

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

PG Courses offered with eligibility Criteria for the Academic year 2015-2016

S.No.	Name of the PG Programme	Specializations	Eligibility		
			Qualifying Degree	GATE /GPAT Exam	PGCET Exam
1	M.Tech (Civil Engineering)	Transportation Engineering.	B.E./B.Tech./AMIE in Civil Engg./Construction Engg (or) equivalent / Civil and Environmental Engg.	CE	CE
		Structural Engineering			
		Geo—Environment Engineering			
		Infrastructure Engineering			
		Highway Engineering			
		Geotechnical Engineering /Soil Mechanics and Foundation Engineering			
		Urban Transportation Engg.			
		Environmental Engineering			
		Construction Management			
2	M.Tech. (Electrical & Electronics Engg.)	Electrical Power Engg.	B.E./B.Tech./AMIE in Electrical & Electronics Engg. (or) Equivalent / Electrical Engg.	EE	EE
		Electrical Power Systems			
		Power Electronics			
		Power & Industrial Drives			
		Power Electronics & Electrical Drives			
		Power Engg. & Energy Systems			
		Power Systems with Emphasis on H.V. Engg. / Electrical Power Systems (HV) /H.V.Engg.			
		Power Electronics and Drives			
		Power System Control and Automation			
		Power System / Power Systems Engineering			
		Power Electronics and Power Systems			
		Power System and Control			
		Power Electronics and Systems			
		Electrical Machines and Drives			
Advanced Power Systems					
3	M.Tech. (Control Engg.)	Control Systems	B.E./B.Tech./AMIE in EEE/ECE/EIE/E.ContE / Electronics & Computer Engg./Instrumentation Engg./Instru.Tech/ Electronics Engg. ICE/ Bio-Medical Engg. /ETE (or) Equivalent / Electrical Engg. / Electronics and Control / Electronics / Instrumentation and Control / Electronics and Telematics	EE/EC/IN	EE/EC/EI
		Instrumentation and Control Systems			
		Control Engg.			
4	M.Tech. (Mechanical Engg.)	Advanced Manufacturing System	B.E./B.Tech./AMIE in Mechanical Engg./Automobile Engg./Metallurgy/ Industrial Engg/Mechanical Engg. (Mechatronics) /Mechanical Engg. (Production) /Aeronautical Engg / Production Engg./Industrial and Production Engg./Marine Engg./ Mining Engg. (or) equivalent B.E./B.Tech./AMIE in Mechanical Engg./Automobile Engg./Metallurgy/	AE PI MT MN ME	ME
		CAD / CAM			
		Engineering Design			
		Machine Design			
		Computer Aided Design and Manufacture			
		Production Engineering			
Industrial Engineering & Management					

		Design for Manufacturing/ Design and Manufacturing	Industrial Engg/Mechanical Engg. (Mechatronics) /Mechanical Engg. (Production) /Aeronautical Engg/ Production Engg./Industrial and Production Engg./Marine Engg./ Mining Engg./Mining Machinery (or) equivalent	AE PI MT MN ME	ME
		Automation	B.E./B.Tech./AMIE in Mechanical Engg. /Automobile Engg., / Metallurgy/ Industrial Engg., /Mechanical Engg. (Mechatronics) /Mechanical Engg. (Production) / Production Engineering ./Industrial and Production Engg/ Marine Engg /Mechatronics / Mining Engg./ Mining Machinery (or) equivalent.	AE ME PI MT MN	ME
		Thermal Engineering	B.E./B.Tech./AMIE in Mechanical Engg./Automobile Engg./Mechanical Engg. (Mechatronics) / Aeronautical Engg. (or) equivalent.	ME AE	ME
		Heating Ventilation & Air Conditioning	B.E./B.Tech./AMIE in Mechanical Engg. /Automobile Engg./Mechanical Engg. (Mechatronics)/Aeronautical Engineering (or) equivalent.	ME AE	ME
		Mechatronics	B.E./B.Tech./AMIE in Mechanical Engg./Automobile Engg./Mechanical Engg. (Mechatronics), /Mechanical Engg. (Production) /Aeronautical Engineering (or) equivalent.	AE ME PI	ME
5	M.Tech. (Electronics & Communication Engg.)	Systems & Signal Processing	B.E./B.Tech. in ECE/AMIE in ECE, AMIE (Electronics and Telecommunication Engg.)/AMIETE (Electronics & Telematics Engg.)/ Electronics & Computer Engg. or equivalent / Electronics M Sc (Electronics) is not eligible	EC	EC
		Digital Electronics & Communication Engg. / Digital Electronics & Communication Systems			
		Electronics & Communication Engg.			
		Wireless & Mobile Communication Communication Systems			
		Communication Engineering and Signal Processing			
		Microwave and Communication Engineering			
		Telematics			
		Microwave and Radar Engineering			
6	M.Tech. (D.S.C.E)	Digital Systems & Computer Electronics	B.E./B.Tech./AMIE in ECE / EEE / CSE / Electronics & Computers Engg / ETE/ IT/CSIT/ Electronics & Control Engg./Instrumentation Engg./ Instrumentation Technology / EIE / Electronics Engg./Bio- Medical Engg./ AMIETE and Electronics and Telematics Engg. (OR) equivalent / Electronics	EC EE CS IN	EC EE CS EI
		Embedded Systems			
		VLSI			
		VLSI Design			
		VLSI System Design			
		VLSI & Embedded Systems/ Electronic Design Technology			
		Embedded Systems & VLSI Design			
		VLSI Design and Embedded Systems			
7	M.Tech. (Computer Science)	Computer Science	B.E./B.Tech. /AMIE in CSE/ CSIT/ Electronics & Computers Engg. /IT & Computer Science and Systems Engineering. Equivalent (or) MCA	CS	CS
		Computer Science & Engineering			
		Computer Science and Technology			

