



भारतीय प्रौद्योगिकी संस्थान इंदौर

Indian Institute of Technology Indore

IIT/M. Tech./M.S. (Research) Admission-2024/2024-25/01

March 18, 2024

ADMISSION TO M.TECH. AND M.S. (RESEARCH) PROGRAMS FOR THE ACADEMIC YEAR 2024-25

IIT Indore invites applications from highly motivated and research-oriented applicants for admission to its M.Tech. and M.S. (Research) Programs in the following Departments, Centers, and Specializations under the following admission categories.

M. TECH. PROGRAMS:

S. No	Departments /Centers	Specializations	Minimum Educational Qualification (MEQ) for both Indian and International applicants	Qualifying Examination (QE)		Admission Category	
				Indian applicants	International applicants	Indian applicants	International applicants
1	Electrical Engineering	Communication & Signal Processing*	Four-year Bachelor's degree or five-year integrated degree with first division (as defined by the awarding Institute/ University for Indian applicants and equivalent for international applicants) in Electrical/ Electronics and Communication/ Electronics and Instrumentation/ Telecommunication/ Computer Science and Engineering/ Information Technology	Valid GATE qualification in Electronics and Communication (EC) ONLY.	Valid score of GRE /TOEFL/ IELTS or equivalent, a statement of purpose, letters of recommendation, and an interview (in-person or over video conference).	1. TA: Teaching Assistantship (TA) category as Full-Time student. 2. SW: Sponsored by a reputed Industry or R&D Organization with a minimum work experience of two years 3. DF: Applicants from the Defence Forces. 4. IS: Regular staff members of IIT	1. ISF: Self-Financing 2. ISW: Sponsored by Non-Government Organization (i) Industry Sponsorship (ii) NGO (Non-Government Organization) Sponsorship 3. GSW: Sponsored by a Government organization (i) ICCR Scholarship of
2		VLSI Design and Nanoelectronics*	Four-year Bachelor's degree or five-year integrated degree with first division (as defined by the awarding Institute/University for Indian applicants and equivalent for international applicants) in Electronics and Communication Engineering or Electronics Engineering or Electrical Engineering or Instrumentation and Control Engineering or Computer Science and Engineering	Valid GATE qualification in EC/EE/IN/CS or CSIR-JRF or equivalent fellowship.			

3	Mechanical Engineering	Advanced Manufacturing	Four-year Bachelor's degree or five-year integrated degree with first division (as defined by the awarding Institute/ University for Indian applicants and equivalent for international applicants) in Mechanical/ Production/ Industrial/ Manufacturing, Materials and Metallurgical/ Mechatronics/ Automobile Engineering	Valid GATE qualification either in Mechanical Engineering (ME)/ Production and Industrial (PI) Engineering		Indore on a Part-Time basis.	Government of India (ii) Foreign Government Sponsorship
4		Mechanical Systems Design	Four-year Bachelor's degree or five-year integrated degree with first division (as defined by the awarding Institute/University for Indian applicants and equivalent for international applicants) in Mechanical Engineering	Valid GATE Qualification in Mechanical Engineering (ME)			
5		Thermal Energy Systems	Four-year Bachelor's degree or five-year integrated degree (with first division as defined by the awarding Institute / University for Indian applicants and equivalent to international applicants, as assessed by the Institute) in Mechanical Engineering.	Valid GATE qualification in Mechanical Engineering (ME)			
6		Applied Optics and Laser Technology	B.E/ B.Tech. (Mechanical/ Electrical/ Electronics and Communication/ Instrumentation and Control/Production and Industrial Engineering/ Biotechnology/ Engineering Physics/Metallurgical Engineering and Material Science/Aerospace Engineering/Space science Engineering/) or M.Sc. (Physics/ Astronomy/ Material Science/ Applied optics/ Biotechnology).	Valid GATE in ECE, EE, IN, ME, PH, PI, AE & MT. <i>This program is restricted to Indian Nationals. only</i>			

