

INFORMATION BROCHURE

सूचना विवरणिका

2024-25
Admission



PG Programme

(M.Tech./M.Arch./M.U.R.P.)

भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की, हरिद्वार, उत्तराखंड - 247667

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE, HARIDWAR, UTTARAKHAND- 247667

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POSTGRADUATE PROGRAMMES

1.1 Introduction to Postgraduate Academic Programmes leading to M.Tech./ M.Arch./ M.U.R.P. (Two years duration)

The postgraduate programmes in Engineering and Architecture include 48 full-time specialized programmes leading to M.Tech. / M.Arch. / M.U.R.P. degrees. Details of different academic programmes leading to M.Tech. / M.Arch. / M.U.R.P. degree available in different departments along with their codes, GATE Disciplines, the minimum educational qualifications for admission are given in **Table-1**. The curriculum structure of these programmes is given on the Institute website: www.iitr.ac.in

The regulations in force determine the general academic requirements for the above programmes.

The minimum duration of all academic programmes would be four semesters for Full-Time candidates and six semesters for Part-Time candidates.

1.2 Dual Degree Programme

The M.Tech./M.Arch./MURP candidates pursuing PG degree in any deptt/centre of IITR are permitted to switch over to Ph.D. Programme after 1st year subject to satisfying eligibility criteria.

2

ADMISSION CATEGORIES

- a) **GATE Qualified Candidates.**
- b) **IIT Graduates**
- c) **Golden Girl Scheme for Female Applicants**

3

ELIGIBILITY REQUIREMENTS FOR ADMISSION TO M.TECH. / M.Arch. / M.U.R.P. DEGREE PROGRAMMES

Candidates who possess the minimum educational qualifications as given in **Table-1** are eligible to seek admission to these Postgraduate programmes.

a) GATE Qualified Candidates.

Candidates of General, Gen-EWS and OBC category must have secured at least 60% marks or CGPA of 6.00 on a 10 point scale at the qualifying degree level; but for SC/ST/PD category candidates, this percentage is 55% or 5.50 CGPA on a 10 point scale. The marks awarded for the qualifying degree will be considered for eligibility.

In case of CGPA awarded on different point scale, **Table-2** as approved by the Senate of the Institute will be considered for deciding eligibility.

Admission to Postgraduate programmes leading to M.Tech. / M.Arch. / M.U.R.P. degree as given in **Table-1**, will be open to the candidates qualified in GATE on the basis of valid Normalized GATE marks in the disciplines. **The normalized GATE marks of different papers will be used to prepare the merit list for programmes of a department. These Normalized GATE marks will be calculated by IIT Roorkee as follows:**

$$\text{Normalized GATE Marks In the Paper} = \frac{\text{Marks Out of 100}}{\text{Maximum Marks Awarded in that Paper in that year}} \times 100$$

Example: Assume marks scored by the candidate is 64 out of 100 in EE Paper, where maximum marks in EE paper of that year is, say, 92. Then normalized GATE marks of the candidate in EE paper will be as follows:-

$$\text{Normalized GATE Marks in EE Paper of the candidate} = \frac{64}{92} \times 100 = 69.57$$

b) IIT Graduates

Direct admission without GATE will be offered to IIT graduates with a minimum CGPA of 8.00 on a 10 point scale.

Intake will be supernumerary.

c) Golden Girl Scheme for Female Applicants

Direct admission for female candidates under “Golden Girl Scheme”

- a) Eligibility: FIRST Rank Holder (Gold Medallist) female candidates from an IIT and/or Institute/University within the TOP 50 ranks (OVERALL category) in the NIRF in the most recent year.

- b) Relaxation: The requirement of qualifying an All-India Level Exam shall be EXEMPTED. However, all other MEQs will be applicable as per the institute policy.
- c) Intake: Intake shall be supernumerary.

Note:

- i. Final year students who will be completing all the requirements of their qualifying examination including backpaper(s) / supplementary(ies) before the date of registration may also apply. Such candidates may be admitted provisionally but they will be required to produce the proof of having passed the qualifying degree with the required percentage of marks or CGPA within the stipulated period to be decided by the institute, failing which their admission shall be cancelled.
- ii. A candidate appearing in any part of the qualifying examination including supplementary examination etc. after the date of registration shall not be considered to have qualified for admission in the year 2024-25 and if such a candidate is registered provisionally his/her admission shall be terminated.
- iii. Candidates having AMIE/ AMIS/ AMIIChe/ AMIIM/ Grad IETE, who possess B.Sc. or Diploma in engineering and have at least three years research, teaching or other professional experience at the submission of last date of application acquired in relevant field, are also eligible to apply for admission to M.Tech. courses.

