

M.Tech./M.Tech. (R) Admissions for 2023 Session at IIT Mandi

IIT Mandi invites applications for admission through COAP 2023 in the following M.Tech and M.Tech (Research) Specializations for the semester commencing from August 2023.

Minimum Eligibility for Admission in M.Tech./M.Tech. (Research) Specializations:

Programs and Criterion for School of Mechanical and Materials Engineering:

Sl. No	Programs	Qualification for Admission	Remarks/Instructions for filling application form
1	M. Tech. in Fluid and Thermal Engineering	B. Tech in Mechanical/ Aerospace / Chemical or related engineering branches + valid GATE score in Mechanical/Aerospace Engineering	Select area as Mechanical Engineering and Specialization as Fluid and Thermal
2	M. Tech. (Research) in Fluid and Thermal Engineering	B. Tech in Mechanical/ Aerospace or related engineering branches + valid GATE score in Mechanical/Aerospace Engineering	Select area as Mechanical Engineering and Specialization as Fluid and Thermal
3	M. Tech. in Materials and Energy Engineering	B Tech in Mechanical / Metallurgical / Production / Manufacturing / Materials / Chemical / relevant Engineering + valid GATE score Or M Sc. in Physics / Chemistry / or relevant degree + valid GATE Score	Select area as Materials and Specialization as Energy Engineering
4	M. Tech. (Research) in Mechanical Design	B. Tech in Mechanical/ Aerospace Engineering + valid GATE score in Mechanical / Aerospace Engineering	Select area as Mechanical Engineering and Specialization as Mechanical Design
5	M. Tech. (Research) in Manufacturing	B. Tech in Mechanical Engineering + valid GATE score in Mechanical Engineering	Select area as Mechanical Engineering and Specialization as Manufacturing
6	M. Tech. (Research) in Computational	B. Tech in Aerospace/ Chemical/ Civil/ Computer Science Engineering/	Select area as Mechanical Engineering

	Mechanics	Mechanical or related engineering branches + valid GATE score in related Engineering discipline	and Specialization as Computational Mechanics
7	M. Tech. (Research) in Interdisciplinary areas such as Product Design / Electric Vehicles / Robotics / Mechatronics / Bio-mechanics	B. Tech in Aerospace/ Chemical/ Mechanical/ Materials/ Production/ or related engineering branches + valid GATE score in related Engineering discipline	Select main area as Mechanical Engineering and Specialization as Interdisciplinary

Programs and Criterion for School of Civil and Environmental Engineering:

Sl. No	Programs	Qualification for Admission	Remarks/Instructions for filling application form
8	M.Tech. in Structural Engineering	B.Tech. in Civil Engineering / Construction Engineering / Infrastructure Engineering or equivalent + valid GATE score in Civil Engineering	Select area as Civil Engineering and Specialization as Structural Engineering
9	M. Tech. (Research) in Structural Engineering	B.Tech. in Civil Engineering / Construction Engineering / Infrastructure Engineering or equivalent + valid GATE score in Civil Engineering	Select area as Civil Engineering and Specialization as Structural Engineering
10	M. Tech. (Research) in Geotechnical Engineering	B. Tech in Civil/Mechanical /Environmental/Agricultural Engineering + valid GATE score in relevant areas	Select area as Civil Engineering and Specialization as Geotechnical Engineering
11	M. Tech. (Research) in Water Resources Engineering	B.Tech. in Civil/ Environmental/Agricultural Engineering M.Sc. in Environmental Science/Earth Science or equivalent + valid GATE/NET score in relevant areas	Select area as Civil Engineering and Specialization as Water Resource Engineering
12	M. Tech. (Research) in Environmental Engineering	B.Tech. in Civil/ Environmental/Chemical/ Agricultural/ Biotechnology or M.Sc. in Environmental Science/Environmental	Select area as Civil Engineering and Specialization as

