GEE - Degree in Electrical Engineering							
Group-B							
Semester-I B (UG)							
S.No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	CYT-411	Applied Chemistry	3	1	0	4	4
2	HUT-412	Engineering Economics and Entrepreneurship	3	1	0	4	4
3	CST-411	Elements of Computer Programming	2	0	0	2	2
4	ECT-411	Elements of Electronics Engineering	3	1	0	4	4
5	MET-412	Workshop Technology & Practice-I	2	0	0	2	2
6	CYP-411	Applied Chemistry Lab.	0	0	2	2	1
7	CSP-411	Elements of Computer Programming Lab.	0	0	2	2	1
8	ECP-411	Elements of Electronics Engineering lab	0	0	2	2	1
9	MEP-413	Engineering Drawing*	0	0	4	4	2
10	WSP-412	Workshop Technology & Practice-I	0	0	4	4	2
		Total	13	3	14	30	23
Semester-II B (UG)							
S.No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	AMT-421	Engineering Mathematics	3	1	0	4	4
2	PHT-421	Applied Physics	3	1	0	4	4
3	HUT-421	English Communication & Soft Skills	3	0	0	3	3
4	EET-421	Elements of Electrical Engineering	3	1	0	4	4
5	MET-421	Elements of Mechanical Engineering	3	1	0	4	4
6	PHP-421	Applied Physics Lab.	0	0	2	2	1
7	HUP-421	English Communication & Soft Skills Lab.	0	0	2	2	1
8	EEP-421	Elements of Electrical Engineering Lab	0	0	2	2	1
9	MEP-421	Elements of Mechanical Engineering Lab	0	0	2	2	1
		Total	15	4	8	27	23
	TPS-501*	Two weeks Practical Training During Summer Vacation				80	2 (S/US)
	Semester-III B (UG)						
S.No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	EET-511	Transformer and DC Machines	3	0	0	3	3
2	EET-512	Circuit Theory	3	1	0	4	4
3	EET-513	Electrical and Electronics Measurements	4	0	0	4	4
4	EET-514	Analog Devices and Circuits	3	1	0	4	4
5	EET-515	Digital Electronics	3	1	0	4	4
6	EEP-512	Circuit Theory Lab.	0	0	2	2	1
7	EEP-513	Electrical and Electronics Measurements Lab.	0	0	2	2	1
8	EEP-516	Electrical Workshop	0	0	2	2	1
9	EEP-517	Analog and Digital Electronics Lab.	0	0	2	2	1
		Total	16	3	8	27	23

	Semester-IV B (UG)						
S.No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	AMT-521	Higher Engineering Mathematics	4	0	0	4	4
2	EET-521	Network Analysis and Synthesis	3	1	0	4	4
3	EET-522	Asynchronous Machines	3	1	0	4	4
4	EET-523	Electric Power Transmission and Distribution	3	1	0	4	4
5	EET-524	Signals and Systems	3	1	0	4	4
6	EET-525	Microprocessor and Application	3	1	0	4	4
7	EEP-525	Microprocessor Lab.	0	0	2	2	1
8	EEP-526	Electrical Machines Lab. - I	0	0	2	2	1
		Total	19	5	4	28	26
	Semester-V B (UG)						
S.No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	EET-611	Synchronous and Special Electric Machines	3	1	0	4	4
2	EET-612	Linear Control System	3	1	0	4	4
3	EET-613	Industrial Electronics and Drives	3	1	0	4	4
4	EET-614	Power System Protection	3	0	0	3	3
5	EET-615	Generation and Control of Electric Power	3	1	0	4	4
6	EET-616	High Voltage Engineering	3	0	0	3	3
7	EEP-613	Industrial Electronics and Drives Lab.	0	0	2	2	1
8	EEP-617	Electrical Machines Lab - II	0	0	2	2	1
9	EEP-618	Power System Lab.	0	0	2	2	1
		Total	18	4	6	28	25
	Semester-VI B (UG)						
S.No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	AMT-621	Numerical Analysis	3	1	0	4	4
2	EET-621	Electromagnetic Field Theory	3	1	0	4	4
3	EET-622	Non-Linear and Discrete Control System	3	1	0	4	4
4	EET-623	Power System Analysis	3	1	0	4	4
5	EET-62*	Elective - I	4	0	0	4	4
6	**O-62*	Open Elective Subject	3	0	0	3	3
7	AMP-621	Numerical Analysis Lab.	0	0	2	2	1
8	EEP-623	Power System Analysis Lab.	0	0	2	2	1
9	EEP-625	Control System Lab.	0	0	2	2	1
		Total	19	4	6	29	26
	TPS-701*	Industrial Training (6 weeks)				200	8 (S/US)

	Semester-VII B (UG)						
S.No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	PHT-711	Physics of Materials	3	1	0	4	4
2	HUM-711	Human Values and Professional Ethics	2	0	0	2	2
3	**O-71*	Open Elective Subject	3	0	0	3	3
4	EET-71*	Elective-II	4	0	0	4	4
5	EET-71*	Elective-III	4	0	0	4	4
6	PHP-711	Physics of Materials Lab.	0	0	2	2	1
7	EEP-713	Software and Simulation Lab	0	0	2	2	1
9	EEP-715	Minor Project	0	0	4	4	2
		Total	16	1	8	25	21
	Semester-VIII B (UG)						
S.No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	CHM-721	Environmental Studies	3	0	0	3	3
2	HUT-721	Principles of Management	3	1	0	4	4
3	**O-72*	Open Elective Subject	3	0	0	3	3
4	EET-72*	Elective-IV	4	0	0	4	4
5	EEP-721	Major Project	0	0	8	8	4
6	EEP-722	Seminar	0	0	2	2	1
		Total	13	1	10	24	19

ELECTIVE -I	
EET-624	Process Dynamics and Control
EET-625	Electric Power Utilization and Traction
EET-626	Power Quality
EET-627	Power System Operation and Control
ELECTIVE-II	
EET-711	Microcontroller and PLC
EET-712	Communication Systems
EET-713	Digital Signal Processing
EET-714	Soft Computing
ELECTIVE-III	
EET-715	Sensors and Signal Conditioning
EET-716	Bio-Medical Instrumentation
EET-717	HVDC Transmission and FACTS
EET-718	Data Acquisition System
ELECTIVE -IV	
EET-721	Non-Conventional Energy Sources
EET-722	Electrical Machine Design
EET-723	Power Plant Engineering
EET-724	Energy Management and Auditing
OPEN ELECTIVES	
EEO-621	Elements of Power System
EEO-711	Electrical Special Machines
EEO-721	Energy Conservation and Practices