Table – 1

Details of Academic Programmes leading to M.Tech./M.Arch./M.U.R.P. Programmes 2024-25

Sl.No	Academic Department/ Centre/ School & (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
1	Architecture and Planning (ARD)	10	M.Arch.	AR	B.Arch. or its equivalent in relevant discipline.
		11	M.U.R.P.	AR/CE	B.Arch. or its equivalent in relevant discipline or Bachelor's degree in Civil Engg./ B.Planning
2	Hydro and Renewable Energy (HRE)	12	M.Tech. Renewable and Hydro Energy	CE/AG/CH/EE/EC/ ME/PI/XE/IN	Bachelor's degree in Civil/Electrical/ Mechanical/ Instrumentation/ Industrial/ Chemical/Electronics/ Computer/Agricultural/ Environmental Engg. or equivalent in relevant discipline.
		13	M.Tech. Environmental Management of Rivers and Lakes	CE/AG/CH/EE/ME/ PI/XE/AR/CY/BT/ PH/MA/XL/EY/ES	Bachelor's degree in Civil/Electrical/ Mechanical/ Industrial/ Chemical/Agriculture/ Environmental Engg./Biotechnology/Arch. /Town Planning or its equivalent in relevant discipline or Master in Science in any subject with Mathematics at graduation level.

Sl.No	Academic Department/ Centre/ School & (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
3	Chemical Engineering (CHD)	14	M.Tech. Chemical Engineering	CH	B.Tech./B.E. in Chemical Engineering/ Chemical Technology/ Allied disciplines
4	Civil Engineering (CED)	16	M.Tech. Environmental Engg.	CE/CH	Bachelor's degree in Civil Engg./Chemical Engg./Environmental Engg. or equivalent in relevant discipline.
		17	M.Tech. Geospatial Engg.	CE/GE/AR/CS/EC/EE/AG/MN	Bachelor's degree in Civil Engg./ Electronics Engg./Electrical Engg./ Computer Science/ Information Technology/Marine Engg./Mining Engg./Environmental Engg/Agricultural Engg/ Communication Engg/ Architecture or equivalent in relevant discipline /MCA
		18	M.Tech. Geotechnical Engg.	CE/MN	Bachelor's degree in Civil Engg./ Infrastructure/ Construction Engineering or equivalent in relevant discipline.
		19	M.Tech. Hydraulic Engg.	CE	Bachelor's degree in Civil Engg. or equivalent in relevant discipline.
		20	M.Tech. Structural Engg	CE	Bachelor's degree in Civil Engg. or its equivalent in relevant discipline.
		21	M.Tech. Transportation Engg.	CE	Bachelor's degree in Civil Engg. or its equivalent in relevant discipline.
5	Earthquake Engineering (EQD)	22	M.Tech. Soil Dynamics	CE	Bachelor's degree in Civil/Structural Engg. or equivalent in relevant discipline.
		23	M.Tech. Structural Dynamics	CE	Bachelor's degree in Civil/Structural Engg. or equivalent in relevant discipline.
		24	M.Tech. Seismic Vulnerability and Risk Assessment	CE	Bachelor's degree in Civil/Structural Engg. or equivalent in relevant discipline.
6	Electrical Engineering (EED)	25	M.Tech. Electric Drives & Power Electronics	EE	Bachelor's degree in Electrical Engg. or its equivalent in relevant discipline.
		26	M.Tech. Instrumentation and Signal Processing	EE/EC/IN	Bachelor's degree in Electrical/Electronics & Communication/ Instrumentation Engg. or its equivalent in relevant discipline.
		27	M.Tech. Power System Engg.	EE	Bachelor's degree in Electrical Engg. or its equivalent in relevant discipline.
		28	M.Tech. Systems and Control	EE/EC/IN	Bachelor's degree in Electrical Engg. or Electronics & Communication/Instrumentation Engg. or its equivalent in relevant discipline.
		56	M.Tech Electric Vehicle Technology	EE	B.Tech (Electrical Engineering) or equivalent in relevant discipline.