		Studies/Earth Science or equivalent + valid GATE/NET score in relevant areas	Environmental Engineering
13	M. Tech. (Research) in Geomatics Engineering	B.Tech in Civil / Electronics Engineering/ Geoinformatics or M.Sc. in Remote Sensing & GIS / Electronics / Geology or equivalent + valid GATE/NET score in relevant areas	Select area as Civil Engineering and Specialization as Geomatics Engineering

Programs and Criterion for School of Computing and Electrical Engineering:

Sl. No	Programs	Qualification for Admission	Remarks/Instructions for filling application form
14	M.Tech (Research) in Control and Automation	Bachelor degree in Engineering/Technology with a valid GATE score or M.Sc. in Mathematics or equivalent with a valid GATE score in related discipline	Specialization as Control and Automation
15	M.Tech in Communications and Signal Processing (CSP)	B.Tech in Electrical /Electronics and Communication /Telecommunications Engineering /Telecommunications Engineering / Electrical and Electronics Engineering /Instrumentation and a valid GATE score in ECE Visit the following for more details: https://www.iitmandi.ac.in/Schools/SCEE/Programmes/MTech_CSP/index.html	Select specialization as Communications and Signal Processing
16	M.Tech in Very Large Scale Integration (VLSI)	BE or B. Tech in Electrical Engineering/ Electronics & Communications/ Instrumentation Or M.Sc. with specialization in Electronics Science are eligible for this course. Candidates should have a valid GATE score in related disciplines.	Select specialization as Very Large Scale Integration

17	M. Tech in Electric Transportation	B.Tech in Electrical Engineering (EE)/ Electrical & Electronics Engineering (EEE)/ Instrumentation and Control/ Electronics & Communication/ Mechanical Engineering/ Automobile/ Production/ Aeronautical Engineering and a valid GATE score in EE/ME disciplines. Visit the following for more details: https://iitmandi.ac.in/Schools/SCEE/program.php https://iitmandi.ac.in/academics/files/Electric_Transportation.pdf	Select specialization as Electric Transportation
18	M.Tech (Research) in Computer Science and Engineering	B.E. / B.Tech. or equivalent from a recognized University/Institute with minimum 60% (or 6.0 CGPA), and a valid score in GATE in Computer Science and Engineering.	Select specialization as Computer Science and Engineering
19	M.Tech in Computer Science and Engineering	B.E. / B.Tech. or equivalent from a recognized University/Institute with minimum 60% (or 6.0 CGPA), and a valid score in GATE in Computer Science and Engineering.	Select specialization as Computer Science and Engineering
20	M. Tech in Power Electronics and Drives	B.E. / B.Tech. in Electrical Engineering (EE)/ Electrical & Electronics Engineering (EEE)/ and a valid GATE score in EE discipline.	Select specialization as Power Electronics and Drives

Programs and Criterion for School of Mathematical and Statistical Sciences:

Sl. No	Programs	Qualification for Admission	Remarks/Instructions for filling application form

21	M.Tech. (Research) in Data Analytics	M.Sc./B.Tech. in Mathematics and Computing/ Applied Mathematics/ Statistics/ Computing/Data Science/Computer Science/ or equivalent + valid GATE score in related discipline.	Select specialization as Data Analytics
22	M.Tech (Research) in Interdisciplinary areas such as Differential Equations / Deep Learning / Control Problems / Computing	M.Sc./B.Tech. in Mathematics and Computing/ Applied Mathematics/ Statistics/ Computing/Data Science/Computer Science/ or equivalent + valid GATE score in related discipline	Select specialization as Interdisciplinary areas
23	M.Tech (Research) in Computational Finance	M.Sc./B.Tech. in Mathematics and Computing/ Applied Mathematics/ Statistics/ Computing/Data Science/Computer Science/ or equivalent + valid GATE score in related discipline	Select specialization as Computational Finance
24	M.Tech (Research) in Machine Learning	M.Sc./B.Tech. in Mathematics and Computing/ Applied Mathematics/ Statistics/ Computing/Data Science/Computer Science/ or equivalent + valid GATE score in related discipline	Select specialization as Machine Learning