7	Metallurgical Engineering and Materials Science	Materials Science and Engineering	Four-year bachelor's degree or five-year integrated degree (with the first division as defined by the awarding Institute/University for Indian applicants and equivalent for international applicants) in Materials Science/ Physics/ Chemistry/ Nanoscience/ Nanotechnology/ Engineering Science/ Engineering Physics/ Metallurgical Engineering /Chemical Engineering or two years master's degree in chemistry/ physics/ Materials Science/ Nanoscience/ Nanotechnology.	Valid GATE / CSIR-JRF qualification in relevant areas i.e. Physics/ Chemistry/ Engineering Science/ Metallurgical Engineering / Chemical Engineering / Physical Sciences / Chemical Sciences			
8		Metallurgical Engineering	Four-year Bachelor's degree or five-year integrated degree (with first division as defined by the awarding Institute/ University for Indian applicants and equivalent for international applicants) in either in Metallurgical/ Materials Science and Engineering/ Mechanical/ Manufacturing/ Production Engineering.	Valid GATE qualification in Metallurgical Engineering/ Mechanical Engineering/ Production and Industrial Engineering / Engineering Sciences (XE)			
9	Astronomy, Astrophysics and Space Engineering	Space* Engineering	Four-year Bachelor's degree or five-year integrated degree (with first division as defined by the awarding Institute/ University for Indian applicants and equivalent for international applicants) in Electronics and Communication/ Electronics/ Engineering Physics / Aerospace, or M.Sc. in Physics/ Electronics/ Atmospheric science.	Valid GATE qualification in Aerospace Engineering /Electronics and Communication Engineering / Physics/ Engineering Sciences (Engineering Mathematics + Fluid Mechanics /Material Science/ Thermodynamics/ Atmospheric and Oceanic Sciences)			

10	Centre for Electric Vehicles and Intelligent Transport Systems	Electric Vehicle Technology	Four-year Bachelor's degree or five-year integrated degree (with first division as defined by the awarding Institute/ University for Indian applicants and equivalent for international applicants) in Mechanical/Electrical/ Electronics and Communication/Automobile/ Instrumentation and Control/ Electronics/ Instrumentation / Production/Mechatronics Engineering.	Valid GATE qualification in Mechanical (ME)/Electrical (EE)/Electronics and Communication (EC)/Production and Industrial (PI) / Instrumentation (IN) Engineering/Engineering Sciences (XE; Engineering Mathematics with Fluid mechanics/ Material Science/ Solid mechanics /Thermodynamics)			
11	Computer Science and Engineering	Computer Science and Engineering	Four-year Bachelor's degree in Computer Science and Engineering, Information Technology, Electronics and Communication Engineering or Electronics Engineering or Electrical Engineering (with first division/ first class/ as defined by the awarding Institute/ University or Equivalent grade for Indian applicants and equivalent to International applicants, as assessed by the Institute).	Valid GATE qualification in CS			