8	M.Tech. (Computer Science)	Bio-Informatics	B.Tech. (CSE/ IT/ ECE / Biotechnology), MCA, M.Sc. (Bioinformatics / Biotechnology)	CS BT EC	CS BT EC
9	M.Tech.(Bio-Technology)	Bio-Technology	B.E./ B.Tech. / AMIE Chemical Engg. / Bio- Technology / Biochemical Engg. / Bio-informatics /Industrial/ Biotechnology/ Agricultural Engg. or M.Sc. in Env. Sciences/ Chemistry/ Biochemistry/ Microbiology/ Biotechnology/ Life Sciences/B.V.Sc / M.B.B.S./B.D.S/ B.Pharmacy/ Food Technology	BT CH AG GPAT XL XE	BT
		Bio-Chemical Engg.	B.E./B.Tech./AMIE Chemical Engg. / Bio-Technology / Biochemical Engg. / Chemical Technology / Food Technology / Industrial Biotechnology / Bio- informatics / Agricultural Engg. / Dairy Technology	BT CH AG XL XE	BT
10	M.Tech. (Software Engg. and Information Technology)	Information Technology	B.E./B.Tech. /AMIE in CSE/ CSIT/ Electronics & Computers Engg. /IT & Computer Science and Systems Engineering. Equivalent (or) MCA	CS	CS
		Software Engineering			
		Web Technologies			
		Parallel Computing			
		Neural Networks			
11	M.Tech. (Computers & Communication)	Image Processing	B.E./B.Tech./AMIE in CSE/ECE/ CSIT/IT/ETM/EEE/EIE & CSSE equivalent / Electronics.	CS EE EC IN	CS EE EC EI
		Computer & Communications / Computers & Communication Engg.			
		Real Time Systems			
		Computer Networks			
		Computer Networks and Information Security			
		Digital Image Processing			
		Cyber Forensic & Information Security/ Cyber Security			
12	M.Tech. (Chemical Engg.)	Chemical Engineering	B.E./B.Tech./AMIE in Chemical Engg./AMICHE, AMIE (CHEM)/ Petroleum Engg./Petroleum Tech./ Petro-Chemical Engg./ B.Tech (Chemical Technology) any specialization	CH	CH
		Chemical Technology			
13	M. Pharmacy	Pharmacology	B. Pharmacy	GPAT	PY
		Pharmaceutical Chemistry			
		Pharmaceutics			
		Pharmaceutical Analysis and Quality Assurance			
		Hospital and Clinical Pharmacy			
		Quality Assurance			
		Pharmacognosy			
		Industrial Pharmacy			
		Pharmaceutical Management & Regulatory Affairs			
		Pharmaceutical Technology			
		Quality Assurance & Pharma Regulatory Affairs			
		Pharm. D (PB)			
14	M.Tech. (Electronics & Instrumentation)	Electronics & Instrumentation	B.E./B.Tech. in ECE, EEE, EIE, ICE, AMIE /AMIETE (or) Equivalent	IN EC EE	EI EC EE

