

First Year (Semester -1&2)		
Sr. No.	Subject Name	Credit
1	Maths-I	5
2	Workshop	2
3	Environmental Studies	2
4	Elements of Mechanical Engineering	5
5	Basic Electronics	5
6	Fundamentals of Computer Programming	3
7	Maths-II	5
8	Engineering Graphics	4
9	Engineering Physics	4
10	Elements of Electrical Engineering	5
11	Communication Skills	3
12	Introduction to Entrepreneurship	2.5
13	Introduction to Innovation & Ideation	2.5

Second Year (Semester -3)		
Sr. No.	Subject Name	Credit
1	Maths-III	5
2	Circuits and Networks	6
3	Digital Electronics	6
4	DC Machines and Transformer	5
5	Electrical Measurement and Measuring Instruments	5
6	Subject from School of IE	3

Second Year (Semester -4)		
Sr. No.	Subject Name	Credit
1	Analog Electronics	5
2	AC Machines	6
3	Electrical Power Generation	6
4	Electromagnetic	5
5	Signal and System	5
6	Subject from School of IE	3

Third Year (Semester -5)		
Sr. No.	Subject Name	Credit

1	Power Electronics	6
2	Electrical Power System – I	3
3	Control System Engineering	6
4	Elements of Electrical Design	5
5	Microprocessor and Microcontroller Architecture & Interfacing	6
6	Subject from School of IE	3

Third Year (Semester -6)

Sr. No.	Subject Name	Credit
1	Industrial Automation	6
2	Electrical Power System - II	3
3	Design of DC Machines and Transformer	5
4	High Voltage Engineering	5
5	Utilization of Electrical Energy and Traction	3
6	Major Elective I	5
	Advance Microcontroller	
	Control of Electrical Drives	
7	Subject from School of IE	3

Fourth Year (Semester -7)

Sr. No.	Subject Name	Credit
1	Inter Connected Power System	5
2	Switch Gear and Protection	5
3	Design of AC Machines	5
2	Major Elective II	7
	Advance Power Electronics	
	Industrial Instrumentation	
3	Project I	7
4	Subject from School of IE	3

Fourth Year (Semester -8)

1	Major Elective III	5
	Energy Conservation and Audit	
	Power Quality and Management	
2	Project II	8

3	Power System Planning and Design	5
4	Testing and Commissioning of Electrical Equipments	5
5	Power System Operation and Control	3
6	Subject from School of IE	3