Sl.No	Academic Department/ Centre/ School & (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
7	Electronics and Communication Engineering (ECD)	29	M.Tech. Communication Systems	EC/EE/IN	Bachelor's degree in Electronics & Communication Engg. or its equivalent in relevant discipline.
		30	M.Tech. R.F. & Microwave Engg	EC/PH/EE/IN	Bachelor's degree in Electronics & Communication Engg. or its equivalent in relevant discipline.
		31	M.Tech. Microelectronics and VLSI	EC/PH/EE/IN	Bachelor's degree in Electronics & Communication Engg. or its equivalent in relevant discipline, M.Sc. (Physics); M.Sc. (Electronics).
		58	M.Tech. Terahertz Communication & Sensing	EC/PH/EE/IN	B.E., B.Tech. in ECE, EE, Engineering Physics or equivalent in relevant discipline; M.Sc. (Physics), M.Sc. (Electronics /Electronic Science).
		59	M.Tech. Semiconductor Technology	EC/PH/EE/IN	Bachelor's degree in B.Tech. (Electronics & Communication Engg./ Engineering Physics/ Electrical/ Instrumentation or its equivalent in relevant discipline. M.Sc. (Physics/ Electronics/ Applied Physics/ Photonics/ Engineering Physics) or equivalent in relevant discipline.
8	Computer Science and Engg (CSD)	32	M.Tech. Computer Science & Engg.	CS	B.E./B.Tech. degree in Computer Science & Engineering or equivalent in relevant discipline.
9	Hydrology (HYD)	33	M.Tech. Hydrology	CE/AG/GE/DA/G G/XE/PH/ ES	<p>Bachelor's degree in Civil/ Agricultural Engg./ Hydrology/ Geomatics Engg./ Data Science & Artificial Intelligence/ Environmental Engg. or equivalent in relevant discipline.</p> <p>OR</p> <p>M.Sc./M.Tech. (Master's) degree in Chemistry/Geology/ Geophysics/ Applied Geology/Applied Geophysics/ Physics/ Meteorology/ Geography/ Atmospheric Physics/Environmental Science with Mathematics in B.Sc. (Bachelor's) course as one of the subjects.</p> <p>OR</p> <p>M.Sc. (Master's) degree in Statistics with Physics or Mathematics at B.Sc. (Bachelor's) level or its equivalent in relevant discipline.</p> <p>OR</p> <p>M.Sc. degree in Mathematics with Physics in B.Sc. or its equivalent in relevant discipline.</p> <p>OR</p> <p>AMIE (Civil) with B.Sc. or Engineering Diploma qualifications with at least 3 years research/teaching /other professional experience in responsible capacities.</p>

Sl.No	Academic Department/ Centre/ School & (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
10	Mechanical and Industrial Engineering* (MED)	34	M.Tech. Mechanical & Industrial Engineering	ME/PI	Bachelor's degree in Mechanical/ Industrial/ Production Engg./ Mechatronics/Aerospace Engg, Manufacturing Engg. or its equivalent in relevant discipline.
<p>* Students will be admitted in M.Tech. Mechanical & Industrial Engg. After 1st semester, students have option to choose the following specializations, subject to fulfilling the eligibility criteria decided by the department:</p> <ol style="list-style-type: none"> CAD, CAM & Robotics Machine Design Engineering Production & Industrial Systems Engineering Thermal Engineering Additive & Joining Technologies 					
11	Metallurgical and Materials Engineering (MTD)	39	M.Tech. Industrial Metallurgy	MT/AE/BT/CH/CY/ES/ME/MN/PH/PI/TF/XE	B.Tech. degree in Metallurgy/ Materials/ Mechanical/Production / Mining/ Chemical/ Biotechnology/Ceramics/ Polymer/ Textile/ Aerospace Engg or equivalent in relevant discipline. M.Sc. degree in Physics/ Chemistry/ Materials Science/ Environmental/ Nanotechnology or equivalent in relevant discipline.
		40	M.Tech. Materials Engg.	MT/AE/BT/CH/CY/ES/ME/MN/PH/PI/TF/XE	B.Tech. degree in Metallurgy/Materials / Mechanical/ Mining/ Production/ Chemical/ Biotechnology/ Ceramics/ Polymer/ Textile/ Aerospace Engineering or equivalent in relevant discipline. M.Sc. degree in Physics/ Chemistry/ Materials Science/ Environmental/ Nanotechnology or equivalent in relevant discipline.
		62	M.Tech. Computational Materials Engg.	MT/AE/BT/CH/CS/CY/DA/ES/ME/MN/PH/PI/TF/XE	B.Tech. Degree in Metallurgy/ Materials/ Mechanical/ Production / Mining/ Computer Science/ Chemical/ Biotechnology/ Ceramics / Polymer/ Textile/ Aerospace Engg or equivalent in relevant discipline. M.Sc. degree in Physics/ Chemistry/ Materials Science/ Environmental/ Nanotechnology or equivalent.
12	Paper Technology Saharanpur Campus(PPD)	41	M.Tech. Pulp & Paper Technology	CH/ME/BT/TF/EY/XE/XL	Bachelor's degree in Pulp & Paper Engg./ Chemical Engg./ Mechanical Engg./ Polymer Engg./ Cellulose Technology/ Biotechnology or equivalent in relevant discipline. Note: The two years post B.Sc.diploma awarded by the IPT/ DPT plus a minimum of two years relevant experience in Industry/ Research Organization will be considered equivalent to a B.Tech./B.E. degree
		42	M.Tech. Packaging Technology	CH/BT/CY/ME/TF/XE/XL	M.Sc. in Chemistry (PCM at B.Sc. level)/ Polymer Science (PCM at B.Sc. level)/ or B.Tech. in Pulp and Paper Technology / /Biotechnology/ Chemical Engg Chemical Technology/ Polymer Engg/ Process Engg/ Mechanical Engg/ Production Engg/ Packaging Tech. / Printing Technology/ Textile Technology/ PG Diploma in Packaging/ Biochemical Engg.