Programs and Criterion for School of Biosciences and Bioengineering (SBB):

Sl. No	Programs	Qualification for Admission	Remarks/Instructions for filling application form
25	M. Tech. in Biotechnology	M.Sc./B.Tech. in Life Sciences or related areas with minimum 60% marks (CGPA 6.5/10) with a valid GATE Score in Life Sciences, Biotechnology or other related areas.	Select specialization as Biotechnology

26	M. Tech. (Research) in Biotechnology	M.Sc./B.Tech. in Life Sciences or related areas with minimum 60% marks (CGPA 6.5/10) with a valid GATE Score in Life Sciences, Biotechnology or other related areas.	Select specialization as Biotechnology Research
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Programs and Criterion for Centre for Artificial Intelligence and Robotics (CAIR)

Sl. No	Programs	Qualification for Admission	Remarks/Instructions for filling application form
27	M. Tech. (Research) in Robotics	B.E./B.Tech. with minimum 60% aggregate marks (or Equivalent CGPA) in Electrical Engineering (EE)/ Electrical & Electronics Engineering (EEE)/ Instrumentation and Control/ Electronics & Communication/ Mechanical Engineering/ Automobile/ Production/ Aeronautical Engineering/ related engineering disciplines and a valid GATE score in Aerospace Engineering/ Biomedical Engineering/ Computer Science and Information Technology/ Naval Architecture and Marine Engineering/ Electronics and Communications Engineering/ Electrical Engineering/ Instrumentation Engineering/ Mathematics/ Mechanical Engineering/ Engineering Sciences/ Petroleum Engineering/ Production and Industrial Engineering. More details of CAIR can be found here: https://research.iitmandi.ac.in/cair/	Select specialization as Robotics

Programs and Criterion for Indian Knowledge System and Mental Health Applications (IKSMHA) Centre

Sl. No	Programs	Qualification for Admission	Remarks/Instructions for filling application form
28	M. Tech. (Research)	B.E./B.Tech. in Computer Science/ Electrical/	Select specialization as

in Cognitive Engineering & Indian Thought System	Electronics Engineering or in allied discipline or M.Sc. in Basic Sciences. Minimum 60% marks (CGPA 6.5/10) in B.Tech. / M.Sc. along with a valid GATE/COGJET/UGC-NET Score in relevant areas. More details of IKSMHA Centre can be found here: https://iksmha.iitmandi.ac.in/	Cognitive Engineering & Indian Thought System
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***M.Tech (Research) is a PG program which emphasizes more on research work. For more details, please visit:**

[https://iitmandi.ac.in/academics/files/Ordinances_MTech\(R\).pdf](https://iitmandi.ac.in/academics/files/Ordinances_MTech(R).pdf)

Notes:

- **GATE Score Exemption:** The GATE score is exempted for the candidates if they satisfying the following conditions:
 - a. **For M .Tech (Research) Program:** Candidate with B.Tech/BE degree from Centrally Funded Technical Institutes (CFTIs), with a minimum CGPA of 7.5 on a 10.0 point scale.

OR

The candidate applying for M.Tech (Research) program under self-sponsored seat category without fellowship.
 - b. **For M .Tech Program:** Candidates graduating/ graduated from IITs with B.Tech. Degree and having CGPA (cumulative grade point average) of 8.0 (on a scale of 10) are exempted from GATE score.
- It is mandatory for all candidates to register at Common Offer Acceptance Portal (COAP; <https://coap.iitkgp.ac.in/>) and COAP registration number is mandatory for filling the application form. Admission offers will be made through the COAP portal. The applicant is responsible for the information provided. IIT Mandi or COAP does not take any responsibility for the wrong information provided by the candidates and further consequences.
- B.E. / AMIE / Other Equivalent exams will be considered as B.Tech. One may refer to <https://www.iitmandi.ac.in/sites/default/files/2022-06/Ordinances-for-M.Tech-M.Sc2020.pdf> for M.Tech details. And please explore [https://iitmandi.ac.in/academics/files/Ordinances_MTech\(R\).pdf](https://iitmandi.ac.in/academics/files/Ordinances_MTech(R).pdf) for M.Tech (Research) program details.

