

SUBJECTS OF STUDY AND SCHEME OF EVALUATION

Electrical & Electronics Engineering

Sl No.	Code	Course	Course Category	Periods per week			Credits	Type	Evaluation	
				Theory	Practical	Total			CA	External
Semester I										
1.	1001	English for Communication I	F	2	2	4	3	T	50	100
2.	1002	Engineering Mathematics I	F	6	0	6	6	T	50	100
3.	1003	Engineering Physics I	F	3	0	3	3	T	50	100
4.	1004	Engineering Chemistry I	F	3	0	3	3	T	50	100
5.	2005	Engineering Graphics	F	2	3	5		D	0	0
6.	1009	Health & Physical Education	C	1	2	3	2	P	50	50
7.	2008	Workshop Practice	F	0	3	3		P	0	0
8.	1008	Computing Fundamentals	C	2	3	5	4	P	50	50
9.	2007	Engineering Science Lab I	F	0	3	3		P	0	0
				19	16	35	21			
Semester II										
10.	2001	English for Communication II	F	2	2	4	3	T	50	100
11.	2002	Engineering Mathematics II	F	6	0	6	6	T	50	100
12.	2003	Engineering Physics II	F	3	0	3	3	T	50	100
13.	2004	Engineering Chemistry II	F	3	0	3	3	T	50	100
14.	2031	Basic Electrical Engineering	B	4	0	4	4	T	50	100
15.	2005	Engineering Graphics	F	1	3	4	5	D	50	100
16.	2008	Workshop Practice	F	0	3	3	3	P	50	50
17.	2007	Engineering Science Lab II	F	0	3	3	3	P	50	50
18.	2039	Basic Electrical Engineering Workshop	B	0	3	3	2	P	50	50
19.	2009	Life Skill	C	1	1	2	2	P	50	50
				20	15	35	34			
Semester III										
20.	3032	Electrical Measuring Instruments	B	5	0	5	5	T	50	100
21.	3031	Analog Devices & Circuits	B	4	0	4	4	T	50	100

22.	3033	Fundamentals of AC Systems	B	4	0	4	4	T	50	100
23.	3034	Mechanical Engineering	B	4	0	4	4	T	50	100
24.	3001	Environmental Science & Disaster Management	C	3	0	3	3	T	50	100
25.	3039	Electrical Measurements Lab	B	0	6	6	4	P	50	50
26.	3037	Electrical Workshop Practice	B	0	6	6	3	P	50	50
27.	3038	Mechanical Engineering Lab	B	0	3	3	2	P	50	50
				20	15	35	29			
Semester IV										
28.	4034	Electric Power Generation, Transmission & Distribution	A	4	0	4	4	T	50	100
29.	4033	Electrical Estimating and Costing	A	5	0	5	5	T	50	100
30.	4031	DC Machines	B	4	0	4	4	T	50	100
31.	4032	Digital Electronics & Microprocessors	A	4	0	4	4	T	50	100
32.	4037	Electrical Engineering Drawing	B	3	0	3	2	D	50	100
33.	4039	DC Machines Lab	B	0	6	6	3	P	50	50
34.	4038	Electrical Computer Aided Drafting Lab	B	0	3	3	2	P	50	50
35.	4036	Industrial Electrical Engineering Lab	B	0	6	6	3	P	50	50
36.	4009	Mini Project	A	1 Week			5	P	50	50
				20	15	35	32			
Semester V										
37.	5001	Industrial Management & Safety	C	4	0	4	4	T	50	100
38.	5031	Induction Machines	A	5	0	5	4	T	50	100
39.	5032	Power Electronics	A	4	0	4	4	T	50	100
40.	5035	Renewable Energy Sources	E	4	0	4	4	T	50	100
	5033	Advanced Electrical Measurements & Instrumentation	E	4	0	4	4	T	50	100
	5034	Electrical Engineering Materials	E	4	0	4	4	T	50	100
41.	5039	A C Machines Lab I	A	0	6	6	3	P	50	50
42.	5038	Electronics Lab	A	0	6	6	3	P	50	50
43.	5009	Industrial Training/Industrial Visit/Collaborative work	A	2 Week			2	P	50	0

44.	6009	Project & Seminar	A	0	6	6	0	Pr	0	0
				17	18	35	24			
Semester VI										
45.	6033	Synchronous Machines & FHP Motors	A	5	0	5	5	T	50	100
46.	6031	Electrical Power Utilization & System Protection	A	5	0	5	5	T	50	100
47.	6032	Microcontrollers and Programmable logic Controllers	A	5	0	5	5	T	50	100
48.	6034	Electrical Devices & Controls	E	4	0	4	4	T	50	100
	6035	Electrical Machine Design	E	4	0	4	4	T	50	100
	6036	Industrial Automation	E	4	0	4	4	T	50	100
49.	6038	Industrial Automation Lab	A	0	5	5	3	P	50	50
50.	6039	A C Machines Lab II	A	0	5	5	3	P	50	50
51.	6009	Project & Seminar	A	0	6	6	10	Pr	50	50
				19	16	35	35			
							175			
Abbreviations used: Course Categories: F - Foundation Courses, C - Common Courses, B - Basic Technology Courses, A - Applied Technology Courses, E - Elective Courses Evaluation Type: T - Theory, P - Practical, D - Drawing, Pr - Project										