

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, ROORKEE-247 667 Admissions to posteraduate and ph.d. programmes session 2014-15

M.Tech. / M.Arch. / M.U.R.P. Degree Programmes

/ 22 / Recheler's degree in Electri

Admissions for the academic session 2014-15 to the following Postgraduate (PG) Programmes leading to M. Tech./M. Arch./ MURP will be made on the basis of either Normalized GATE Marks only or Normalized GATE Marks and Interview/Written Test. For Sponsored candidates the admission will be made on the basis of Interview/Written Test and relevant experience. The details regarding various Departments/Centres, academic programmes, number of seats, and minimum educational qualifications are given in seriatim below. (Example: Department - Programme / Seats / Minimum Educational Qualification).

De	Dartment of Architecture and Flamming	(111)	Fower System	Engg. / 237 Dachelor 3 degree in Electrical Engg. Of its equivale
(i)	Architecture / 18 / B.Arch. or its equivalent	(iv)		d Control / 23 / Bachelor's degree in Electric
(ii)	Urban & Rural Planning/ 18 /B.Arch. or its equivalent or Bachelor's degree in Civil	Do		nentation Engg., or equivalent. Tronics and Communication Engg.
Alte	Engg./B.Planning ernate Hydro Energy Centre	(i)		on Systems / 18 /Bachelor's degree in Electronics & C
(i)	Alternate Hydro Energy Systems / 25 / Bachelor's degree in Civil/ Elect./ Mech./ Industrial/	(')	equivalent.	
(')	Chemical/Electronics/Computer/Agricultural/Environmental Engg.or equivalent.	(ii)	R.F.&Microwa	ave Engg./ 15 /Bachelor's degree in Electronics & Comm. Engg.
(ii)	Environmental Management of Rivers and Lakes / 15 / Bachelor's degree in Civil/ Electrical/ Mechanical/Industrial/Chemical/Agriculture/Environmental Engg./Biotechnology/Arch./Town	(iii)	Microelectron equivalent.	ics and VLSI / 15 /Bachelor's degree in Electronics & 0
	Planning, or equivalent or Master's in Science in any subject with Mathematics at graduation level.	De	partment of Com	puter Science and Engg.
Dej	partment of Chemical Engineering		Computer Sci Information Tec	ence & Engg. / 54 /B.E./B.Tech degree in Computer Scien
(i)	Computer Aided Process Plant Design/28/Bachelor's degree in Chemical/Biochemical/Pulp &	De	partment of Hydr	
(ii)	 Paper/Chemical Technology/ Petrochemical/Polymer Technology/ Petroleum Refining or equivalent. Industrial Pollution Abatement / 28 / Bachelor's degree in Chemical/Pulp & Paper/Civil/ Biochemical/ Petroleum/ Environmental Engg./ Chemical Technology/ Polymer Technology or equivalent. 		Hydrology / · equivalent; M Geophysics/P mathematics ir	15 / Bachelor's degree in Civil/Mechanical/Agricultural Eng 1.Sc./M.Tech. in Chemistry/Geology/Geophysics/Applied hysics/ Meteorology/ Geography/Atmospheric Physics/I B.Sc. as one of the subjects or M.Sc. (Master's) degree in S at B.Sc., or M.Sc. degree in Mathematics with Physics in B.Sc. on
Dej	partment of Civil Engineering	De		nanical and Industrial Engg.
(i)	Environmental Engineering /18/Bachelor's degree in Civil Engg./Chemical Engg./ Environmental Engg., or equivalent.	(i)		Robotics/15/Bachelor's degree in Mechanical/Industrial/F
(ii)	Geomatics Engineering / 24 / Bachelor's degree in Civil Engg./Electronics Engg./Electrical Engg./Computer Science/Information Technology/Marine Engg./Mining Engg./Environmental Engg/Architecture/Communication Engg/Architecture or equivalent.	(ii)	Machine Desi Engg. or equiva	
(iii)	Geotechnical Engineering / 24 / Bachelor's degree in Civil Engg. /Mining Engg., or equivalent.	(iii)		Industrial Systems Engineering / 18 / Bachelor's deg uction Engg. or equivalent.
(iv)	Hydraulic Engineering / 18 / Bachelor's degree in Civil Engg./Agricultural Engg. or equivalent.	(iv)		neering / 18 / Bachelor's degree in Mechanical/Industrial
(v)	Structural Engineering / 36 / Bachelor's degree in Civil Engg. or its equivalent.		equivalent.	and the second se
(vi)	Transportation Engineering / 24 / Bachelor's degree in Civil Engg. or its equivalent.	(v)	Welding Engi equivalent.	neering / 18 / Bachelor's degree in Mechanical / Industrial/
	partment of Earthquake Engineering	Do	•	llurgical and Materials Engg.
(i)	Soil Dynamics / 18 / Bachelor's degree in Civil/Structural Engg. or equivalent.			allurgy / 18/ B.Tech in Metallurgy/Materials /Mechanical/Produc
(ii)	Structural Dynamics / 31 / Bachelor's degree in Civil /Structural, or equivalent.	(i) (ii)		inering/ 18 / B.Tech in Metallurgy/Materials /Mechanical/ lodde
(iii)	Seismic Vulnerability and Risk Assessment/ 15 /Bachelor's degree in Civil /Structural, or equivalent.	(11)		or B.Sc. in Physics/Chemistry with Mathematics course inc
	partment of Electrical Engineering	De		r Technology, Saharanpur Campus
(i)	Electric Drives & Power Electronics / 23 / Bachelor's degree in Electrical Engg. or its equivalent.		Pulp & Pape	r / 18 /Bachelor's degree in Pulp & Paper Engg./Chemica
(ii)	Instrumentation and Signal Processing / 23 / Bachelor's degree in Electrical/Electronics & Comm./Instrumentation Engg., or equivalent.		Engg./Polymer	Engg./ Cellulose Technology/Biotechnology or equivalent.
	NOTE : The Minimum Durati	on fo	or all Progra	mmes will be 4 Semesters for Full Time ar
	ADMISSION CRITERIA			IMPORTANT N
Adm	ission will be made on the basis of either Normalized GATE Marks only or Normalized GATE Marks and In	Iterview	/Written Test.	A candidate may apply maximum for four Departments
	ponsored candidates the admission will be on the basis of Interview/Written Test and relevant experience			ONE Application Form is to be filled-up. However, fee of