15	M.Tech. (Nano-Technology)	Nano Technology	B.E./B.Tech. in Chemical/ Mechanical/ Aeronautical/ Electronics/ Electrical/Computer Engg./Bio-Technology/ Material Science (or) Equivalent Degree M.Sc. in Chemistry/Physics/Biotechnology/ Earth Sciences/Environmental Science & Technology/ Electronics or Equivalent Degree.	AE, BT CH, CS CY, EC EE, GG IN, ME MT, PH PI, XE XL	NT
16	M.Tech. (Energy Systems)	Energy Systems	B.E./ B.Tech./ AMIE in Mechanical/ EEE/ Chemical Aeronautical/ Automobile/Mechanical (Production)/ Mechanical (Mechatronics)/ Metallurgy/ Metallurgy& Material Tech./Agriculture Engg	MT AE EE ME CH AG	MT AS EE ME CH
		Power Plant Engineering and Energy Management			
17	M.Tech.	Environmental Management	Graduate in Engg./Tech/ Medicine/ Agriculture/Veterinary Science/ Pharmacy/Fisheries/Animal Husbandry/ Horticulture. or Post Graduate in Mathematics/ Physics/ Chemistry /Life Sciences (Botany, Zoology, Microbiology, Biochemistry, Genetics, Biotech. Bioinformatics etc.)/ Environmental Sciences Earth Science/Atmospheric Science/ Geology Or MCA with graduation in Sciences.	Relevant GATE Exam	EM
		Environmental Geomatics			
18	M.Tech.	Spatial Information Technology	B.E. / B.Tech. / AMIE in any Engg including Agriculture, Environmental / B.Tech Planning (but excluding Biotech/ Metallurgical / Chemical Engg.) or MCA, M.Sc. in Geoinformatics /Geomatics /Maths / Physics /Geography/Agriculture/ Water Resources / Water & Env. Sciences/ Geospatial Science & Tech or with any earth resources or atmospheric Sciences background.	Relevant GATE Exam	GG
		Geo-informatics and Surveying Technology/ Geo-Informatics			
		Remote Sensing			
19	M.Tech.	Water and Environmental Technology	Graduate in Engg. or Post Graduate in Sciences	Relevant GATE Exam	EM
20	M.Tech. (Aerospace Engineering)	Aerospace Engineering	B.E./B.Tech. or equivalent degree (Aeronautical/Aerospace / Mechanical /Marine Engineering /Mechatronics/ Naval Architecture)/AMIE in Mechanical	ME AE	ME AS
21	M.Tech (Bio-Medical Engg.	Biomedical Signal Processing and Instrumentation	B.E/BTech. In BME/ICE/ECE branches	EC	BM
22	M.Tech. (Metallurgical Engg.)	Metallurgical Engineering	B.E./B.Tech./AMIE in Metallurgy /Mechanical Engg/Automobile Engg. /Industrial Engg./Mechanical (Production)/Mechanical (Mechatronics)/Production Engg./Industrial and Production Engg./Marine Engg./Minning Engg. (or) equivalent.	MT ME AE PI MN AE	MT ME
23	M.Tech. (Electrical & Electronics Engg.)	Nuclear Power Engineering	B.E./B.Tech./AMIE in Electrical & Electronics Engg./ Electrical Engg./Mechanical Engg./Chemical Engg.	EE ME CH	EE ME CH

24	M.Tech. (Computer Science)	Computer Science & Information Engineering	B.E./B.Tech./AMIE in CSE/CSIT/ Electronics & Computers Engg/IT /Computer Science and Systems Engineering Equivalent (or) MCA	CS	CS
25	M.Tech (Nano Technology)	Nano Electronics and Photonics	B.E/B.Tech./AMIE in ECE/EEE/ Instrumentation and Nano Technology (or) M.Sc. (Physics /Electronics/ Instrumentation and Nano Technology)	EC EE IN XL	EC EE EI NT
26	M.Tech. (Computer Science)	Computer aided molecular design	B.E./B.Tech./AMIE in CSE/CSIT/IT/ Bio-Tech	CS BT	CS BT
27	M.Tech (Mining)	Mining Engineering	B.E/B.Tech. in Mining	MN	ME