12	Biosciences and Biomedical Engineering	Biomedical Engineering	<p>i). B.E./B.Tech. /AMIE or equivalent in Biomedical Engineering (BM), Biotechnology (BT), Chemical Engineering (CH), Computer Science and Engineering/ Information Technology (CS), Electrical Engineering (EE), Electronics/Telecommunications Engineering (EC), Engineering Physics (EP), Instrumentation Engineering (IN), Mechanical Engineering (ME), Metallurgical & Materials Science (MT), Pharmaceutical Technology (PY), Other Engineering (ZE) (with the first division as defined by the awarding Institute/University)</p> <p>OR</p> <p>ii). M.Sc. or equivalent in Biochemistry (BY), Biophysics (BP), Biotechnology (BT), Ceramics (CG), Chemistry (CY), Electronics / Electronic Sciences (EC), Ergonomics (ER), Materials Science (MS), Mathematics (MA), Molecular Biology (MG), Physics (PH), Physiology (PS), Other Science (ZS) (with the first division as defined by the awarding Institute/University)</p> <p>OR</p> <p>iii). **Health Sciences such as MBBS (Medicine) / BDS (Dental), B.Pharm/B.V.Sc., B.P.Th. ,B.O.Th., B.ASLP) (Duration 4 years or more) (with the first division as defined by the awarding Institute/University)</p> <p>**All India level postgraduate entrance examination for corresponding disciplines such as INI_CET/NEET-PG/NEET-MDS/JIPMER/PGI Chandigarh/AFMC-Pune/DNB Part-I for MBBS/BDS, GPAT/ All India level selection examination for B.Pharm.,</p> <p>All India level postgraduate entrance examination for M.V.Sc., M.P.Th., M.O.Th. and M.ASLP, or GATE examination for all such health science background.</p>	Valid GATE score in any discipline for engineering and science graduates (for (i) and (ii) of MEQ)			
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			<p>For International applicants): Four-year Bachelor's degree or five-year integrated degree (with the first division as defined by the awarding Institute/University) in Biomedical Engineering/ Instrumentation Engineering/ Electrical Engineering/ Mechanical Engineering/ Engineering Sciences/ Biotechnology/ Life Sciences/ Physics/ Chemistry.</p>				
13	Civil Engineering	Structural Engineering	Four-year Bachelor's degree or five-year integrated degree (with first division as defined by the awarding Institute/ University for Indian applicants and equivalent to international applicants, as assessed by the Institute) in Civil Engineering.	Valid GATE qualification in Civil Engineering			
14		Water, Climate and Sustainability	Four-year Bachelor's degree or five-year integrated degree (with first division as defined by the awarding Institute/ University for Indian applicants and equivalent to International applicants, as assessed by the Institute) in Civil/Agricultural/Infrastructure/Environmental/Geomatics Engineering.	Valid GATE qualification in Civil Engineering (CE)/ Agricultural Engineering (AG)/ Environmental Science and Engineering (ES)/ Geomatics Engineering (GE)			

15	Centre of Futuristic Defence and Space Technology	Defence Technology	Four-year Bachelor's degree in Engineering with first division/ first class as defined by the awarding Institute/ University for Indian applicants and equivalent to international applicants, as assessed by the Institute.	(Minimum 2 years of experience in Defence Laboratory / ISRO / Defence Industry / Equivalent limited associated industry	<i>This program is restricted to Indian Nationals only</i>	Indian Students: Only for the Highly motivated sponsored candidate (SW) from highly reputed Defence R & D organizations such as DRDO, ISRO, BHEL, ADE, ADA, etc., and highly reputed defence Industries; (ii) Defence Forces (DF): Candidates sponsored by the Defence Forces.
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****Selection for the M. Tech. programs would be based on performance during the personal interview of the shortlisted candidates as per institute guidelines.***

M.S. (RESEARCH) PROGRAMS:

S. No.	Departments /School	Specializations	Minimum Educational Qualification (MEQ) for both Indian and International applicants	Qualifying Examination (QE)		Admission Category	
				Indian applicants	International applicants	Indian applicants	International applicants
1	Computer Science and Engineering	M. S. (Research) CSE**	Four-year Bachelor's degree or five-year integrated degree with first division (as defined by the awarding Institute/University for Indian applicants and equivalent for international applicants) in Computer Science and Engineering or Information Technology	Valid GATE qualification in Computer Science and Information Technology (CS)	Valid score of GRE/TOEFL/ IELTS or equivalent, a statement of purpose, letters of	1. TA: Teaching Assistantship (TA) category as Full-Time student.	1. ISF: Self-Financing 2. ISW: Sponsored by Non-Government Organization
2	Electrical Engineering	M. S. (Research) EE**	Four-year Bachelor's degree or five-year integrated degree (with first division as defined by the awarding Institute/ University for Indian applicants and equivalent to international applicants, as assessed by the Institute) in Electrical Engineering or Electronics Engineering or Electronics and Communication Engineering or Electronics and Instrumentation Engineering.	Valid GATE qualification in Electrical Engineering (EE) or Electronics and Communication Engineering (EC) or Electronics and Instrumentation Engineering (IN)	recommendation, and an interview (in-person or over video conference)	2. SW: Sponsored by a reputed Industry or R&D Organization with a minimum work	(i) Industry Sponsorship (ii) NGO (Non-Government Organization) Sponsorship

