

Indian Institute of Technology Mandi



School of Engineering

School of Engineering invites applications for admission to various areas in PhD/MS (by Research) programs for the semester commencing in January 2018.

Note: The School of Engineering reserves the right to recruit/ not recruit for any of the advertised areas.

Minimum Eligibility for Admission in Various Programs

PhD Programs

Mechanical Engineering (Select **Mechanical Engineering** under main area)

Sl. No	Specialization	Qualifications for PhD admissions	Remarks / Instructions
1	Mechanical Design	B. Tech (Mechanical / Aerospace /Production Engineering) + M. Tech (Machine Design or related areas)	Select Machine Design under specialization
2	FluidThermal	B. Tech (Mechanical Engineering) + M. Tech (Fluid /Thermal Science)	Select Thermal Science under specialization
3	Manufacturing	B.Tech (Mechanical Engineering/Production Engineering) + M.Tech (Mechanical/Production/Production and Industrial / Welding / Material Science/Metallurgy and related areas)	Select Manufacturing under specialization; Select Production Engineering for Production and Industrial Engineering

Civil Engineering (Select **Civil Engineering** under main area).

Sl. No	Specialization	Qualifications for PhD admissions	Remarks / Instructions
1	Earthquake Engineering	B. Tech (Civil Engineering) + M.Tech with specialization in the areas related to Structural Engineering / Earthquake Engineering or equivalent	Select Earthquake Engineering under specialization
2	Geotechnical Engineering	B. Tech (Civil Engineering) + M.Tech in areas related to Geotechnical Engineering.	Select Geotechnical Engineering under specialization
3	Ground Water and Water Resource Management	B. Tech (Civil/Agricultural/ Environmental Engineering) M. Tech in areas related to Water Resources, Agriculture, Environmental and Groundwater	Select Ground Water and Water Resources Management under specialization
4	Remote Sensing and GIS	M.Tech/M.Sc. (NET mandatory for M.Sc.) in Remote Sensing & GIS/ Geoinformatics/ Geology/ Glaciology/ related subjects/ or equivalent on the discretion of Supervisor.	Select Remote Sensing and GIS under specialization
5	Structural	B. Tech (Civil / Mechanical Engineering) +	Select Structural

Engineering	M.Tech. with specialization in the areas related to Structural Engineering or equivalent on the discretion of supervisor	Engineering under specialization
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Materials (Select **Materials** under main area)

Sl. No	Specialization	Qualifications for PhD admissions	Remarks / Instructions
1	Materials - 1	M. Sc (Chemistry, Biological Science, Chemical Engineering, Polymer Chemistry, Nanomaterial, Nano Technology) + Valid GATE/NET score. First class ($\geq 60\%$ or 6.5 CGPA) in UG and PG or M. Tech (Material Science And Engineering and allied fields). First class ($\geq 60\%$ or 6.5 CGPA) in UG and PG	Select Materials – 1 under specialization
2	Materials - 2	B. Tech (Mechanical) + M.Tech. (Materials/Metallurgy/Nanotechnology/Ceramic)	Select Materials – 2 under specialization

M.S. (by Research) Programs

Mechanical Engineering (Select **Mechanical Engineering** under main area):

Sl. No	Specialization	Qualification for MS	Remarks
1	Manufacturing	B. Tech (Mechanical/ Manufacturing / Production/Production and Industrial Engineering) + Valid GATE score	Select Manufacturing under specialization; Select Production Engineering for Production and Industrial Engineering
2	Mechanical Design	B. Tech (Mechanical /Aerospace/ Engineering) + Valid GATE score	Select Machine Design under specialization
3	Fluid Thermal	B. Tech (Mechanical Engineering) + Valid GATE score	Select Thermal Science under specialization; Select Thermal Science under specialization.

Civil Engineering (Select **Civil Engineering** under main area).

Sl. No	Specialization	Qualification for MS	Remarks
1	Geotechnical Engineering	B.Tech in Civil Engineering + valid GATE score	Select Geotechnical Engineering under specialization
2	Ground Water and Water Resource Management	B.Tech in Civil / Agriculture / Environmental + valid GATE score	Select Ground Water and Water Resources Management under specialization
3	Structural Engineering	B.Tech in Civil Engineering + valid GATE score	Select Structural Engineering under specialization
4	Applied Mechanics	B.Tech in Civil Engineering + valid GATE score	Select Applied Mechanics under specialization

Materials Science (Select **Materials Science** under main area):

Sl. No	Specialization	Qualification for MS	Remarks
1	Materials – 2	B. Tech (Mechanical Engineering) + Valid GATE score / GRE Score in appropriate discipline	Select Materials – 2 under specialization; people with GRE score can directly apply to rahul@iitmandi.ac.in with their complete CV

Notes:

- B. E./AMIE / Other Equivalent exams are considered as B. Tech.
- B. Sc (Science) includes the graduates with science background.
- M. E. / M. S. (by Research) or other equivalent exams are considered as M. Tech.
- M. Sc (Science) represents two years Masters after B. Sc (Science)
- For regular MS, valid GATE score is compulsory.
- GATE score is not compulsory for PhD (for candidates applying with M. Tech qualification).
- Valid GATE / JRF / NET score is compulsory for PhD (applying with B. Tech or M. Sc).
- If you have your grade in CGPA, represent your CGPA out of 10.
- Candidates applying after B. Tech from IITs and having CGPA greater than or equal to 8.0 can apply for MS/M. Tech / PhD without GATE score.
- Candidates interested in part time phd can apply through the online portal. However, they are recommended to go through the details at http://iitmandi.ac.in/academics/part_time_phd.php
- The eligibility criteria mentioned above is minimum and the shortlisting committee(s) may use higher cut-off levels for shortlisting.
- **The School of Engineering reserves the right to recruit/ not recruit for any of the advertised areas.**

Application Procedure

Candidates should apply through online only using the link
:<http://oas.iitmandi.ac.in/admission>

For any problems regarding filling-up of online applications, please contact Mr. Om Shankar Dwivedi (omshankar@iitmandi.ac.in)

For any other queries, you may contact at seoffice@iitmandi.ac.in

Candidates with B. Tech or equivalent degree and would like to apply for PhD program are advised to fill the online application form (see PhD regulations 2.1.1 (c) for eligibility and more details;

http://www.iitmandi.ac.in/administration/files/new%20MS_PhD_Ordinance_and_Regulations.pdf) and should contact Dr. P. Anil Kishan, Assistant Professor, School of Engineering, IIT Mandi at kishan@iitmandi.ac.in with the relevant documents.

Important Notice: Candidates without specialization in the M. Tech should mention the subjects taken by them in the subjects column of the qualifications. They should also mention the M. Tech thesis title in the additional information column. Candidates, who do not mention the subject names, may not be shortlisted for written test / interview even they fulfill the shortlisting criterion. There may not be any communication in this regard.

Important Dates:

Starting date for filling Online Application: 9 November 2017

Last date for filling Online Application: 22 November 2017

Declaration of Shortlisted Candidates: 25 November 2017 (tentative)

Written test and/or Interview Dates: 7th December 2017 and 8th December 2017 (tentative).