Sl.No	Academic Department/ Centre/ School & (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
13	Water Resources Development & Management (WRD)	43	M.Tech. Irrigation Water Management	CE/AG	Bachelor's degree in Civil Engg. or its equivalent in relevant discipline / Agricultural Engg. or M.Sc. Agriculture in Agronomy, Soil Science, Agrometeorology, with Mathematics as one of the papers at the level of B.Sc./B.Sc. Agriculture.
		44	M.Tech. Water Resources Development	CE/EE/ME	Bachelor's degree in Civil/ Electrical/ Mechanical/ Electronics & Telecommunication Engg. or equivalent in relevant discipline.
		45	M.Tech Drinking Water and Sanitation	CE/AG/ES/AR/CH/ME	Bachelor's degree in Engineering in any one of the following - Civil/ Environmental/ Mechanical/ Agricultural/ Chemical/ B.Arch. and Planning or equivalent in relevant discipline.
14	Physics (PHD)	46	M.Tech. Solid State Electronic Technology	PH/EE/EC/MT	B.Tech. (Engg. Physics)/M.Sc. (Physics)/ Bachelor's degree in Electrical/ Electronics/ Metallurgical Engg. or its equivalent in relevant discipline.
		47	M.Tech. Photonics	PH/EE/EC/MT/IN	M.Sc. (Physics/ Electronics/ Applied Physics/ Photonics/ Engineering Physics), B.Tech. (Engineering Physics/ Electronics/ Communication/ Electrical/ Instrumentation/ materials/ Metallurgy/ Nanotechnology).
15	Nanotechnology (NTC)	48	M.Tech. Nanotechnology	AE/AG/BM/BT/CE/CH/CY/EC/EE/ES/IN/ME/MN/MT/NM/PH/PI/XE/XL	B.Tech. (Met. & Mat. Engg./Mech. Engg./ E&C/ Electronics/ Electrical/ Chemical Engg./ Biotechnology/ Civil/ Biochemical Engineering/ Biomedical Engineering/ Bioengineering/ Polymer Engg/ Polymer Technology/ Pharmaceutical Technology/ Industrial Biotechnology/ Nanotechnology) or equivalent in relevant discipline; M.Sc. (Physics/ Chemistry/ Biotechnology/ Life Science/ nanotechnology), with Maths at 10+2 or higher level.
16	Disaster Mitigation and Management (DMC)	49	M.Tech. Disaster Mitigation and Management	CE/ME/PI/CS/CH/AR/GG/PH/MA/XL/XE/EY/BT/GE	B.Tech. (Civil, Structural, Mechanical, Industrial, Chemical Engineering and Biotechnology /Computer Science & Engineering or equivalent in relevant discipline; B.Arch. & B. Planning, M.Tech. in Geological Technology and Geophysical Technology or equivalent in relevant discipline, M.B.A.; M.C.A.; M.Sc. in Physics/ Geophysics/ Geology/ Mathematics, Computer Science, Environmental Sciences, or equivalent in relevant discipline (with Maths in B.Sc.).
17	Transportation Systems (TSC)	50	M.Tech. Transportation Systems Management	CE/AR/CS/GE/ME/PI/BT/CH/DA/EC/EE/ES/IN/NM/ST/XE/XH/PE/AE	B.E./B.Tech. (Civil/ Mechanical & Industrial/ Electrical/ Chemical Engineering/Electronics & Communication Engg/ Computer Science and Information Technology/ B.Arch./ B.Planning/B.Design/ Automobile Engg./Mechatronics Engg. or equivalent in relevant discipline.

