

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD
PG Courses offered with eligibility Criteria for the Academic year 2022-2023

S.No.	Name of the PG Programme	Specializations	Eligibility		
			Qualifying Degree	GATE /GPAT Exam	PGECE T 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			
		Highway Engineering			
		Geotechnical Engineering			
		Environmental 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 Electronics & Electrical Drives			
		Power Engg. & Energy Systems			
		Power Systems			
		Power System Control & Automation			
3	M.Tech. (Mechanical Engg.)	Advanced Manufacturing Systems	B.E./B.Tech./AMIE in Mechanical Engg./Mechanical Engg. (Automobile Engg.)/ Mechanical Engg. (Industrial Engg) /Mechanical Engg. (Mechatronics) /Mechanical Engg. (Production) / Mechanical Engg. (Production Engg.) / Mechanical Engg. (Material Science & Nanotechnology)/ Mechanical Engg. (Industrial and Production Engg.)/ (or) equivalent	ME 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./ Mechanical Engg. (Material Science & Nanotechnology)/ 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)/ Mechanical Engg. (Material Science & Nanotechnology) (or) equivalent.	ME	
		Industrial Engineering & Management	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
		Mechatronics	B.E./B.Tech./AMIE in Mechanical Engg./Automobile Engg./Mechanical Engg. (Mechatronics), /Mechanical Engg. (Production) / Mechanical Engg. (Material Science & Nanotechnology) Aeronautical Engineering / (or) equivalent.	AE ME PI	ME

4	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 or equivalent / Electronics	EC	EC
		Digital Electronics & Communication Engg. / Digital Electronics & Communication Systems			
		Electronics & Communication Engg.			
		Wireless & Mobile Communication			
		Microwave and Radar Engineering			
		Communication Systems			
		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			
		Embedded Systems & VLSI Design			
5	M.Tech. (Computer Science & Engineering / 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 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			
		Artificial Intelligence & Data Science			
		Information Technology	B.E./B.Tech. /AMIE in CSE/ CSIT/ Electronics & Computers Engg. /IT / Computer Science and Systems Engineering (or) equivalent	CS	CS
		Software Engineering			
Cyber Forensics & Information Security					
6	M.Tech. (Electronics & Communication Engg. / Computer Science & Engg)	Computer Networks	B.E./B.Tech./AMIE in CSE/ECE/ CSIT/IT/ETM/EEE/EIE & CSSE / Electronics (or) equivalent	CS EE EC IN	CS EE EC EI
		Computer Networks and Information Security			
7	M.Tech. (Bio- Technology)	Bio-Technology	B.E./ B.Tech. / AMIE (Chemical Engg. / Bio- Technology / Biochemical Engg. /Bioinformatics /Genetic Engg. / Industrial Biotechnology/ Agricultural Engg.) or M.Sc. in (Env. Sciences / Chemistry/Biochemistry/Microbiology/ Biotechnology/ Life Sciences) / Food Technology.	BT CH AG XL XE	BT
8	M.Tech. (Chemical Engg.)	Chemical Engineering	B.E./B.Tech./AMIE in Chemical Engg. / AMIE (CHEM) / Petroleum Engg / Petroleum Tech. / Petro-Chemical Engg. / B.Tech (Chemical Technology) / Bio-Chemical Engineering or equivalent.	CH	CH
		Chemical Technology			
9	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			

10	M.Tech. (Electronics & Instrumentation)	Electronics & Instrumentation Engineering	B.E./B.Tech. in ECE, EEE, EIE, ICE, AMIE /AMIETE (or) Equivalent	IN EC EE	EI EC EE
11	M.Tech. (Nano-Technology)	Nano Technology	B.E./B.Tech. in Civil/ Chemical/Mechanical/ Mechanical Engg. (Material Science & Nanotechnology)/ Metallurgy /Aeronautical/ Electronics/ Electrical/Computer Engg. /CSE/IT/CSSE/Bio- Technology/ Material Science (or) Equivalent Degree M.Sc. in Chemistry/Physics/Biotechnology/ Earth Sciences/Environmental Science & Technology/ Electronics or Equivalent.	CE, CH, ME, MT AE, EC EE, CS BT, CY PH, XE, XL	NT
12	M.Tech. (Energy Studies)	Energy Systems	B.E./ B.Tech./ AMIE in Mechanical/ Aeronautical/Automobile/Mechanical (Production)/Mechanical(Mechatronic) / Mining Engg/ EEE / Electrical Engg / Chemical Engg / Chemical Technology/ Mining Machinery (or) equivalent.	AE ME MN EE CH	AS ME CH EE MN
13	M.Tech. (Center for Environment)	Environmental Management	Graduate in Engg./Tech. (only in the branches of Civil / Biotechnology / Mechanical / Environmental and Chemical Engg.) / Agriculture / 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 under graduation in Sciences.	Relevant GATE Exam	EM
		Environmental Geomatics	Graduate in Engg./Tech/ Agriculture/ Pharmacy/Fisheries/Animal Husbandry / Horticulture. or Post Graduate in Mathematics/ Physics/Chemistry /Life Sciences (Botany, Zoology, Microbiology, Biochemistry, Genetics, Biotech. Bioinformatics etc.)/ Environmental Sciences /Geo Informatics /Earth Science/ Atmospheric Science/ Geology or MCA with under graduation in Sciences.		
14	M.Tech. (Spatial Information Technology)	Spatial Information Technology	B.E./B.Tech: Civil / Environmental/ CSE/IT/CSIT/CSSE/ECE/ Remote Sensing / Marine Engg / Bioinformatics/ Agricultural Engg / Geomatics / Planning or Architecture other related courses. M.Sc. in Geoinformatics/ Geomatics / Geospatial Sciences/ Geophysics/ Geology/Geography/Remote Sensing/ Oceanography/Physics/Agriculture / Forestry/Horticulture//Environmental Management or equivalent	CE AG XL	GG

15	M.Tech. (Water Resources)	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
16	M.Tech. (Aeronautical Engineering)	Aerospace	B.E./B.Tech. or equivalent degree (Aeronautical/Aerospace / Mechanical /Marine Engineering /Mechatronics/ Naval Architecture)/AMIE in Mechanical	ME AE	AS
17	M.Tech. (Metallurgical Engg.)	Metallurgy	B.E./B.Tech. /AMIE in Metallurgical/ Metallurgical and Material Science / /Mechanical Engg / Mechanical (Production) (or) equivalent.	ME PI	MT