

ANNA UNIVERSITY :: CHENNAI 600 025

CURRICULUM 2004

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

SEMESTER III

THEORY

1.	MA 1201	Mathematics – III	3	1	0	100
2.	CY 1201	Environmental Science and Engineering	3	0	0	100
3.	EE 1201	Electromagnetic Theory	3	1	0	100
4.	EE 1202	Electrical Machines – I	3	1	0	100
5.	EC 1211	Electronic Devices	3	0	0	100
6.	CS 1211	Data Structures and Algorithms	3	1	0	100
7.	ME 1211	Applied Thermodynamics	3	1	0	100

PRACTICAL

1.	EE 1203	Electrical Machines Laboratory – I	0	0	3	100
2.	CS 1212	Data Structures and Algorithms Laboratory	0	0	3	100

SEMESTER IV

THEORY

1.	MA 1251	Numerical Methods	3	1	0	100
2.	EE 1251	Electrical Machines – II	3	1	0	100
3.	EE 1252	Transmission & Distribution	3	1	0	100
4.	IC 1251	Control Systems	3	1	0	100
5.	EC 1261	Electronic Circuits	3	0	0	100
6.	CS 1261	Object Oriented Programming	3	1	0	100

PRACTICAL

1.	IC 1252	Control Systems Laboratory	0	0	3	100
2.	EC 1262	Electronic Devices and Circuits Laboratory	0	0	3	100
3.	EE 1304	Electrical Machines Laboratory – II	0	0	3	100

SEMESTER V

THEORY

1.	EE 1301	Power Electronics	3	0	0	100
2.	EE 1302	Protection & Switchgear	3	0	0	100
3.	EC 1311	Communication Engineering	3	0	0	100
4.	EC 1312	Digital Logic Circuits	3	1	0	100
5.	EC 1313	Linear Integrated Circuits	3	0	0	100
6.	GE 1301	Professional Ethics & Human Values	3	0	0	100

PRACTICAL

1.	EE 1303	Power Electronics Laboratory	0	0	3	100
2.	EC 1314	Integrated Circuits Laboratory	0	0	3	100
3.	GE 1303	Communication Skills and Technical Seminar	0	0	2	**
4.	CS 1262	Object Oriented Programming Laboratory (exercise on Application of C++)	0	0	3	100

SEMESTER VI

THEORY

1.	EE 1351	Solid State Drives	3	0	0	100
2.	EE 1352	Power System Analysis	3	1	0	100
3.	EI 1361	Measurements & Instrumentation	3	0	0	100
4.	EC 1361	Digital Signal Processing	3	1	0	100
5.	EC 1362	Microprocessor & Microcontroller	3	1	0	100
6.	MG 1351	Principles of Management	3	0	0	100

PRACTICAL

1.	EI 1362	Measurements & Instrumentation Laboratory	0	0	3	100
2.	EC 1363	Microprocessor & Micro controller Laboratory	0	0	3	100
3.	GE 1351	Presentation Skills and Technical Seminar	0	0	2	**

SEMESTER VII

THEORY

1.	EE 1401	Power System Operation and Control	3	1	0	100
2.	EE 1402	High Voltage Engineering	3	0	0	100
3.	EE 1403	Design of Electrical Apparatus	3	1	0	100

4.	MG 1401	Total Quality Management	3	0	0	100
5.	E1***	Elective – I	3	0	0	100
6.	E2***	Elective – II	3	0	0	100

PRACTICAL

1.	EE 1404	Power System Simulation Laboratory	0	0	3	100
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**** No Examination**

SEMESTER VIII

THEORY

1.	EE 1451	Electric Energy Generation, Utilization and Conservation	3	0	0	100
2.	E3***	Elective – III	3	0	0	100
3.	E4***	Elective – IV	3	0	0	100

PRACTICAL

1.	EE 1452	Project	0	0	12	200
2.	EE 1453	Comprehension	0	0	2	**

**** No Examination.**

LIST OF ELECTIVES

ELECTIVE I

Sl.No	Code No.	Course Title	L	T	P	M
1.	EI 1001	Fibre Optics and Laser Instruments	3	0	0	100
2.	CS 1031	Visual Languages and Applications	3	1	0	100
3.	IC 1031	Advanced Control System	3	0	0	100
4.	EC 1031	Tele Communication Switching and Networks	3	0	0	100
5.	EE 1001	Special Electrical Machines	3	0	0	100

ELECTIVE II

Sl.No	Code No.	Course Title	L	T	P	M
6.	EI 1351	Bio-Medical Instrumentation	3	0	0	100
7.	CS 1032	Artificial Intelligence and Expert Systems	3	0	0	100

8.	CS 1033	Data Communication and Networks	3	0	0	100
9.	EE 1002	Power System Dynamics	3	0	0	100
10.	CS 1034	Computer Architecture	3	1	0	100

ELECTIVE III

Sl.No	Code No.	Course Title	L	T	P	M
11.	CS 1035	Operating Systems	3	1	0	100
12.	EE 1003	Power System Transients	3	0	0	100
13.	CS 1036	Internetworking Technology	3	0	0	100
14.	EC 1032	Embedded System Design	3	0	0	100
15.	EC 1451	Mobile Communication	3	0	0	100

ELECTIVE IV

Sl.No	Code No.	Course Title	L	T	P	M
16.	EE 1004	Power Quality	3	0	0	100
17.	IC 1002	Adaptive Control	3	0	0	100
18.	EE 1006	Operation Research	3	0	0	100
19.	EC 1461	VLSI Design	3	0	0	100
20.	IC 1403	Neural Network and Fuzzy Logic Control	3	0	0	100