Sl.No	Academic Department/ Centre/ School & (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
18	Biosciences and Bioengineering (BBD)	51	M.Tech. Biomanufacturing	BT/XE/CH/CS/ME/ES	B.E./B.Tech. or equivalent (4-year program) in any engineering discipline with mathematics in class 12 th standard exam.
		61	M.Tech. Structural and Computational Biology	CS/DA/BM/BT/XL	B.E. / B.Tech. or equivalent (4-year program) in any engineering discipline or Masters in any discipline with mathematics in class 12 th standard.
19	Polymer and Process Engg (PPE)	52	M.Tech. Polymer Science and Engg	CH/XE/CY/ME/PE/PI/TF/MT/PH	Bachelor's degree in Polymer Science and Engineering/ Material Science and Engineering/ Chemical Engineering/ Mechanical Engg/ Textile & Fibre Technology or equivalent in relevant discipline or M.Sc. Chemistry/ Physics with Mathematics at bachelors level
20	Mehta Family School of Data Science and Artificial Intelligence (MFS)	53	M.Tech. Artificial Intelligence	CS/EC/EE/MA/CE/IN/ME/PH/ST/GE/DA	B.E./B.Tech. or equivalent degree in any Engineering Discipline or Integrated M.Sc. or equivalent degree in any Engineering Science or relevant discipline.
		54	M.Tech. Data Science	CS/EC/EE/MA/CE/ME/ST/DA/AE/BM/BT/CH/CY/GE/IN/PH/PI	B.E./B.Tech. or equivalent degree in any Engineering Discipline or Integrated M.Sc. or equivalent degree in any Engineering Science or relevant discipline.
21	International Centre of Excellence for DAMS (ICD)	55	M.Tech Dam Safety and Rehabilitation	CE	B.Tech./B.E. or equivalent degree in Civil Engineering
22	Applied Mathematics and Scientific Computing (AMS)	57	M.Tech. Applied Mathematics and Scientific Computing	MA/ST/CS/EE/EC/XE	B.E./B.Tech. or equivalent degree in Computer Science/ Electrical/Electronics & Communication Engineering or equivalent in relevant discipline. M.Sc./Integrated M.Sc or equivalent degree in mathematics/ statistics/ operations research or equivalent in relevant discipline.
23	Centre for Space Science and Technology (SSC)	60	M.Tech. Space Science and Technology	EC/PH/CY/MA/AE/ME/PI/EE/MT/CE/ GG	Four-year Bachelor's degree or five-year integrated degree in Electronics & Communication/Electronics/Engineering Physics/ Aerospace Engineering/Mechanical Engineering /Production and Industrial Engineering/ Electrical Engineering/ Instrumentation Engineering/ Metallurgical and Materials Engineering /Civil Engineering/ Geophysical technology/ Geological technology, or M.Sc. in Physics/ Electronics/ Atmospheric Science / Chemistry/ Mathematics/ Earth Sciences (Geology/ Applied Geology/ Geophysics) with Mathematics at graduation level

Codes of GATE disciplines

GATE Discipline	Code	GATE Discipline	Code	GATE Discipline	Code
Aerospace Engg.	AE	Electronics & Comm. Engg.	EC	Metallurgical Engg.	MT
Agricultural Engg.	AG	Electrical Engg.	EE	Naval Architecture and Marine Engineering	NM
Architecture and Planning	AR	Environmental Science & Engg	ES	Petroleum Engineering	PE
Biomedical Engineering	BM	Ecology and Evolution	EY	Physics	PH
Biotechnology	BT	Geomatics Engineering	GE	Production & Industrial Engg.	PI
Civil Engg.	CE	Geology & Geophysics	GG	Statistics	ST
Chemical Engg.	CH	Instrumentation Engg.	IN	Textile Engg. and Fibre Sci.	TF
Computer Science & Information Tech.	CS	Mathematics	MA	Engineering Sciences	XE
Chemistry	CY	Mechanical Engg.	ME	Humanities and Social Sciences	XH
Data Science and Artificial Intelligence	DA	Mining Engg.	MN	Life Sciences	XL

Table-2

Conversion between Grade Point Average and Marks for the Purpose of Eligibility Check

10 point scale		9 point scale		8 point scale		7 point scale		6 point scale		5 point scale		4 point scale	
CGPA	% Marks	CGPA	% Marks	CGPA	% Marks	CGPA	% Marks	CGPA	% Marks	CGPA	% Marks	CGPA	% Marks
4	40	3.6	40	3.2	40	2.8	40	2.4	40	2	40	1.6	40
4.5	45	4.05	45	3.6	45	3.15	45	2.7	45	2.25	45	1.8	45
5	50	4.5	50	4	50	3.5	50	3	50	2.5	50	2	50
5.5	55	4.95	55	4.4	55	3.85	55	3.3	55	2.75	55	2.2	55
6	60	5.4	60	4.8	60	4.2	60	3.6	60	3	60	2.4	60
6.5	65	5.85	65	5.2	65	4.55	65	3.9	65	3.25	65	2.6	65
7	70	6.3	70	5.6	70	4.9	70	4.2	70	3.5	70	2.8	70
7.5	75	6.75	75	6	75	5.25	75	4.5	75	3.75	75	3	75
8	80	7.2	80	6.4	80	5.6	80	4.8	80	4	80	3.2	80
8.5	85	7.65	85	6.8	85	5.95	85	5.1	85	4.25	85	3.4	85
9	90	8.1	90	7.2	90	6.3	90	5.4	90	4.5	90	3.6	90
9.5	95	8.55	95	7.6	95	6.65	95	5.7	95	4.75	95	3.8	95
10	100	9	100	8	100	7	100	6	100	5	100	4	100

4

Foreign Candidates

All foreign candidates are requested to visit the website of International Relations, IIT Roorkee <https://ir.iitr.ac.in/> for relevant information towards application submission, registration, fee structure, accommodation, etc.