For Sponsored candidates the admission will be on the basis of Interview/Written Test and relevant experience and preference will be given to those who have also valid GATE. There will be cut off on Normalized GATE marks for calling the candidates for Interview/Written Test and/or for preparing merit list for different programmes for different categories of candidates. The Normalized GATE marks will be calculated as follows:

 Normalized GATE Marks in the Paper
 Marks Out of 100 of the candidate
 X 100

 Maximum Marks Awarded in that Paper in that year
 X 100

B.Tech. degree holders from IITs with minimum CGPA of 8.00 on 10 point scale will also be eligible for admission with MHRD assistantship without GATE and will be given admission directly.

A candidate may apply maximum for four Departme **ONE** Application Form is to be filled-up. However, fee be payable by the candidate. Admission will be made eligible programmes/GATE disciplines.

Note: Preferences (max. 14) once given s after submission of application form.

Ph.D. PROGRAMMES

Applications are also invited for admission to Ph.D. programmes for the Autumn Semester of the Session 2014-15. Application fee: Rs. 200/- per department for General/OBC category and Rs. 100/- for SC/ST/PD category candidates per department. Separate application be sent for separate departments/centres and for each department/centre separate fees will be required with each completed application form. Ph.D Programmes are available in all departments/centres including Institute Instrumentation Centre, Centre for Transportation Systems, Centre for Disaster Mitigation & Management and Centre for Nanotechnology.

ELIGIBILITY CRITERIA: A minimum aggregate score of 65% or 6.50 CGPA on 10 point scale for General/OBC candidates and 55% or 5.50 CGPA on 10 point scale for SC/ST/PD candidates at the qualifying degree is essential for Ph.D. programmes.

GENERAL INFORMATION FOR PG AND Ph.D. PROGRAMMES

RESERVATION OF SEATS

Certain number of seats are reserved for candidates belonging to SC/ST/OBC categories and Person with Different Abilities (PD) as per the Govt. of India rules. For details refer to the Information Brochure.

APPLICATION PROCESS

For admission to PG and Ph.D.programmes 2014 candidates need to register and fill the application ONLINE only by accessing http://pgadm.iitr.ernet.in.. The application process will only be assumed to be completed when following documents are sent to the Chairman, PG Admissions office, Indian Institute of Technology Roorkee, Roorkee-247 667, Uttarakhand on or before April 25, 2014. (1) Print out of filled on-line application (2) Bank challan copy (3) Other necessary documents as per the Information Brochure (if any).

Note: Please affix your photo at appropriate place and sign the application form.

FINAL YEAR CANDIDATES

Candidates appearing for the final year of their qualifying examination are also eligible to apply.

HOW TO APPLY

For Admission to PG/Ph.D. programmes the candidates need to register and fill the application **ONLINE only from March 31, 2014** by accessing http://pgadm.iitr.ernet.in on **or before April 21, 2014** and after finalizing, download the online filled application and bank challan simultaneously. Then the fee must be deposited in the State Bank of India through bank challan on next working day and or **before the last date i.e. April 22, 2014.** The Bank challan will be printed in triplicate. Bank will retain a copy and will return two copies to you. In those two copies, retain the candidate's copy with you and attach the IITR's copy with the application form.

