

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD
PG Courses offered with eligibility Criteria for the Academic year 2019-2020

S.No.	Name of the PG Programme	Specializations	Eligibility		
			Qualifying Degree	GATE /GPAT Exam	PGECET Exam
1	M.Tech (Civil Engineering)	Transportation Engineering.	B.E./B.Tech./AMIE in Civil Engg./Construction Engg / Civil and Environmental Engg. (or) equivalent	CE	CE
		Structural Engineering			
		Geo—Environment Engineering			
		Infrastructure Engineering			
		Highway Engineering			
		Geotechnical Engineering			
2	M.Tech. (Electrical & Electronics Engg.)	Electrical Power Engg.	B.E./B.Tech./AMIE in Electrical & Electronics Engg. / Electrical Engg. (or) Equivalent	EE	EE
		Electrical Power Systems			
		Power Electronics			
		Power & Industrial Drives			
		Power Electronics & Electrical Drives			
		Power Engg. & Energy Systems			
4	M.Tech. (Mechanical Engg.)	Advanced Manufacturing System	B.E./B.Tech./AMIE in Mechanical Engg./Mechanical Engg. (Automobile Engg.)/ Mechanical Engg. (Industrial Engg) /Mechanical Engg. (Mechatronics) /Mechanical Engg. (Production) /Aeronautical Engg / Mechanical Engg. (Production Engg.) / Mechanical Engg. (Industrial and Production Engg.)/ (or) equivalent	ME AE PI	ME
		CAD / CAM			
		Engineering Design			
		Machine Design			
		Design for Manufacturing/ Design and Manufacturing	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./Mining Machinery (or) equivalent	AE PI MT MN ME	ME
		Thermal Engineering	B.E./B.Tech./AMIE in Mechanical Engg./ Mechanical Engg. (Automobile Engg.)/Mechanical Engg. (Mechatronics) (or) equivalent.	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	EC	EC
		Digital Electronics & Communication Engg. / Digital Electronics & Communication Systems			

		Electronics & Communication Engg.	equivalent / Electronics		
		Wireless & Mobile Communication			
		Microwave and Radar Engineering	M Sc (Electronics) is not eligible		
		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. / Electronics or equivalent	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			
Communication Systems	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			
6	M.Tech. (Computer Science / Information Technology)	Computer Science	B.E./B.Tech. /AMIE in CSE/ CSIT/ Electronics & Computers Engg. /IT & Computer Science and Systems Engineering or equivalent	CS	CS
		Computer Science & Engineering			
		Data Sciences			
		Artificial Intelligence			
		Information Technology			
		Software Engineering			
		Web Technologies			
		Parallel Computing			
Neural Networks					
7	M.Tech. (Electronics & Communication Engg. / Computer Science)	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
		Computers & Communication Engg.			
		Real Time Systems			
		Computer Networks			
		Computer Networks and Information Security			
		Digital Image Processing			
Cyber Forensic & Information Security	B.E./B.Tech. /AMIE in CSE/ CSIT/ /IT/CSSE/ (or) equivalent	CS	CS		
8	M.Tech. (Center for Bio-Technology)	Bio-Technology	B.E./ B.Tech. / AMIE Chemical Engg. / Bio- Technology / Biochemical Engg. /Biomedical Engg. / Bioinformatics /Genetic Engg. / Industrial Biotechnology/ Agricultural Engg. or M.Sc. in Env. Sciences/ Chemistry/ Biochemistry/Microbiology/ Biotechnology/ Life Sciences/Nano Technology / B.V.Sc / M.B.B.S./B.D.S/ B. Pharmacy/ Food Technology/Pharm D.	BT CH AG GPAT XL XE	BT
9	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			

10	M. Pharmacy	Pharmacology	B. Pharmacy	GPAT	PY
		Pharmaceutical Chemistry			
		Pharmaceutics			
		Pharmaceutical Analysis			
		Pharmacy Practice			
		Pharmaceutical Quality Assurance			
		Pharmacognosy			
		Industrial Pharmacy			
		Pharmaceutical Regulatory Affairs			
		Pharmaceutical Technology			
		Pharm. D (PB)			
11	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
12	M.Tech. (Center for Nano-Technology)	Nano Technology	B.E./B.Tech. in Civil / Chemical/Mechanical/ Metallurgy /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.	CE, CH, ME, MT AE, EC EE, CS BT, CY PH, XE, XL	NT
13	M.Tech. (Energy Studies)	Energy Systems	B.E./ B.Tech./ AMIE in Mechanical/ Aeronautical/Automobile/Mechanical (Production)/Mechanical(Mechatronic) / Mining Engg/ Mining Machinery (or) equivalent.	AE ME MN	AS ME
14	M.Tech. (Center for Environment)	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.		
15	M.Tech. (Center for Spatial Information Technology)	Spatial Information Technology	B.E./B.Tech./AMIE in Civil / Civil & Environmental/Agricultural / B.Tech. Planning M.Sc. in Geoinformatics / Geomatics / Agriculture / Env. Science / Geospatial Sciences or equivalent	CE AG XL	GG

16	M.Tech. (Center for Water Resource)	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.	CE AG XL	EM
17	M.Tech. (Aeronautical Engineering)	Aerospace Engineering	B.E./B.Tech. or equivalent degree (Aeronautical/Aerospace / Mechanical /Marine Engineering /Mechatronics/ Naval Architecture)/AMIE in Mechanical	ME AE	AS
18	M.Tech. (Metallurgical Engg.)	Metallurgical Engineering	B.E./B.Tech. /AMIE in Metallurgical/ Metallurgical and Material Science / /Mechanical Engg / Mechanical (Production) (or) equivalent.	ME PI	MT