5

IMPORTANT DATES

Particulars	Date
Online application portal starts	March 18, 2024 (Monday)
Application portal closed	April 20, 2024 (Saturday) 05:00 p.m.
Online Admission Registration	July 09-10, 2024 (Tues. – Wed.)
Document Verification in person	July 11, 2024 (Thursday)
Commencement of Classes	July 16, 2024 (Tuesday)

6

ADMISSION PROCEDURE

6.1 Introduction

Admission to various Postgraduate (PG) academic programmes of the Institute is open to all candidates irrespective of caste, creed and sex including GATE qualified foreign nationals.

All the candidates seeking admission to the PG programmes leading to M.Tech./M.Arch./M.U.R.P. degree will have to apply online correctly in all respect.

6.2 General Information

- A candidate seeking admission to postgraduate programmes leading to M.Tech./M.Arch./M.U.R.P. degree is allowed to apply maximum for **4 departments** and may give prioritized preference for maximum of **14** academic programmes given in **Table-1. Choices (max. 14) once filled-in in the Application Form shall not be changed/corrected/modified for any reason after submission of online application.**
- All the academic rules and regulations of the Institute shall be applicable to the candidates after registration/admission.
- Selected candidates will be offered admission only in one programme depending on their preference and the merit.

- (d) The Institute reserves the right not to run any particular programme, if the number of students in that programme is less than the minimum number specified by the Institute at the time of admission.
- (e) All the students have to generally reside in the Institute Campus at Roorkee except those admitted to postgraduate programmes in the Department of Paper Technology, Saharanpur Campus, who will reside at the Saharanpur Campus of the Institute located about 35 km from Roorkee.
- (f) The Institute reserves the right to change its statutes and regulations relating to academic programmes and the modalities of admission without prior notice.
- (g) Candidates belonging to SC, ST, OBC-NC/GEN-EWS categories must upload the requisite certificate as applicable from the competent authority along with online Application. The candidates under Persons with Different Abilities (PD) category must upload the certificate from the Medical Board of the District concerned.
- (h) Candidates belonging to OBC-NC & Gen-EWS category must upload the valid category certificate as per GOI issued after March 31, 2023.
- (i) Persons with Different Abilities (PD) candidates must upload the relevant certificate from a Govt. Medical Board along with the Application. However, such a candidate shall have to appear before a Medical Board duly constituted by IIT Roorkee for this purpose, if needed. The Medical Board will decide the programmes which cannot be offered to a candidate, on the basis of the nature of his/her disability. The candidate will be offered admission out of the remaining programmes as per the Institute policy.
- (j) In matters of interpretation of the provisions or any matter not covered herein this Information Brochure, the decision of the Chairman, Senate IIT Roorkee shall be final and binding on both the parties.

7

DETAILS OF ONLINE APPLICATION SUBMISSION

7.1. How to Apply:

Before applying, candidates are advised to read the PG Information Brochure 2024 carefully.

Candidates must follow the following Steps while applying online:

- a) Access the URL:

<https://iitr.ac.in/Academics/Admission%20To%20M.Tech.M.Arch.M.U.R.P.%20Programmes.html>

- b) M.Tech./M.Arch./M.Arch. admissions 2024-2025 - Apply Online
- c) Register

- b) Complete Application Form.
- c) Pay fee online using option “Proceed for Payment”
- d) Download Application Form (Take a print out of the entire file, if required. This printout is NOT to be sent to IIT Roorkee. It is only for candidate’s own record purpose)
- e) Students will receive one application ID number after submitting the application online. This ID number should be used in all correspondence in future.

Note: Separate applications (with payment) are required for each Admission category.

7.2. Documents to be Uploaded

Before applying, candidates are advised to keep ready the scanned copies of following testimonials for uploading (Maximum size of each document: 5 MB):

- ❖ Applicant Photo (In JPG)
- ❖ Applicant Signature (In JPG)
- ❖ 10th Marksheet/ Certificate (in pdf)
- ❖ 12th/Diploma marksheet(s)/Certificate (in pdf).
- ❖ UG all semesters/year Marksheets and UG Degree/ Provisional Certificate (In a single pdf)
- ❖ PG All semesters/year marksheet and Degree/ Provisional Certificate (If applicable) (In a single pdf)
- ❖ PD Certificate (if applicable) (In pdf)
- ❖ SC/ST/OBC-NC/GEN-EWS Category Certificate (if applicable) (in pdf)
- ❖ GATE score card, if applicable.
- ❖ Certificate of first rank / Gold medal issued by the Institute/ University (Applicable only for Golden Girl Scheme for females).
- ❖ In case of non-availability of any of the certificate, upload an undertaking as per Annexure-1.