3	Mechanical Engineering	M. S. (Research)ME**	Four-year Bachelor's degree or Five-year integrated degree (with first division as defined by the awarding Institute/ University for Indian applicants and equivalent to international applicants, as assessed by the Institute) in Mechanical or Production or Manufacturing or Industrial or Mechatronics or Aerospace or Automobile or Robotics Engineering.	Valid GATE qualification in Mechanical Engineering (ME) or Production and Industrial Engineering (PI) or Aerospace Engineering (AE)		experience of two years 2. DF: Applicants from the Defence Forces. 3. IS: Regular staff members of IIT Indore on Part-Time basis.	3. GSW: Sponsored by a Government organization. (i) ICCR Scholarship of Government of India (ii) Foreign Government Sponsorship
4	Department of Astronomy, Astrophysics and Space Engineering	MS (Research) SSE Space Science and Engineering**	A four-year bachelor's degree (BE or B.Tech.), or a two-year or five-year integrated master's degree (MSc or M. Tech. or ME) with first class or first division (as decided by the awarding institute/university), in Physics, Applied Physics, Astronomy, Astrophysics, Space Science and Engineering, Earth and Atmospheric Science and Engineering, Remote Sensing, Engineering Physics, Aerospace Engineering, Aeronautics, Electronics and Communications Engineering, Electrical Engineering.	Valid GATE qualification in the relevant disciplines. Relevant GATE papers: AE, EC, EE, PH, XE			
5	School of Humanities and Social Sciences	M. S. (Research) HSS**	Four-year degree or Masters' degree (MA/ MSc or Equivalent) or Five-year integrated degree (with first division as defined by the awarding Institute/ University for Indian applicants and equivalent to international applicants, as assessed by the Institute) in any subject.	Valid GATE Score in HSS			

**** Selection for M.S. (Research) programs would be based on the personal interview of the shortlisted applicants**

(A) INSTRUCTIONS FOR INDIAN APPLICANTS FOR TEACHING ASSISTANTSHIP (TA)

The registration process for GATE-qualified applicants for M. Tech./M. S. (Research) admission for the academic year 2024-25.

1. **Registration requirement:** All GATE-qualified applicants must register at the **Common Offer Acceptance Portal (COAP-2024)** for M. Tech./M. S. (Research) admission for the academic year 2024-25.
2. **COAP 2024 website:** The registration is to be done through the COAP 2024 website, which can be accessed at <https://iitk.ac.in/coap2024/index>
3. **Latest updates:** Applicants are advised to regularly check the academic webpage of IIT Indore and the COAP 2024 website for the latest updates regarding the admission process/ procedure.
4. **Accessing offers:** After successfully completing registration at COAP 2024, the applicants will be able to access information on any offers made to them from participating institutes through the COAP portal. The time windows for accessing these offers will be announced on the COAP 2024 portal <https://iitk.ac.in/coap2024/index>.
5. The applicants will be short-listed according to the institute guidelines. IIT graduates having CPI equal to or more than 8.0 are exempted from GATE qualification. The shortlisting of such applicants will be done based on their CPI.
6. No separate call letter will be sent to the short-listed applicants for the selection process.
7. Among the short-listed applicants, those who have accepted their offers through the COAP 2024 portal would be eligible for the admission offer letter against the respective PG program and in the respective category (as mentioned at the time of submission of the application), which would strictly be in the order of merit.
8. After verification of all the relevant documents, submission of the GATE scorecard, and payment of the admission fee/ semester registration fee (which will be announced separately), admission will be given on the day of course registration to those applicants who have accepted the admission offer by IIT Indore.
9. In case an applicant wishes to apply for more than one program then a separate application must be filled out against each program and a separate application fee must be paid.