- The eligibility criteria mentioned above are minimum and the shortlisting committee(s) may use higher cut-off levels for shortlisting.
- The shortlisting criterion may be different for different programs. Declaration of merit list may be announced separately from different schools for mentioned programs.
- There will not be any direct communication to the candidates regarding the admission process, shortlisting criteria etc. They have to visit IIT Mandi website (www.iitmandi.ac.in) for any updates related to admissions, if any.
- Candidates appearing for final examinations of their B.Tech. program with valid GATE 2023 score can also apply. The admission is offered provisionally for such candidates. At the time of the Interview / Written Test / Counseling / Spot Admissions or combination or at the time of joining, they must bring a certificate in original from the head of Institute stating that by 30th July 2023 (or date notified by the Institute), she/he will have appeared for examination in all subjects required for obtaining his/her B.Tech. degree. In case such candidates fail to secure above mentioned qualification, the provisional admission will be terminated with immediate effect.
- IIT Mandi reserves the right to admit / not admit for any of the advertised areas.
- If the candidate does not satisfy the eligibility and merit list criteria even after getting the offer letter, their candidature will be terminated.
- **Foreign nationals** Candidates who are not citizens of India (by birth or naturalized) and /or are OCI/PIO card holders will be treated as foreign nationals and will consume the seats of foreign nationals. For fellowship, they should fulfil the requirement of the sponsoring agency/authority. They must meet minimum education requirements applicable for regular students. International students are expected to have a working knowledge of English.
- **First preference** shall be considered for shortlisting the received admission applications. Applicants are advised to fill the program and specialization preference carefully on OAS application portal.
- **Self-finance (without fellowship)**: This admission category is open for only **M.Tech (Research)** programs. Candidates submitting application under this category are exempted from GATE qualification; however they should not register in COAP for the admission. Only they need to submit an application to IIT Mandi application portal, with data for GATE as “**Not Applicable**” and application under “**Self-finance (without fellowship)**” category. They will get a call for counseling/interview (tentatively 24-28 Jul 2023) at IIT Mandi, if the seat will be vacant after COAP 2023 counseling.

- For each specialization, candidates should submit a separate application with the application fee.

Application Procedure

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

For any problems regarding filling-up of online applications, please send mail to (oassupport@iitmandi.ac.in).

For any other queries,

- You may contact for School of Mechanical and Materials related program at smmeadmissions@iitmandi.ac.in
- You may contact for School of Civil & Environmental Engineering related program at scene_admissions@iitmandi.ac.in
- You may contact for School of Computing and Electrical related program at sceoffice@iitmandi.ac.in
- You may contact for School of Mathematical & Statistical Sciences related program at smssoffice@iitmandi.ac.in
- You may contact for School of Biosciences & Bio Engineering related program at sbboffice@iitmandi.ac.in
- You may contact for Centre of Indian Knowledge System and Mental Health Application (IKSMHA) related program at cocoord-iksmha@iitmandi.ac.in
- You may contact for Centre of Centre Artificial Intelligence and Robotics (CAIR) related program at cairoffice@iitmandi.ac.in

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; and submit generated transaction number to the OAS admission application portal (<https://www.onlinesbi.com/sbicollect/icollecthome.htm>). *One application fee is valid for the single application. The application fee is non-refundable.*

Important Dates

Starting date for filling Online Application: 21 March 2023



Last date for filling Online Application: 20 April 2023

Declaration of Results: Through COAP

Basis of Selection

The Institute reserves the right to provide admission via COAP 2023. **If required, admissions committee can call a limited number of candidates for written test / interview / counseling / spot admission or combination, based on performance in GATE, grades / marks in the qualifying examination, UG etc.** Reservation policies as per prevailing rules will be followed.