7.3 Application Fee (Non-Refundable)

For General/GEN-EWS/OBC Category	: Rs. 300/-
For PD/SC/ST Category	: Rs. 150/-
All Female candidates	: Nil
For GATE qualified Foreign candidates	: Rs. 1000/-

The requisite fee can be paid online using net banking or debit/credit card facilities. Additional charges will be applicable as per the rule of the concerned bank.

The Fee will not be accepted through any other mode.

8 Reserved Seats

Seats for candidates belonging to various categories are reserved as per the directives of the Govt. of India.

It will entirely be the responsibility of the candidate to prove his/her eligibility in terms of minimum educational qualifications and for claiming reservation under a specific category, if any, at the time of registration and thereafter.

9 Scholarships/Assistantship

- Scholarship/Assistantship, as applicable shall be provided to the candidates as per rule.
- There are approved numbers of seats in different programmes for which assistantships are given by the MOE to GATE qualified candidates selected for admission within the sanctioned intake on the basis of valid Normalized GATE marks only. However, the Institute may admit additional eligible (GATE qualified) candidates with assistantship from Govt. agencies like MNRE, **provided the fellowship are approved for concerned department(s), and deptt agree to admit more than the sanctioned intake.**
- B.Tech. degree holders from any IIT with minimum CGPA of 8.00 on a 10 point scale without GATE are also eligible for MOE assistantship.
- MoE fellowship for Golden Girl Scheme for females will be at par with the Institute's Assistantship.
- Scholarship/Assistantship will not be awarded to those who are in receipt of salary from any source. However, teacher candidates may be granted scholarship/assistantship in addition to the study leave benefits provided that they are not in receipt of any deputation allowance from their employer, in addition to the study leave salary as per norms.
- The continuance of the assistantship/scholarship to a student shall depend upon his/her satisfactory progress report of work, attendance, conduct and the academic performance (SGPA/CGPA), as per Regulations in vogue.
- Under MoU with the Department of Atomic Energy, the candidates qualifying under Department of Atomic Energy Graduate Fellowship Scheme may be admitted to M.Tech. programmes.

- Some foreign scholarships may be available to selected M.Tech. students for doing their dissertation under exchange programmes. More details are available at <https://ir.iitr.ac.in/>

10 SELECTION AND ADMISSION

10.1 Basis of Selection for Admission

Admission will be made strictly in order of merit and the preferences for the programmes given by a candidate in his/her Application. The basis for determining candidate's merit position is given in **Table-3**.

Table-3.

Admission Category	Basis for Selection
GATE qualified candidates	Valid Normalized GATE marks only
IIT Graduates	CGPA \geq 8
Golden Girl Scheme for Females	Interview

10.2 Offer of Admission

Admission Category	Issuing of offer letter
GATE qualified candidates	Through Common Offer Acceptance Portal (COAP 2024)
IIT Graduates	Direct offer by IIT Roorkee
Golden Girl Scheme for Females	Direct offer by IIT Roorkee on the basis of recommendation of the concerned Deptt./ Centre/ School.

Procedure for acceptance of offer on COAP 2024 portal (for GATE qualified candidates only)

Offers will be made available on the COAP portal (<https://iitk.ac.in/coap2024/>). Candidates are advised to follow the offer acceptance process and the associated guidelines & timeline. The candidates, who accept & freeze their offer, have to make online payment of Institute Fees within the stipulated date.

Procedure for Up-gradation of programme choice (for GATE qualified candidates only)

Up-gradation will be done automatically only for higher preferences as filled by the candidate in Application Form on the basis of merit prepared, availability of seats in respective category/programme and the decision taken by the candidate on COAP portal. Once the candidate choose option "Accept and Freeze" on COAP, thereafter no up-gradation will be allowed even if a vacancy exists.

10.3 Fee Structure

The Institute fee structure is available on: <https://iitr.ac.in/Academics/Institute%20Fees.html> Revised fee structure if any, shall be uploaded accordingly.

10.4 Academic Registration

A system of registration is followed for all the students joining the Institute. The selected candidates will have to register themselves online on the date and time to be intimated to them. After online registration, they are required to report physically for document verification on July 11, 2024 at IIT Roorkee.

On completion of document verification process, students should report to the concerned Head of the Department/Centre/ School and submit the joining report. The candidates selected for admission to M.Tech. Pulp and Paper Technology, Packaging Technology, Polymer Science and Engineering and Applied Mathematics & Scientific Computing shall have to report to the concerned Head of the Department at Saharanpur Campus. Regular classes will start from July 16, 2024.

