





## Eligible Qualifications for M.Tech. Programmes

Sl.No	Programme	Groups	B.E./B.Tech. Degree	Gate Subject Code
1.	Chemical Engineering	G1	Chemical Engineering Chemical Technology Electro-Chemical Engineering	CH
2.	Environmental Engineering	G1	Civil Engineering Civil Environmental Engineering Environmental Engineering Environment & Pollution Control Environmental Science & Engineering Environmental Science & Technology Civil Engineering (Public Health Engineering)	CE
		G2	Biotech Engineering, Biotechnology Chemical Engineering, Chemical Technology	CH BT
		G3	Mechanical Engineering	ME
3.	Structural Engineering	G1	Civil Engineering, Structural Engineering Civil Engineering & Planning Civil Technology	CE
4.	Transportation Engineering & Management	G1	Civil Engineering, Highway Engineering Transportation Engineering Transportation Urban planning Civil & Transportation Engineering Civil & Transportation Technology	CE
5.	Computer Science and Engineering	G1	Computer & Communication Engineering Computer Engineering Computer Engineering & Application Computer Networking, Computer Science Computer Science & Engineering Computer Science & Information Technology Computer Science & Systems Engineering Computer Science & Technology Computer Technology, Computing in Computing Computing in Multimedia, Computing in Software Electrical and Computer Engineering Information & Communication Technology	CS

			Information Engineering, Information Science Information Science & Engineering Information Science & Technology Information Technology Information Technology and Engineering	
		G2	Electronics & Communication Engineering Electronics & Computer Engineering Electronics & Electrical Communication Engineering, Electronics & Information Systems Electronics & Telecom Engineering Electronics & Telematics Engineering	EC CS
6.	Power Electronics	G1	Electrical & Instrumentation Engineering Electrical & Electronics Engineering Electrical & Instrumentation Engineering Electrical & Power Engineering Electrical and Computer Engineering Electrical and Electronics (Power System) Electrical and Mechanical Engineering Electrical Engineering Electrical Engineering & Industrial Control Electrical Engineering (Power) Electrical Instrumentation & Control Engineering Electrical Power Engineering Control & Electrical Engineering Electronics & Electrical Communication Engineering, Electronics & Electrical Engineering Electronics & Power Engineering Power Control & Drives, Power Electronics Power Electronics & Instrumentation Engineering, Power Engineering	EE
7.	Power System	G1	Electrical & Instrumentation Engineering Electrical & Electronics Engineering Electrical & Instrumentation Engineering Electrical & Power Engineering Electrical and Computer Engineering Electrical and Electronics (Power System) Electrical and Mechanical Engineering Electrical Engineering Electrical Engineering & Industrial Control	EE

			Electrical Engineering (Power) Electrical Instrumentation & Control Engineering Electrical Power Engineering Control & Electrical Engineering Electronics & Electrical Communication Engineering, Electronics & Electrical Engineering Electronics & Power Engineering Power Control & Drives, Power Electronics Power Electronics & Instrumentation Engineering Power Engineering	
8.	Communication Systems	G1	Electronics and Communication Engineering Electronics and Telecommunication Electronics Engineering/Technology Electronics & Electrical Communication Engg. Telecommunication Engineering Communication Engineering	EC
9.	VLSI Systems	G1	Electronics and Communication Engineering Electronics and Telecommunication Electronics Engineering?Technology Electronics & Electrical Communication Engg.	EC
		G2	Electrical and Electronics Engineering Electrical Engineering Computer Science and Engineering Computer Engineering Computer Technology Electronics and Instrumentation Engineering Applied Electronics and Instrumentation Engineering Instrumentation and Control Engineering Control and Electrical Engineering Electronic Instrumentation & Control Engineering Electronics & Computer Engineering Electronics Communication & Instrumentation Engineering Electronics Instrument & Control Electronics & Electrical Engineering Electronics & Control Systems Electronics Design Technology Electronics Engineering (Design & Manufacturing)	EE IN CS EC

10.	Energy Engineering	G1	Chemical Engineering Chemical Technology Electro-Chemical Engineering	CH
		G2	Mechanical Engineering Energy Engineering Energy Science & Engineering	ME EE
		G3	Electrical & Electronics Engineering Electronics & Electrical Engineering	EE
		G4	Biotechnology, Biochemical Engineering Biotechnology & Biochemical Engineering Biochemical & Biotechnology Engineering	BT
11.	Process Control and Instrumentation	G1	Chemical Engineering Electro-Chemical Engineering	CH
		G2	Instrumentation and Control Engineering Electronics and Instrumentation Instrumentation Engineering/Technology	IN EC
		G3	Electrical and Electronics Engineering Electrical Engineering	EE
12.	Industrial Safety Engineering	G1	Mechanical Engineering Production Engineering	ME
		G2	Electrical Engineering Electrical and Electronics Engineering	EE
		G3	Chemical Engineering	CH
		G4	Civil Engineering	CE
13.	Thermal Power Engineering	G1	Mechanical Engineering	ME
14.	Industrial Metallurgy	G1	Surface Coating Technology Metallurgical & Materials Engineering Metallurgical & Materials Technology Metallurgical Engineering Metallurgical Engineering & Materials Science Metallurgy, Metallurgy & Materials Technology Materials Science & Engineering Material Science & Metallurgical Engineering Materials Science & Technology Materials & Metallurgical Engineering Industrial Metallurgy	MT

