

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD**  
**PG Courses offered with eligibility Criteria for the Academic year 2018-2019**

S.No.	Name of the PG Programme	Specializations	Eligibility		
			Qualifying Degree	GATE /GPAT Exam	PGE CET 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	AE PI MT MN ME	ME
		CAD / CAM			
		Engineering Design			
		Machine Design			
		Computer Aided Design and Manufacture			
		Production Engineering			
Industrial Engineering & Management	B.E./B.Tech./AMIE in Mechanical Engg./Automobile Engg./Metallurgy/				

		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.	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 /ICE/ 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				
	Computer Science & Information Eng.				

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. (Computer Science)	Data Sciences	B.E./B.Tech. /AMIE in CSE/ CSIT/ Electronics & Computers Engg. /IT & Computer Science and Systems Engineering or equivalent	CS	CS
		Artificial Intelligence			
10	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
11	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			
12	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			
13	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 in any specialization	CH	CH
		Chemical Technology			
14	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 Affaires			
		Pharmaceutical Technology			
		Quality Assurance & Pharma Regulatory Affaires			
		Pharm. D (PB)			

15	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
16	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
		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, XE, XL	NT
17	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/ Mining Engg/ Mining Machinery (or) equivalent.	MT AE EE ME CH AG	MT AS EE ME CH
		Power Plant Engineering and Energy Management			
18	M.Tech.	Environmental Management	Graduate in Engg./Tech. (only in the branches of Civil / Biotechnology / Mechanical / Environmental and Chemical Engg.) / 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	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.		
19	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			

20	M.Tech.	Water and Environmental Technology	B.E./B.Tech./AMIE in Civil Engg./ Agriculture Engg./ Environmental Engg. (or) M.Sc. in Geo-Physics/ Geology/ Hydrology/ Remote Sensing/ Water and Environmental & Sciences.	Relevant GATE Exam	EM
21	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	AS
		Aeronautical Engineering			
22	M.Tech (Bio-Medical Engg.)	Biomedical Signal Processing and Instrumentation	B.E./B.Tech. In BME/ICE/ECE branches	EC	BM
23	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./Mining Engg. (or) equivalent.	MT ME AE PI MN AE	MT