10.5 Cancellation of Admission/Programme

The Institute reserves the right to cancel, at any stage, the admission of a candidate admitted to a programme and is later found that he/she is not entitled, being unqualified or ineligible in accordance with the Regulations in vogue, or suspension/termination of programme. In case of cancellation/withdrawn of admission after registration from programme, refund of fee will not be permissible. In such cases only security money will be refunded at the end of the semester.

10.6 Matters of Dispute

Disputes, if any, arising out of or relating to any matter whatsoever shall be subject to the exclusive jurisdiction of the Roorkee Courts.

10.7 Ragging

Ragging is banned in the Institute and anyone indulging in ragging is likely to be punished appropriately and the punishment may include expulsion from the institution, suspension from the institution or classes for a limited period, or fine with a public apology. The punishment may also take the shape of: (i) withholding of scholarships or other benefits, (ii) debarring from representation in events, (iii) withholding of results, (iv) suspension, rustication or expulsion from hostel or mess, (v) monetary fine etc.

Category Codes for candidates of General and reserved categories are given below in **Table-4**:

Category	Code
General	GEN
Economically Weaker Sections	GEN-EWS
Other Backward Classes	OBC-NC
Scheduled Caste	SC
Scheduled Tribe	ST
Persons with Different Abilities	PD

IMPORTANT INSTRUCTIONS

1. Before applying for IIT Roorkee, GATE qualified candidates are advised to register on COAP 2024 portal <https://iitk.ac.in/coap2024/> .
2. The candidates are advised to read each and every instruction given in this Information Brochure very carefully before applying Online.
3. All entries should be carefully made while applying online. IIT Roorkee will not be responsible for wrong entries. Candidates shall be sole responsible for the eligibility, correctness and authenticity of the information / documents provided in the online application.
4. Online application submitted by the candidates shall be considered final and binding. Requests for making correction/modification/change in the online application shall not be entertained.
5. The Institute reserves the right to verify the antecedents or documents submitted by the candidate at any time during their period of study. In case it is found that the documents submitted by the candidate are not genuine, then his/her admission shall be terminated, and disciplinary / criminal proceedings will be initiated
6. No request shall be entertained for accepting the application after the last date. IIT Roorkee will not be responsible for technical error while making the online application / payment of fee.

Therefore, candidates are advised to submit their application well in advance and not to wait for the last moment.

7. Applications will be scrutinized, relevant documents checked / verified for their authenticity. Candidates are requested to check the information sent by the institute and do the needful, if required. The institute shall not hold the responsibility for the failure of the candidates in timely checking the e-mails/doing the needful.

All the candidates are requested to mention their operational e-mail ids and contact numbers in the online application form.

8. Candidates may seek admission to more than one department/ (maximum four departments and 14 programmes). **A candidate should submit one Application only.**

9. **Choices (max. 14) once given shall not be changed at any stage for any reason after submission of Online application form).**

10. After submitting the Application, admission related enquiries may be made to the provided contact details only. Please note the following:

(i). Subject of the E-mail should be: **'M.Tech. Admission 2024 Query'**.

(ii). Text matter of the E-mail should consist: (a) Application No. (b) Registered Email-ID (c) Name of the applicant (d) Details of query.

Department specific queries should be addressed to Head of the department of the respective departments/centres/School.

11. All the mandatory documents mentioned in 7.2 including final results/provisional degree should be submitted at the time of online Admission Registration or on the last date mentioned for the same in the academic calendar of the Autumn Semester 2024-25. Information to this effect will be available in the IIT Roorkee website. Failure to produce these documents will lead to cancellation of admission without any further notice.



Undertaking by the applicants for submission of the required certificates towards admission to M. Tech./ M.Arch./MURP Programmes 2024-25

I.....S/o/D/o
R/o (address)want to apply to pursue my study in M.Tech./M.Arch./MURP programme at IIT Roorkee.

I hereby undertake that I will submit the following required documents:

1.
2.
3.

at the time of registration. In case, I fail to submit the required documents within the due date, or found ineligible or information/certificate found incorrect/false at any stage, the Institute reserves the right to cancel my admission offer and registration.

Signature of the Applicant:

Name of Applicant:

Email:

*“IIT Roorkee is committed to
nurture and promote diversity and
inclusion”*

**For further information,
please contact:**

Academic Affairs Office (Admissions)
Indian Institute of Technology Roorkee,
Roorkee -247 667 (Uttarakhand)

Website: www.iitr.ac.in

For queries, please go through the FAQ. For queries out of FAQ,
candidates are advised to contact through email at
pgadm@iitr.ac.in