Note: The Fee will not be accepted through any other mode.

valent. ctrical/Electronics &	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.
& Comm. Engg. or its	Packaging Technology / 20 /M.Sc. in Chemistry (PCM at B.Sc. level) / Polymer Science (PCM at B.Sc. level) or B.Tech. in Pulp & Paper Technology/Biotechnology/Chemical Engg./Chemical Technology/Polymer Engg./Process Engg./Mechanical Engg./Production
gg.oritsequivalent. & Comm. Engg. or its	Engg./Packaging Technology/Printing Technology/Textile Technology/PG Diploma in Packaging/Biochemical Engg.
	Industry sponsored candidate with aforesaid academic qualifications along with two years experience in Paper/Polymer/Packaing Technology.
cience and Engineering/	Additional Requirement: GATE qualified except for industry sponsored candidate.
	Department of Water Resources Development & Management
(i) Engg./Hydrology or its ied Geology/ Applied	Irrigation Water Management /3/Bachelor's degree in Civil Engg. or its equivalent/Agricultural Engg. or M.Sc. Agriculture in Agronomy, Soil Science, Agrometerology with mathematics as one of the papers at the level of B.Sc./B.Sc. Agriculture.
ics/Env. Science with (ii) in Statistics with physics	Electronics & Telecommunicaton Engg. or equivalent.
c. or its equivalent.	Department of Chemistry
ial/Production Engg. or	M. Tech. (Advanced Methods of Chemical Analysis) / 15 / B.Tech. (Chemical Engg.)/M.Sc. (Chemistry)/M.Sc. (Environmental Science)with Mathematics atleast 10+2 level.
ical/Industrial/Draduation	Department of Physics
ical/Industrial/Production	M.Tech. (Solid State Electronic Materials) / 18 / B.Tech. Engg. Physics/M.Sc. (Physics)/Bachelor's degree in Electrical/Electronics/Metallurgical Engg. or its equivalent.
degree in Mechanical /	Sentre for Nanotechnology
trial/Production Engg.or	M.Tech. (Nanotechnology) / 15 / B.Tech. (Met. & Mat. Engg./Mech. Engg./ E&C/ Electronics/ Chemical Engg./ Pulp & Paper/Biotechnology) or its equivalent; M.Sc. (Physics/ Chemistry/ Biotechnology) erits equivalent with Mathematics et 10 / 2 erbisher lavel
rial/Production Engg. or	Biotechnology) or its equivalent with Mathematics at 10+2 or higher level. Centre for Disaster Mitigation and Management
	M.Tech. (Disaster Mitigation and Management) / 15 /B.Tech. (Civil, Structural, Mechanical,
oduction Engg. al /Production /Ceramic included in the M.Sc.	Industrial, Chemical, and Engineering/Computer Science or equivalent, B.Arch & B. Planning, or M.Tech. in Geological Technology and Geophysical Technology or equivalent, or M.B.A. or M.C.A. or M.Sc. in Physics/Geophysics/Geology/Mathematics/Environmental Sciences (with Maths in B.Sc.) computer Science or equivalent.
C	Centre for Transportation Systems
mical Engg./Mechanical	M.Tech. (Infrastructure Systems) / 15 /B.Tech. (Civil/Mechanical & Industrial/Electrical/Chemical Engineering/Electronics & Communication Engg./Computer Science and Information Technology/B.Arch/B.Planning or equivalent.

and 6 Semesters for Part Time candidates.

ΤΝΟΤΕ	APPLICATION FEE				
nents and 14 different programmes but ONLY ee of Rs. 100/- per additional Department shall e strictly on the basis of order of preferences for	For General/OBC Category For SC/ST/PD Category *Rs. 100/- per additional depa	: Rs. 400/- + *Rs. 100/- : Rs. 200/- + *Rs. 100/- artment (if applied)			
shall not be changed for any reason	ELIGIBILITY CRITERIA A minimum aggregate score of 60% or 6.00 CGPA on 10 point scale for General/OBC candidates and 55% or 5.50 CGPA on 10 point scale for SC/ST/PD candidates at the qualifying degree is essential for all the above PG programmes.				
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0	Opening of Online Application Process	March 31, 2014
0	Last date for applying ONLINE (Website Closure)	April 21, 2014
0	Last date for depositing the requisite fee	April 22, 2014
0	Last date for receipt of Completed Application Form	April 25, 2014
	ADDRESS FOR CORRESPONDENCE	1.00

Indian Institute of Technology Roorkee, ROORKEE - 247 667 (Uttarakhand) Tel: (01332) - 285875, 284010, Fax: (01332) - 285874 e-mail: pgadm@iitr.ernet.in, website: http://www.iitr.ernet.in OR http://pgadm.iitr.ernet.in RAMOUNT OFFSET PRINTERS, RKE PH.: 9368161778, 9997311778(M)