



भारतीय प्रौद्योगिकी संस्थान इंदौर

INDIAN INSTITUTE OF TECHNOLOGY INDORE

IITI/M.Tech/M.S. (Research) Admission-2023/2023-24

March 31, 2023

Admission to M.Tech. and M.S. (Research) Programs for the Academic Year 2023-24

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	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
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 or CSIR-JRF or equivalent fellowship in EC/EE/IN/CS.			

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		experience of two years 3. DF: Applicants from the Defence Forces. 4. IS: Regular staff members of IIT Indore on a Part-Time basis.	Government organization (i) ICCR Scholarship of 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.			
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). A relaxation of 5% in the qualifying degree is applicable for SC, ST and PwD category applicants.	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 post graduate 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. Relaxation of 5% in qualifying degree is applicable for SC, ST and PwD category applicants.	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. Relaxation as per GoI norms in qualifying degree is applicable for SC and ST category applicants.	GATE Score and/ or Interview (Valid GATE score compulsory for TA category)			

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. Relaxation of 5% in qualifying degree is applicable for SC, ST and PwD applicants.	(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 MTech (Communication & Signal Processing and VLSI Design and Nanoelectronics) program would be based on performance during the personal interview of the shortlisted candidates.***

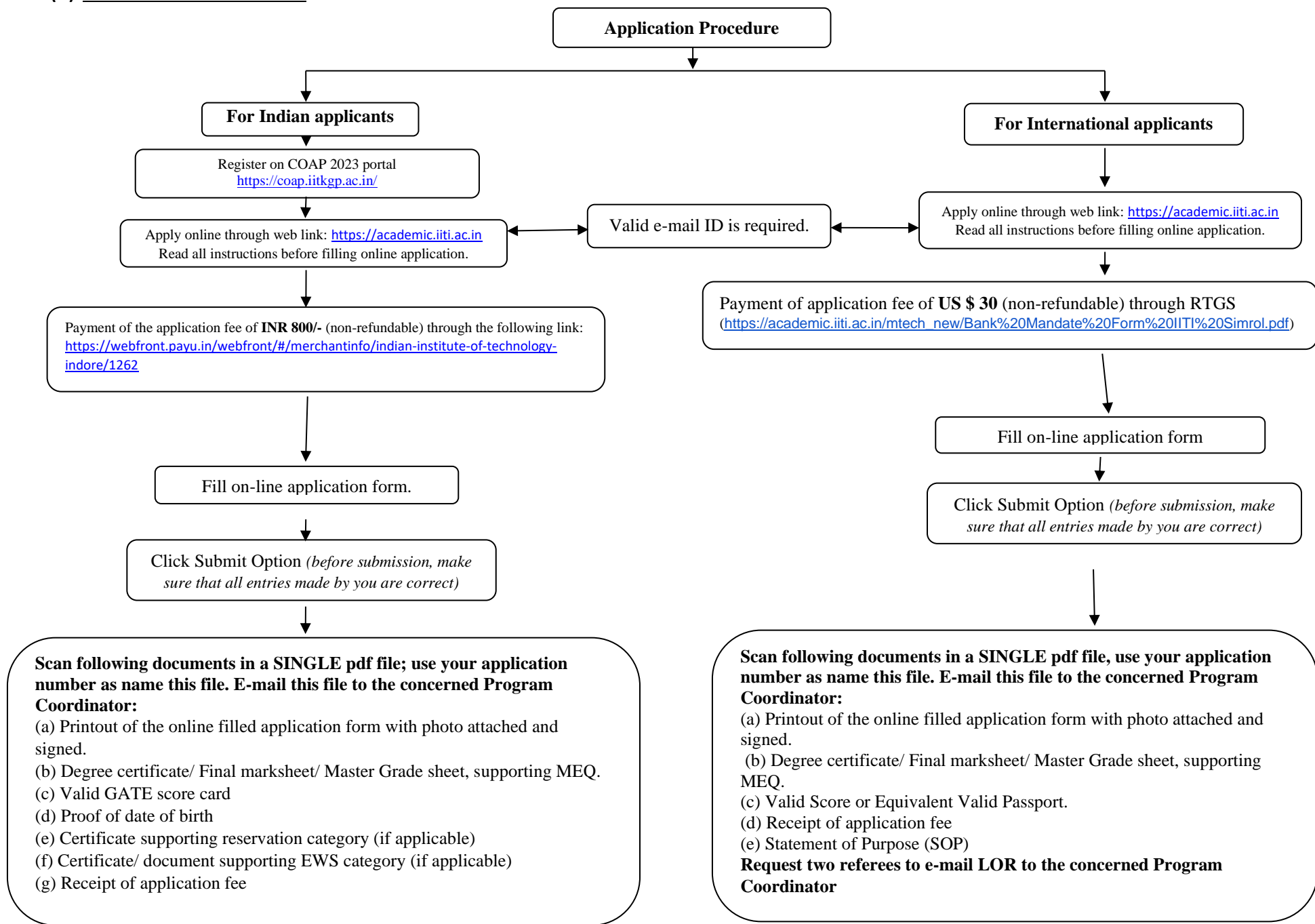
M.S. (RESEARCH) PROGRAMS:

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	MS (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 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	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 Government of India (ii) Foreign Government Sponsorship
2	Electrical Engineering	MS (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 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)		2. DF: Applicants from the Defence Forces. 3. IS: Regular staff members of IIT Indore on Part-Time basis.	
3	Mechanical Engineering	MS (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)			

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 years or five years integrated master's degree (MSc or MTech 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	MS (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) APPLICATION PROCEDURE:



All GATE-qualified applicants, who have submitted admission applications should also register at Common Offer Acceptance Portal (COAP-2023) for making a decision against admission offers (if any) on COAP 2023 website <https://coap.iitkgp.ac.in/> as and when activated by the organizing Institute. All applicants are advised to keep visiting the Academic webpage of IIT Indore and the COAP 2023 website for the latest updates.

1. After successful completion of registration at COAP 2023, an applicant will be able to access information on his/her offers made (if any) from the participating Institutes during the time windows to be announced on the COAP 2023 portal.
2. The applicants will be short-listed according to their GATE score. 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.
3. No separate call letter will be sent to the short-listed applicants for the selection process.
4. Among the short-listed applicants, those who are selected through COAP 2023 will be offered in the respective PG program and in the respective category (as mentioned at the time of application) strictly in the order of merit.
5. After verification of all the relevant documents, submission of the GATE scorecard, and payment of the admission fee (which will be announced separately), admission will be given on the day of course registration to those applicants who accept the offer of admission.
6. In case an applicant wishes to apply to more than one program then a separate application must be filled out for each program and a separate fee has to be paid for each application.

(C) INSTRUCTIONS FOR INTERNATIONAL APPLICANTS:

1. **Definition of International applicant:** Anyone who is not a citizen of India will be considered an international applicant for the purpose of 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 to more than one program then a separate application must be filled out for each program and a separate fee must be paid for each application.
4. Selection shall be based on performance in the interview, which can be conducted through video conferencing also, for the shortlisted applicants.

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/#/>

(D) IMPORTANT DATES:

Activities	Dates for Indian and International applicants
Start of online application	March 31, 2023
Last date for online application	April 30, 2023
Last date for online application for the non-TA category	May 10, 2023
Commencement of the programs	July 24, 2023

(E) CORRESPONDENCE DETAILS:

Application with supporting documents for M. Tech. /M.S. (Research) Programs to be sent to the Office of the concerned Program Coordinator through email (in a single pdf file) as mentioned below:

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-vdh@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 Material Science and Engineering (MSE)	Dr. Mrigendra Dubey 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. Sumanta Samal 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-mtech-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	dpgccse@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	palaniia@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	

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. Vijai Laxmi Assistant Professor, Department of Mechanical Engineering	pc-msme@iiti.ac.in Tele: +91-0731-660-3174	
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	

(F) 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 instead they must send their application directly to the concerned program coordinator after registering on the IIT Indore portal.
2. Scholarship may be paid to the students admitted under Teaching Assistantship (TA) category as per the existing norms after successful completion of the assigned TA duties on a monthly basis.
3. **No Scholarship is available for SW, DF, IS, and international applicants.**
4. Some of the PG programs at IIT Indore have the option to convert into M.Tech. + Ph.D. or M.S. + Ph.D. dual degree program during the fourth semester of a PG program.
5. **Relaxation of 5% in the minimum required percentage/ CPI/ CGPA in the qualifying degree is applicable to SC, ST, and PwD category applicants.**
6. 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 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 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
Abhiandan Bhavan, First Floor
Indian Institute of Technology Indore
Simrol Campus, Khandwa Road, P.O. Simrol,
Indore-453552, Madhya Pradesh, India**
