

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.Tech./M.Pharm. programmes offered with eligibility criteria for the Academic Year 2025-26

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			
		Water Resource Engineering			
2.	M.Tech. (Electrical & Electronics Engg.)	Electrical Power Engineering	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			
		Power Electronics & Drives			
		Electric Vehicle Technology			
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.)/ Marine Engg./ Mining Engg./ Mining Machinery (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)/ Mechanical Engg. (Production)/ Mechanical Engg. (Industrial and Production Engg.) (or) equivalent.	ME	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/ Marine Engg./ Mining Engg./ Mining Machinery (or) equivalent.	AE, ME, PI	ME
		Robotics and Artificial Intelligence	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. B.E./ B.Tech. in ECE/ AMIE in ECE (or) Equivalent. B.E./ B.Tech./ AMIE in CSE/ Electronics & Computers Engg. (or) Equivalent.	AE, ME, PI, EC, CS	ME, EC, CS
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 M.Sc. (Electronics) is not eligible.	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/ Electronics & Computers Engg./ ETE/ Electronics & Control Engg./ Instrumentation Engg./ Instrumentation Technology / EIE/ ICE/ Electronics 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			
		Embedded Systems & VLSI Design			
		Embedded Systems & VLSI Electronics and Communication (VLSI Design)	B.E./ B.Tech./ AMIE/AMIETE in ECE/ EEE/ EIE/ ICE/ Electronics (or) equivalent	EC, EE, EI	EC
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/ AIML/ DS/ Cyber Security/ IoT/ CN/ SE (or) any other CSE allied branches (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/ AIML/ DS/ Cyber Security/ IoT/ CN/ SE (or) any other CSE allied branches (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/ AIML/ DS/ Cyber Security/ IoT/ CN/ SE (or) any other CSE allied branches (or) equivalent	CS	CS
		Software Engineering			
		Cyber Forensics & Information Security			

		Cyber Security	B.E./ B.Tech./ AMIE in CSE/ CSIT/ Electronics & Computers Engg./ IT/ Computer Science and Systems Engineering/ AIML/ DS/ Cyber Security/ IoT/ CN/ SE (or) any other CSE allied branches (or) equivalent	CS	CS
6.	M.Tech. (Electronics & Communication Engg. / Computer Science & Engg)	Computer Networks Computer Networks and Information Security	B.E./B.Tech./AMIE in CSE/ AIML/ DS/ Cyber Security/ IoT/ CN/ SE/ CSIT/ IT/ ECE/ ETM/ EEE/ EIE & CSSE/ Electronics/ any other CSE allied branch (or) equivalent	CS, EE, EC, IN	CS, EE, EC, EI
7.	M.Tech. (Bio-Technology)	Bio-Technology	B.E./ B.Tech. / AMIE in 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 Chemical Technology	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
9.	M. Pharmacy	Pharmacology Pharmaceutical Chemistry Pharmaceutics Pharmaceutical Analysis Pharmacy Practice Pharmaceutical Quality Assurance Pharmacognosy Industrial Pharmacy Pharmaceutical Regulatory Affairs Pharmaceutical Technology	B. Pharmacy	GPAT	PY
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/ CSE (Cyber Security)/ CSE (IoT)/ CSE allied branches/ 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 (Mechatronics)/ 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 Environmental Geomatics	Graduate in Engg./Tech. (only in the branches of Civil/ Biotechnology/ Mechanical/ Environmental and Chemical Engg.)/ Agriculture/ Pharmacy/ Fisheries/ Animal Husbandry/ Horticulture. B.Planning/B.Arch. (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. Graduate in Engg./Tech./ Agriculture/ Pharmacy/ Fisheries/Animal Husbandry/ Horticulture. (or) Post Graduate in Mathematics/ Physics/ Chemistry/Life Sciences (Botany, Zoology, Microbiology, Biochemistry,	Relevant GATE Exam	EM

			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 /Geoinformatics/ Environmental/ CSE/ IT/ CSIT/ CSSE/ CSE (Cyber Security)/ CSE allied branch/ ECE/ Remote Sensing/ Marine Engg./ Agricultural Engg./ Geomatics/ Planning or Architecture (or) M.Sc. in Geoinformatics/ Geomatics/ Geospatial Sciences/ Geophysics/ Geology/ Remote Sensing/ Oceanography/ Physics/ Mathematics/ Forestry/ Horticulture	CE, AG, XL	GG
15.	M.Tech. (Water Resources)	Water Resources Engineering	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 in Aeronautical/Aerospace / Mechanical/ Marine Engineering /Mechatronics/ Naval Architecture/ Mechanical Engg. (Production)/ Mechanical Engg. (Industrial and Production Engg.)/ Mining Engg./ Mining Machinery/ 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