(B) INSTRUCTIONS FOR INTERNATIONAL APPLICANTS:

1. **Definition of International applicant:** Anyone who is not a citizen of India will be considered an international applicant for admission.
2. Applicants must apply ONLINE through our website <https://academic.iiti.ac.in>. This will generate a unique application number for each applicant.
3. In case an applicant wishes to apply for more than one program then a separate application must be filled out against each program and a separate application fee must be paid.
4. Final selection shall be based on performance in the written test/ interview, which can be conducted through video conferencing also, for the shortlisted applicants (this would be completely at the discretion of respective departments)..

For detailed information, international applicants should visit the academic web page of IIT Indore <https://academic.iiti.ac.in/> and may visit the following websites:
<https://ir.iiti.ac.in/#/>

(C) IMPORTANT DATES:

ACTIVITIES	DATES FOR INDIAN AND INTERNATIONAL APPLICANTS
Starting of online application	March 18, 2024
Closing of online application for the TA category	April 17, 2024
Close for online application for the non-TA category	May 10, 2024
Reporting and registration of newly joined candidates (at IIT Indore)	July 23, 2024*

**Indicates that the date is tentative.*

(D) CORRESPONDENCE DETAILS:

List of M.Tech. Program coordinators with contact details:

M.Tech. programs	Program coordinators	Contact details	Address
M. Tech. in Communication & Signal Processing (CSP)	Dr. Sumit Gautam Assistant Professor, Department of Electrical Engineering	pc-csp@iiti.ac.in Tele: +91-0731-660-3189	Indian Institute of Technology Indore, Simrol, Khandwa Road, Indore, Pin Code 453 552, Madhya Pradesh, India
M. Tech. in VLSI Design and Nanoelectronics (VDN)	Prof. Abhinav Kranti Professor, Department of Electrical Engineering	pc-vdn@iiti.ac.in Tel: +91-0731-660-3264	
M. Tech. in Advanced Manufacturing (AM)	Dr. Girish Chandra Verma Assistant Professor, Department of Mechanical Engineering	pc-am@iiti.ac.in Tele: +91-0731-660-3208	
M. Tech. in Mechanical Systems Design (MSD)	Dr. Krishna Mohan Kumar Assistant Professor, Department of Mechanical Engineering	pc-msd@iiti.ac.in Tele: +91-0731-660-3359	
M. Tech. in Thermal Energy Systems (TES)	Dr. Harekrishna Yadav Assistant Professor, Department of Mechanical Engineering	pc-tes@iiti.ac.in Tele: +91-0731-660-3209	
M. Tech. in Materials Science and Engineering (MSE)	Dr. Ranjith K. Poobalan Associate Professor, Department of Metallurgical Engineering and Materials Science	pc-mse@iiti.ac.in Tele: +91-0731-660-3258	
M. Tech. in Metallurgical Engineering (ME)	Dr. D.A. Basha Assistant Professor, Department of Metallurgical Engineering and Materials Science	pc-me@iiti.ac.in Tele: +91-0731-660-3252	
M. Tech. in Electric Vehicle Technology (EVT)	Dr. Shailesh Kundalwal Associate Professor, Department of Mechanical Engineering	pc-evt@iiti.ac.in Tele: +91-0731-660-3284	
M. Tech. in Space Engineering (SE)	Dr. Saurabh Das Assistant Professor, Department of Astronomy, Astrophysics, and Space Engineering	pc-M. Tech.-se@iiti.ac.in Tel: +91-0731-660-3306	
M. Tech. in Computer Science and Engineering (CSE)	Dr. Aniruddh Singh Kushwaha Assistant Professor, Computer Science and Engineering	pc-mtcse@iiti.ac.in Tel: +91-0731-660-3453	
M. Tech. in Water, Climate and Sustainability (WCS)	Prof. Manish Kumar Goyal Professor, Civil Engineering	pc-wcs@iiti.ac.in Tel: +91-0731-660-3288	
M. Tech. in Biomedical Engineering (BME)	Dr. Sharad Gupta Associate Professor, Department of Biosciences and Biomedical Engineering	pc-bme@iiti.ac.in Tel: +91-0731-660-3222	
M. Tech. in Applied Optics and Laser Technology (AOLT)	Prof. I.A. Palani Professor, Department of Mechanical Engineering	pc-mtechaolt@iiti.ac.in Tel: ++91-0731-660-3232	
M. Tech. in Structural Engineering (SE)	Dr. Guru Prakash Assistant Professor, Civil Engineering	pc-se@iiti.ac.in Tel: +91-0731-660- 3215	
M. Tech. in Defence Technology (DT)	Dr. Krishna Mohan Kumar Assistant Professor, Department of Mechanical Engineering	pc-dt@iiti.ac.in Tele: +91-0731-660-3359	

