



4.	Computer Applications	Data Analytics	G1	2	3	1	0	0	0	0	0	6
5.	Electrical & Electronics Engineering	Power Electronics	G1	0	0	0	1	0	0	0	0	1
		Power Systems	G1	0	2	0	0	0	1	0	0	3
6.	Electronics & Communication Engineering	Communication Systems	G1	1	6	0	0	0	1	0	0	8
		VLSI System	G1	0	0	0	0	0	0	0	0	0
			G2	0	0	0	0	0	0	0	0	0
7.	Energy & Environment	Energy Engineering	G1	1	2	1	1	0	0	0	0	5
			G2	0	2	1	1	1	0	0	0	5
			G3	1	3	2	0	0	0	0	0	6
			G4	0	0	0	0	0	0	0	0	0
8.	Mechanical Engineering	Industrial Safety Engineering	G1	0	0	0	0	1	0	0	0	1
			G2	0	0	0	0	0	0	0	0	0
			G3	1	0	0	0	0	0	0	0	1
			G4	0	0	0	0	0	0	0	0	0
		Thermal Power	G1	0	0	0	0	0	0	1	0	1
9.	Metallurgical & Materials Engineering	Industrial Metallurgy	G1	2	1	1	1	0	0	0	0	5
			G2	4	2	1	1	0	0	0	0	8
		Materials Science & Engineering	G1	4	0	1	1	0	0	0	0	6
			G2	5	2	2	0	0	1	0	0	10

			G3	4	3	1	0	0	0	0	0	8
		Welding Engineering	G1	0	0	0	1	0	0	0	0	1
			G2	0	1	0	0	1	0	0	0	2
10.	Physics	Non Destructive Testing	G1	0	3	0	1	1	0	0	0	5
			G2	7	4	2	1	0	0	0	0	14
11.	Production Engineering	Industrial Engineering & Management	G1	0	2	0	0	1	0	0	0	3
		Manufacturing Technology	G1	0	0	0	0	0	0	0	1	1

### Eligible Qualifications for M.Arch. Programme

Sl.No	Specialization	Groups	B.E./B.Tech. Degree	Gate Subject Code
1.	Energy Efficient & Sustainable Architecture	G1	B.Arch. in Architecture	AR

### Eligible Qualifications for M.Tech. Programmes

Sl.No	Specialization	Groups	B.E./B.Tech. Degree	Gate Subject Code
1.	Chemical Engineering	G1	Chemical Engineering Electro-Chemical Engineering Petro-Chemical Engineering Chemical and Polymer Engineering Chemical Technology Chemical and Bio Engineering Petrochem and Petroleum Refinery Engineering Petro-Chemical Technology Petrochem Engineering Petrochem Technology	CH

		G2	Biochemical Engineering Biotech Engineering Biotechnology Biotechnology and Biochemical Engineering Industrial Biotechnology Biochemical and Biotechnology Engineering	BT, 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 Information Engineering, Information Science Information Science & Engineering	CS

			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.	Data Analytics	G1	Computer Engineering Computer Science Computer Science & Engineering Computer Science & Information Technology Computer Technology Information Technology Computer & Communication Engineering Computer Engineering & Application Computer Networking Computer Science & Systems Engineering Computer Science & Technology Computing in Computing Computing in Multimedia Computing in Software Information Engineering Information Science Information Science & Engineering Information Science & Technology Information Technology and Engineering Master of Computer Applications (MCA) M.Sc. in Computer Science M.Sc. in Information Technology M.Sc. in Software Engineering	CS
7.	Power Electronics	G1	Electrical & Instrumentation Engineering Electrical & Electronics Engineering Electrical & Instrumentation Engineering Electrical & Power Engineering Electrical and Computer Engineering Electrical and Electronics (Power System)	EE

			<p>Electrical and Mechanical Engineering  Electrical Engineering  Electrical Engineering &amp; Industrial Control  Electrical Engineering (Power)  Electrical Instrumentation &amp; Control Engineering  Electrical Power Engineering  Control &amp; Electrical Engineering  Electronics &amp; Electrical Communication Engineering,  Electronics &amp; Electrical Engineering  Electronics &amp; Power Engineering  Power Control &amp; Drives, Power Electronics  Power Electronics &amp; Instrumentation Engineering,  Power Engineering</p>	
8.	Power System	G1	<p>Electrical &amp; Instrumentation Engineering  Electrical &amp; Electronics Engineering  Electrical &amp; Instrumentation Engineering  Electrical &amp; Power Engineering  Electrical and Computer Engineering  Electrical and Electronics (Power System)  Electrical and Mechanical Engineering  Electrical Engineering  Electrical Engineering &amp; Industrial Control  Electrical Engineering (Power)  Electrical Instrumentation &amp; Control Engineering  Electrical Power Engineering  Control &amp; Electrical Engineering  Electronics &amp; Electrical Communication Engineering,  Electronics &amp; Electrical Engineering  Electronics &amp; Power Engineering  Power Control &amp; Drives, Power Electronics  Power Electronics &amp; Instrumentation Engineering  Power Engineering</p>	EE
9.	Communication Systems	G1	<p>Electronics and Communication Engineering  Electronics and Telecommunication  Electronics Engineering/Technology  Electronics &amp; Electrical Communication Engg.  Telecommunication Engineering  Communication Engineering</p>	EC

10.	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
11.	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
12.	Process Control and Instrumentation	G1	Chemical Engineering Electro-Chemical Engineering	CH
		G2	Instrumentation and Control Engineering Electronics and Instrumentation Instrumentation Engineering/Technology	IN

		G3	Electrical and Electronics Engineering Electrical Engineering	EE
13.	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
14.	Thermal Power Engineering	G1	Mechanical Engineering	ME
15.	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,	ME PI CH



			Automotive Engineering, Automobile Engineering, Chemical Engineering, Chemical Technology Industrial Engineering	
16.	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 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	ME PI CH

			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
17.	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 Electrical and Mechanical Engineering Industrial and Production Engineering Industrial Manufacturing Engineering Manufacturing Engineering Manufacturing Engineering & Automation Manufacturing Process Manufacturing Science & Engineering Manufacturing Technology Mechanical & Automation Engineering Mechanical Engineering (Design & Manufacturing) Mechanical Engineering (Repair and Maintenance) Mechanical Engineering Automobile Nuclear Engineering	ME PI AE

			Nuclear Science & Technology Production & Industrial Engineering Production Engineering Production Engineering & Management Shipbuilding Engineering	
18.	Non Destructive Testing	G1	Materials Science & Engineering Materials Science & Metallurgical Engineering Materials Science & Technology Materials & Metallurgical Engineering Metallurgical & Materials Engineering Metallurgical & Materials Technology Metallurgical Engineering Metallurgical Engineering & Materials Science Metallurgy, Metallurgy & Material Technology Mechanical Engineering Production & Industrial Engineering Production Engineering	MT ME PI
		G2	<b>M.Sc. degree in</b> Physics, Applied Physics Applied Science, Engineering Physics Engineering Physics & Instrumentation Materials Science, Materials Science Solid State Physics	PH
19.	Industrial Engineering & Management	G1	Automobile Engineering Automotive Engineering Automotive Technology 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	ME PI

			Mechanical & Automation Engineering Mechanical Engineering Mechatronics Production & Industrial Engineering Production Engineering Production Engineering & Management	
20.	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