

CURRICULAM

B.E. Electrical and Electronics Engineering

Regulation R2022

Sl.No	Course code	Course Name	Category		L	T	P	C
1	IC610001	Professional English I	ICC	Theory	2	0	0	2
2	IC610002	Matrices and Calculus	ICC	Theory	2	1	0	3
3	IC610003	Engineering Physics	ICC	Theory	3	0	0	3
4	IC610004	Engineering Chemistry	ICC	Theory	3	0	0	3
5	CS610005	Problem Solving and 'C' Programming	ICC	Theory	3	0	0	3
6	ME610006	Engineering Graphics with CAD	ICC	Theory with Practical Component	2	0	2	3
7	IP610101	Physics & Chemistry Laboratory	ICC	Practical	0	0	3	1.5
8	IP610102	Programming in 'C' Laboratory	ICC	Practical	0	0	3	1.5
9		NCC/NSS/NSO *	IMC	Institute Mandatory	1*	0	0	0
10	IC610007	Tamil marabu/Heritage of Tamil	ICC	Theory	1	0	0	1
		Total			17	1	8	21

Sem - 02

11	IC620008	Professional English II	ICC	Theory with Practical Component	2	0	2	3
12	IC620009	Transforms & Partial Differential Equations	ICC	Theory	2	1	0	3
13	IC620010	Engineering Materials (for Non Circuit Branches)	ICC	Theory	3	0	0	3
	IC620011	Semiconductor Physics (for Circuit Branches)			3	0	0	
14	ME620012	Engineering Mechanics (for Non Circuit Branches)	PCC	Theory	3	0	0	3

	CS620013	Fundamentals of Artificial Intelligence (for Circuit Branches)			3	0	0	
15	CS620014	Python Programming	ICC	Theory	3	0	0	3
16	EE620015	Basic Engineering	ICC	Theory	3	0	0	3
17	IP620103	Python Laboratory	ICC	Practical	0	0	3	1.5
18	IP620104	Engineering practice laboratory	ICC	Practical	0	0	3	1.5
19	IM610401	Environmental Studies	IMC	Institute Mandatory	2*	0	0	0
20	IC620016	Tamils and technology	ICC	Theory	1	0	0	1
		Total			19	1	8	22

Sem - 03

21	IC630017	Numerical Methods and Statistics	ICC	Theory	3	0	0	3
22	EE630203	Electric Circuits and Networks	PCC	Theory with Practical Component	2	0	2	3
23	EC630901	Analog Electronic Circuits	PCC	Theory	3	0	0	3
24	EE630201	Measurements and Instrumentation	PCC	Theory	3	0	0	3
25	EE630202	Electromagnetic Fields	PCC	Theory With project	3	0	0	3
26		Professional Elective - I	PEC	Theory	3	0	0	3
27	EC630902	Analog Electronic Circuits Laboratory	PCC	Practical	0	0	3	1.5
28	EE630301	Measurements and Instrumentation Laboratory	PCC	Practical	0	0	3	1.5
29	EE630501	Integrated Aptitude Skills - I (Lower)	EEC	skill based course	0	0	1	0.5 [#]
30	IM630402	Universal Human Values	IMC	Institute Mandatory	2*	0	0	0
		Total			19	0	9	21

Sem - 04

31	IC640018	Boundary value problems and probability distributions	ICC	Theory	3	0	0	3
----	----------	---	-----	--------	---	---	---	---

32	EE640204	Electrical Control Systems	PCC	Theory with Practical Component	2	0	2	3
33	EE640205	DC Machines and Transformers	PCC	Theory with project	3	0	0	3
34	EE640206	Linear Integrated and Digital logic Circuits	PCC	Theory	3	0	0	3
35		Professional Elective - II	PEC	Theory	3	0	0	3
36		Institute Elective - I	IEC	Theory	3	0	0	3
37	EE640302	DC Machines and Transformers Laboratory	PCC	Practical	0	0	3	1.5
38	EE640303	Linear and Digital Circuits Laboratory	PCC	Practical	0	0	3	1.5
39	EE640502	Integrated Aptitude Skills - II (Lower)	EEC	skill based course	0	0	1	0.5 [#]
40		In plant Training (2 Weeks)	IMC	Institute Mandatory				0
		Total			17	0	9	21

Sem - 05

41	EE650207	Power System Analysis	PCC	Theory with Practical Component	2	0	2	3
42	EE650208	Power Electronics	PCC	Theory with project	3	0	0	3
43	EE650209	Induction and Synchronous Machines	PCC	Theory	3	0	0	3
44		Institute elective -2	IEC	Theory	3	0	0	3
45		Professional elective-3	PEC	Theory	3	0	0	3
46		Professional elective-4	PEC	Theory	3	0	0	3
47	EE650304	Power Electronics Laboratory	PCC	Practical	0	0	3	1.5
48	EE650305	Induction and Synchronous Machines Laboratory	PCC	Practical	0	0	3	1.5
49		Integrated Aptitude Skills - I (Higher)	EEC	skill based course	0	0	2	1 [#]
50	EE650801	Energy Audit and Environment Management	PMC	Programme Mandatory	2 [*]	0	0	0

		Total			20	0	8	21
--	--	-------	--	--	----	---	---	----

Sem - 06

51	EE660210	Digital Signal Processing	PCC	Theory with Practical Component	2	0	2	3
52	EE660211	Solid State Drives	PCC	Theory with project	3	0	0	3
53	EC660903	Microprocessor and Interfacing	PCC	Theory	3	0	0	3
54		Institute elective -3	IEC	Theory	3	0	0	3
55		Professional elective-5	PEC	Theory	3	0	0	3
56		Professional elective-6	PEC	Theory	3	0	0	3
57	EC660904	Microprocessor and Interfacing Laboratory	PCC	Practical	0	0	3	1.5
58	EE670307	Electrical Estimation, Costing and Power Wiring Laboratory	PCC	Practical	0	0	3	1.5
59	EE660504	Electrical Computer Aided Design (ECAD)	EEC	skill based course	0	0	2	1 [#]
60	IM660403	Professional Ethics	IMC	Institute Mandatory	2*	0	0	0
61		Internship	IMC	Institute Mandatory				0
		Total			19	0	10	21

Sem - 07

62	EE670214	Power System Operation and Control	PCC	Theory with Practical Component	2	0	2	3
63	EE670212	Protection and Switchgear	PCC	Theory	3	0	0	3
64	EE670213	Electric Vehicles	PCC	Theory with project	3	0	0	3
65		Institute elective -3	IEC	Theory	3	0	0	3
66		Professional elective-7	PEC	Theory	3	0	0	3
67		Professional elective-8	PEC	Theory	3	0	0	3
68	EE660306	Power System Simulation Laboratory	PCC	Practical	0	0	3	1.5

69	EE670308	Green Energy Laboratory	PCC	Practical	0	0	3	1.5
70	MG670019	Innovation Entrepreneurship and Startups	ICC	Theory	3	0	0	3
71		Advanced career development	EEC	skill based course	0	0	2	1 [#]
		Total			20	0	10	24

Sem - 08

72		Project Work	EEC	Practical	0	0	20	10
----	--	--------------	-----	-----------	---	---	----	----