

Call for Applications

School of Mechanical and Material Engineering

M.Tech. (Research), M.Tech. (Research) + Ph.D. (Dual Degree), and Ph.D. Programs

(Jan 2026 Semester)

The **School of Mechanical and Materials Engineering (SMME)** of IIT Mandi is inviting applications from motivated students for the admission process in the **M.Tech. (Research)**, **M.Tech. (Research) + Ph.D. (Dual Degree)** and **Ph.D.** programs in Materials Science and Engineering and related interdisciplinary areas under **Regular Full-Time, Self-Sponsored, Sponsored-Projects (as per vacancy) and Part-Time mode.**

Available Programs and Disciplines for Admissions

S. No.	Discipline	Programs available
1	Materials Science and Engineering	<ul style="list-style-type: none">• M.Tech. (Research)• M.Tech. (Research) + Ph.D. (Dual Degree)• Ph.D.

Prospective applicants are encouraged to explore the faculty profiles on the [school webpage\(https://smme.iitmandi.ac.in/\)](https://smme.iitmandi.ac.in/) to get a better sense of the exciting research happening in the school. You may also browse through the list of research areas provided at the end of this advertisement to better align your interests with the ongoing projects of our faculty.

For more details about the Programs at IIT Mandi, please visit:

https://www.iitmandi.ac.in/pdf/ordinances/Ordinances_Ph.D.pdf

[https://www.iitmandi.ac.in/pdf/ordinances/Ordinances_MTech\(R\).pdf](https://www.iitmandi.ac.in/pdf/ordinances/Ordinances_MTech(R).pdf)

Minimum Eligibility Criterion for Appearing in Admission Process

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

For admission in Ph.D.	Bachelor's degree in Engineering/Technology or equivalent with a valid GATE score; OR
	Master's or equivalent degree in Science (or allied subjects) with a valid GATE score; OR
	Bachelor's degree in Engineering/Technology or Master's or equivalent degree in Science with experience of two years or more in a reputed R&D Organization with a proven research record; OR
	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; OR
	Master's or equivalent degree in Engineering/Technology
For admission in M.Tech. (Research)	Bachelor's degree in Engineering/Technology or equivalent with a valid GATE score; OR
	Master's or equivalent degree in Science (or allied subjects) with a valid GATE score; OR
	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.
For admission in Dual Degree (M .Tech + Ph. D)	Bachelor's degree in Engineering/Technology or equivalent with a valid GATE score; OR
	Master's or equivalent degree in Science (or allied subjects) with a valid GATE score; OR
	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.

Notes:

- **GATE/National-level exam exemption:** Candidates applying under self-sponsored or part-time modes are exempted from GATE or other national-level exam requirements. However, these candidates will not be eligible for an institute scholarship during the program.
- **Program preference:** The first choice indicated on the application portal will be considered for processing. Candidates are therefore advised to select their preferred discipline carefully. Those interested in multiple disciplines or programs should submit separate applications for each.
- **Mode of Interview:** Shortlisted candidates will be invited for an online interview.
- **Reservation policy:** Reservation norms will follow the Government of India rules. IIT Mandi reserves the right to admit or not admit students for any of the advertised areas.
- **Application per specialization:** For each specialization and program, candidates must submit a separate application along with the applicable fee.
- **Accuracy of information:** All details provided in the online application will be treated as final. Incomplete applications or those missing required documents will be summarily rejected.
- **Sponsored projects:** For candidates admitted under sponsored project positions, the fellowship duration will be aligned with the tenure of the respective project.
- **Encouragement for reserved categories:** Candidates belonging to OBC-NCL, SC, ST, and EWS categories are strongly encouraged to apply to fill vacant seats in the mentioned programs.

- The decision of the competent authority regarding eligibility, written test/interview, and admission will be final and binding on all candidates. In case of any dispute or ambiguity, the Institute's decision shall prevail.
- Candidates who have already applied in the first round need not submit a fresh application for the current round.

Important Dates

Event	Date
Opening of Online Application	18 th December 2025
Last Date for Submission of Applications	22 nd December 2025 (1 PM)
Interviews (online)	24 th December 2025
Semester Commences	January 1 st week

Application Procedure

Interested candidates must submit their application on **Samarth Application Portal** link given below:
<https://iitmandiadm.samarth.edu.in/admission/index.php>

Application Fee

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

Mode of Payment: Online (Samarth Portal).

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

Contact

For any other queries related to this admission process you may contact smmeadmissions@iitmandi.ac.in or
01905-267138

Broad Research Areas

S.N.	Discipline	Broad Research Areas
1.	Materials Science & Engineering	Glasses for Electrical Applications; Solid State Refrigeration; Pyroelectric Energy Harvesting Materials and Methods; Piezoelectric Energy Harvesting Materials and Methods; Carbon based micro/ nano devices; Microstructure and crystallinity of sp ² carbons; Microplastic sensing; Nano-manufacturing for Electronics Sensor and Micro supercapacitor applications; Vapor Phase Growth(CVD, PVD & ALD) of Functional Nanostructures and Thin films; Phase Transition in Functional Oxide Materials and Thin Films; Nano-mechanics of Phase Change Materials and 2D Materials; Analytical Microscopy and Imaging; Drug Delivery System; Biosensors; Micro porous membranes; Multifunctional hybrid material; Condensed Matter Physics and Materials Science; Carbon materials and applications, Multi-Material Additive Manufacturing, Food 3D printing, Additive Friction Stir Deposition, Severe Plastic Deformation (using High-Pressure Torsion and Friction Stir Processing), Grain Boundary Engineering, Hydrogen Storage, Artificial Intelligence and Machine learning in Materials Science and Additive Manufacturing, Wear and Corrosion Studies, Coatings, Extractive Metallurgy, Electronic waste Recycling and metal recovery, Energy Conversion Materials and Devices, Soft Electronic Materials with applications in devices like PENG, TENG, Solar Cells, and Photodetectors
