which admission is sought.

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

3. M.Tech. (Research)+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. Eligibility and Minimum Educational Qualifications:

Categories of Admission: -

Candidates will be admitted to the M.Tech. (Research) + Ph.D. (Dual Degree) Programme in Engineering in full time **regular mode**.

Eligibility and Minimum Educational Qualifications: -

1. The candidate must possess BE/B.Tech or M.Sc. or equivalent Degree with a valid GATE Score for HTRA fellowship.
2. B.Tech./B.E. from CFTI institute with CGPA ≥ 8 on a 10.0-point scale (or equivalent), National level examination (GATE/NET) is waived off for HTRA fellowship.

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 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; 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. IIT Mandi reserves the right to admit / not admit for any of the advertised areas.
- 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 M. Tech (by research)/PhD candidates are not eligible for MHRD/HTRA scholarships.

Application Procedure

Candidates should apply online only using the link:

<https://iitmandiadm.samarth.edu.in/2024/index.php/>

Application Fee for admission: -

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

Mode of Payment: SBI Collect Portal.

Applicant should submit fee on SBI collect portal of the IIT Mandi with the given link below.

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

Applicants can choose the following steps on SBI Collect Portal to submit the application fee:

State of Corporate / Institution * : Himachal Pradesh
Type of Corporate / Institution * : Educational Institutions
Educational Institutions Name * : IIT
Select Payment Category * : Application (Admission Fee)
School/Center * : SCENE

and submit generated transaction number to the Samarth admission application portal. *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
- For any queries regarding admission please contact: scene_admissions@iitmandi.ac.in,
Contact No. - 01905-267180

Important Dates:

Start of online application: 28th March 2024

Deadline for online application: 25th April 2024

Announcement of shortlisted candidates: 6 May 2024 (Tentative)

Interview (tentatively): 21st -28th May 2024 (Tentative)

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

****END****