List of M. S. (Research) Program coordinators with contact details:

M. S. (Research) programs	Program coordinators	Contact details	Address
M. S. (Research) in Computer Science and Engineering	Dr. Puneet Gupta Assistant Professor, Department of Computer Science and Engineering	pc-mscse@iiti.ac.in Tele: +91-0731-660-3291	Indian Institute of Technology Indore, Simrol, Khandwa Road, Indore. Pin Code 453 552, Madhya Pradesh, India
M. S. (Research) in Electrical Engineering	Prof. Trapti Jain Professor, Department of Electrical Engineering	pc-msee@iiti.ac.in Tele: +91-0731-660-3267	
M. S. (Research) in Mechanical Engineering	Dr. Vibhor Pandhare Assistant Professor, Department of Mechanical Engineering	pc-msme@iiti.ac.in Tele: +91-0731-660-5580	
M. S. (Research) in Space Science and Engineering	Dr. Manoneeta Chakraborty Assistant Professor, Department of Astronomy, Astrophysics, and Space Engineering	pc-ms-sse@iiti.ac.in Tele: +91-0731-660-3358	
M. S. (Research) in HSS	Dr. Mohanasundari Thangavel Assistant Professor, School of Humanities and Social Sciences	pc-ms-hss@iiti.ac.in Tele: +91-0731-660-3367	

(E) GENERAL GUIDELINES:

1. Applicants under the admission categories of SW, DF, and IS are exempted from the GATE qualification. Therefore, applicants under DF, SW, and IS categories need not register on the COAP portal.
2. **There is no provision for providing scholarships to the SW, DF, IS, and international applicants.**
3. Some of the PG programs at IIT Indore have the option to convert into M. Tech. + PhD or MS (R) + PhD dual degree program during the fourth semester of a PG program.
4. **Relaxation of 5% in the minimum required percentage/CPI/ CGPA in the qualifying degree applies to SC, ST, and PwD category applicants, as per the Gol norms.**
5. Applicants under IS, DF, and SW categories are required to send the following documents in original, along with a copy of the application form to the concerned Program coordinator. However, copies of these documents should also be sent along with the original application form as required by the respective department/Program coordinators.
 - i. Form for Sponsorship letter for applicants applying under IS, SW, and DF categories (Link: <https://academic.iiti.ac.in/phdforms/Form%20for%20Sponsorship%20letter%20for%20applicants%20under%20IS,%20SW%20and%20DF%20category.pdf>)
 - ii. Form for NOC for applicants applying under IS, SW, and DF categories (Link: <https://academic.iiti.ac.in/phdforms/Form%20for%20NOC%20for%20applicants%20under%20IS,%20SW%20and%20DF%20category.pdf>)
 - iii. Form for selecting a Co-Supervisor from an External or Sponsoring Organization (if required) (Link: <https://academic.iiti.ac.in/phdforms/Form%20for%20selecting%20a%20Co-Supervisor%20from%20an%20External%20or%20Sponsoring%20Organization.pdf>)

- iv. Form for the employer for the applicants joining PG or Ph.D. program on study leave under SW and DF category (Link: <https://academic.iiti.ac.in/phdforms/Form%20for%20the%20employer%20for%20the%20candidates%20joining%20PG%20or%20PhD%20program%20on%20study%20leave%20under%20%20SW%20and%20DF%20category.pdf>)
- v. The selected candidates will be granted provisional admission which shall be confirmed only after ascertaining the authenticity of certificates and testimonials submitted in support of MEQ, QE, category, income, etc. during physical verification at the Institute.

**ACADEMIC OFFICE, PG SECTION
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