		G2	Production Engineering Production & Industrial Engineering Nuclear Science & Technology Nuclear Engineering, Mining Technology Mining Engineering, Mineral Processing Mineral Engineering, Mineral Dressing Mechanical Engineering Automobile Mechanical Engineering (Design & Manufacturing), Mechanical Engineering Mechanical & Automation Engineering Manufacturing Technology Manufacturing Science & Engineering Manufacturing Process, Manufacturing Engineering, Industrial Manufacturing Engineering, Industrial and Production Engineering, Automotive Technology, Automotive Engineering, Automobile Engineering, Chemical Engineering, Chemical Technology Industrial Engineering	ME PI CH
15.	Materials Science & Engineering	G1	Materials Science & Engineering Material Science & Metallurgical Engineering Materials Science & Technology Materials & Metallurgical Engineering Industrial Metallurgy Metallurgical & Materials Engineering Metallurgical & Materials Technology Metallurgical Engineering Metallurgical Engineering & Materials Science Metallurgy Metallurgy & Materials Technology	MT
		G2	Mechanical Engineering Production Engineering Chemical Engineering Chemical Technology Energy Science & Engineering Energy Engineering Chemical Engineering (Plastic & Polymer) Ceramic Technology Ceramic Engineering & Technology Ceramic Engineering	ME PI CH

			Ceramic and Glass Technology Cement and Ceramic Technology Mechatronics Nano Technology Nuclear Engineering Nuclear Science & Technology Polymer Technology Polymer Science & Technology Polymer Science & Rubber Technology Polymer Science & Chemical Technology Polymer Engineering & Technology Polymer Engineering, Plastics Technology Plastics Engineering, Plastic & Polymer Engineering, Production & Industrial Engineering Rubber Technology, Solar & Alternate Energy Surface Coating Technology Industrial and Production Engineering Industrial Engineering	
		G3	<b>M.Sc. degree in</b> Physics, Chemistry, Materials Science Applied Science, Applied Physics Applied Chemistry, Engineering Physics	PH CY
16.	Welding Engineering	G1	Industrial Metallurgy Materials Science & Engineering Material Science & Metallurgical Engineering Materials Science & Technology Materials & Metallurgical Engineering Metallurgical & Materials Engineering Metallurgical & Materials Technology Metallurgical Engineering Metallurgical Engineering & Materials Science Metallurgy Metallurgy & Materials Technology	MT
		G2	Mechanical Engineering Aeronautical Engineering Aerospace Engineering Automobile Engineering Automotive Engineering Automotive Technology	ME PI AE



			<p>Electrical and Mechanical Engineering  Industrial and Production Engineering  Industrial Manufacturing Engineering  Manufacturing Engineering  Manufacturing Engineering &amp; Automation  Manufacturing Process  Manufacturing Science &amp; Engineering  Manufacturing Technology  Mechanical &amp; Automation Engineering  Mechanical Engineering (Design &amp; Manufacturing)  Mechanical Engineering (Repair and Maintenance)  Mechanical Engineering Automobile  Nuclear Engineering  Nuclear Science &amp; Technology  Production &amp; Industrial Engineering  Production Engineering  Production Engineering &amp; Management  Shipbuilding Engineering</p>	
17.	Non Destructive Testing	G1	<p>Materials Science &amp; Engineering  Materials Science &amp; Metallurgical Engineering  Materials Science &amp; Technology  Materials &amp; Metallurgical Engineering  Metallurgical &amp; Materials Engineering  Metallurgical &amp; Materials Technology  Metallurgical Engineering  Metallurgical Engineering &amp; Materials Science  Metallurgy, Metallurgy &amp; Material Technology  Mechanical Engineering  Production &amp; Industrial Engineering  Production Engineering  <b>M.Sc. degree in</b>  Physics, Applied Physics  Applied Science, Engineering Physics  Engineering Physics &amp; Instrumentation  Materials Science,  Materials Science Solid State Physics</p>	<p>PH  MT  ME  PI</p>
18.	Industrial Engineering & Management	G1	<p>Automobile Engineering  Automotive Engineering  Automotive Technology</p>	<p>ME  PI</p>

			Industrial & Management Engineering Industrial & Production Engineering Industrial Engineering Industrial Engineering & Management Industrial Management Industrial Manufacturing Engineering Manufacturing Engineering Manufacturing Engineering & Automation Manufacturing Process Manufacturing Process & Automation Engineering Manufacturing Science & Engineering Manufacturing Technology Mechanical & Automation Engineering Mechanical Engineering Mechatronics Production & Industrial Engineering Production Engineering Production Engineering & Management	
19.	Manufacturing Technology	G1	Automobile Engineering Industrial & Production Engineering Industrial Manufacturing Engineering Manufacturing Engineering Manufacturing Engineering & Automation Manufacturing Process Manufacturing Process & Automation Engineering Manufacturing Science & Engineering Manufacturing Technology Mechanical & Automation Engineering Mechanical Engineering Mechanical Engineering (Design & Manufacturing) Mechatronics Production & Industrial Engineering Production Engineering Production Engineering & Management	ME PI