

**Date: -16-11-2023**

**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 even semester commencing from January 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. Regular Full Time Ph.D. (Fellowship from the Institute).
- B. Regular Full Time Ph.D. (Fellowship from the Project).
- C. Part Time PhD (Sponsored from Govt/Semi-Govt/National Research Lab/ Industry /Public Sector/Reputed Private Sector/institute staff)

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

| Sl. No | Specialization/<br>Broad Research Area | Qualifications for PhD admissions  | Remarks/<br>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 <b>Geotechnical Engineering</b> under specialization |

|    |  |  |   |
|----|--|--|---|
| 2. | Structural/<br>Earthquake<br>Engineering | B. Tech. in Civil Engineering or related areas +<br>M.Tech. in Structural/Earthquake Engineering or<br>related areas   | Select<br><b>Structural<br/>Engineering</b><br>under<br>specialization      |
| 3. | Water Resource<br>Engineering            | B.Tech. in Civil/Agriculture/Environmental<br>engineering or related areas+ M.Tech. in<br>Water Resources/Hydrology/Hydraulics/<br>Hydrogeology/River Engineering/Irrigation/<br>Hydro informatics/Earth<br>Sciences/Geomatics/Remote Sensing and GIS or<br>related areas      | Select <b>Water<br/>Resource<br/>Engineering</b><br>under<br>specialization |
| 4. | Environmental<br>Engineering             | Master's degree in Earth Science/Environmental<br>Science/Atmospheric Science/related areas.<br><br><b>OR</b><br>M.Sc./M.Tech. in Environmental Science,<br>Environmental Engineering, Geosciences<br>(Geology, Geomorphology, Geochemistry,<br>Hydrogeology), Remote sensing. | Select<br><b>Environmental<br/>Engineering</b><br>under<br>specialization   |

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

- **Project Title:** "Indoor biomass burning contributes to significant particulate matter exposure, chronic human health burden, and economic drain in rural households."
- **Funding agency:** Swedish Research Council

| Sl. No | Specialization/<br>Broad Research<br>Area | Qualifications for PhD admissions  | Remarks/<br>Instruction   |
|--------|---|--|---|
| 1.     | Environmental<br>Engineering              | M.Sc. in Earth Science/Environmental<br>Science/Atmospheric Science/related areas or<br>M.E./M.Tech. in Environmental<br>Engineering/related area. | Select<br><b>Environmental<br/>Engineering</b><br>under<br>specialization |

**C. 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](https://www.iitmandi.ac.in/pdf/ordinances//Ordinances_Ph.D.pdf)

**Minimum Eligibility Ph.D. Criterion for Appearing in Admission Process:  
The candidate must fulfil any one of the criterion mentioned below in the table:**

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

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

| Sl. No | Specialization/<br>Broad<br>Research Area | Qualifications for M.Tech.<br>(Research) admissions             | Remarks/<br>Instruction                                     |
|--------|---|---|---|
| 1.     | Geotechnical Engineering                  | B. Tech./B.E. in Civil/Agriculture Engineering or related areas | Select <b>Geotechnical Engineering</b> under specialization |
| 2.     | Structural Engineering                    | B. Tech./B.E. in Civil Engineering or related areas             | Select <b>Structural Engineering</b> under specialization   |

|    |                            |   |   |
|----|----------------------------|---|---|
| 3. | Water Resource Engineering | B.E./B.Tech. in Civil Engineering/ Environmental Engineering or related areas | Select <b>Water Resource Engineering</b> under specialization |
| 4. | Environmental Engineering  | B.E./B.Tech. in Environmental Engineering/Bio-Technology or related areas     | Select <b>Environmental Engineering</b> 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). 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:**

**The candidate must fulfil any one of the criterion mentioned below in the table:**

**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: -**

- a) Candidates with B. Tech./B.E./M.Sc. or equivalent degrees with qualified national level examination for HTRA fellowship.
- b) B.Tech./B.E. from CFTI institute with CGPA  $\geq 8$  on a 10.0-point scale (or equivalent), National level examination (GATE/NET) is waived off for HTRA fellowship.
- c) Candidates with B.Tech./BE/M.Sc. with valid GATE Score. (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 PhD Application

- 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 are 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 any program must submit a “No Objection Certificate” from their current employer at the time of the interview.
- **Mode of Interview: - The interview will be hybrid mode (Online & offline).**
- Applicants are advised to fill the specialization preference carefully on OAS application portal.
- Interview will be of the qualifying nature.
- **School of Civil & Environmental Engineering, IIT Mandi reserves the right to admit / not admit for any of the advertised areas.**

### Application Procedure

Candidates should apply online only using the link:

<http://oas.iitmandi.ac.in/admission>

Application Fee for Ph.D. and M.Tech.(Research) admission: -

| <b>Application Fee:</b>                                 |             |
|---|-------------|
| 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?corpID=300525>

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 OAS 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 : oassupport@iitmandi.ac.in**  
**Contact No.- 01905- 267199**
- For any queries regarding admission please contact: [scene\\_admissions@iitmandi.ac.in](mailto:scene_admissions@iitmandi.ac.in),  
**Contact No. - 01905-267180**

**Important Dates:**

**Starting date for filling Online Application:** 16th November, 2023 (Thursday)

**Last date for filling Online Application:** 30th November, 2023 (Thursday)

**Shortlisting list :** Will be published on IIT Mandi Website. Shortlisted candidates will be informed by email also.

**Declaration of Written test and/or Interview Dates:** Published on IIT Mandi website.

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