

ANNA UNIVERSITY :: CHENNAI – 600 025

DEGREE OF BACHELOR OF ENGINEERING

BRANCH: B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

CURRICULUM

SEMESTER I

(Applicable to candidates to be admitted in 2003 – 2004)

S.No	Code No.	Course Title	L	T	P	M
THEORY						
1.	MA131	Mathematics – I	3	1	0	100
2.	PH125	Physics – I	3	0	0	100
3.	CM125	Chemistry – I	3	0	0	100
4.	GE131	Engineering Mechanics	3	1	0	100
5.	L1	Language Elective – I	3	1	0	100
PRACTICAL						
1.	PH126	Physics Laboratory	0	0	2	100
2.	CM126	Chemistry Laboratory	0	0	2	100
3.	GE132	Computer Practice – I	1	0	3	100
4.	GE133	Workshop Practice	0	0	4	100

SEMESTER II

(Applicable to candidates to be admitted in 2003 – 2004)

THEORY						
1.	MA132	Mathematics – II	3	1	0	100
2.	PH133	Physics – II	3	0	0	100
3.	CE151	Solid Mechanics	2	0	0	100
4.	EE131	Electric Circuit Analysis	3	1	0	100
5.	CM132	Chemistry – II	3	0	0	100
6.	L2	Language Elective – II	3	1	0	100
PRACTICAL						
1.	GE 134	Engineering Graphics	1	0	3	100
2.	GE 135	Computer Practice – II	1	0	3	100
3.	EE 141	Electric Circuit Laboratory	0	0	3	100

1. The Syllabi for other courses of I and II semester may be followed as given under Syllabi 1 – 4.
2. The Revised Syllabi for MA131, MA132 should be followed.

The following curriculum is applicable to all candidates studying 2nd and 3rd year in the academic year 2003- 2004

SEMESTER III

THEORY

1.	MA231	Mathematics - III	3	1	0	100
2.	PH231	Material Science	3	0	0	100
3.	EC253	Electron Devices	3	0	0	100
4.	CE261	Fluid Mechanics	2	0	0	100
5.	ME251	Thermodynamics	3	0	0	100
6.	EE232	Electrical Machines – I	3	1	0	100
7.	EE231	Electromagnetic Theory	3	1	0	100

PRACTICAL

8.	EE241	Electrical Machines Laboratory-I	0	0	3	100
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SEMESTER IV

THEORY

1.	EC254	Electronic Circuits	3	0	0	100
2.	EC256	Communication Engineering	3	0	0	100
3.	EE234	Electrical Machines –II	3	1	0	100
4.	EE235	Control Systems	3	1	0	100
5.	EE236	Network Analysis And Synthesis	3	1	0	100
6.	EE237	Object Oriented Programming	2	0	2	100

PRACTICAL

7.	EC258	Electronics Laboratory	0	0	3	100
8.	EE242	Electrical Machines Laboratory-II	0	0	3	100

SEMESTER – V

THEORY

1.	EE331	Measurements & Instrumentation	3	0	0	100
2.	EE332	Power Electronics	3	1	0	100
3.	EE333	Digital Systems	3	1	0	100
4.	EE334	Integrated Circuits	3	0	0	100
5.	EE335	Transmission & Distribution	3	0	0	100
6.	EE336	Design Of Electrical Apparatus	3	1	0	100

PRACTICAL

7.	EE341	Control Systems Laboratory	0	0	3	100
8.	EE342	Power Electronics Laboratory	0	0	3	100

SEMESTER – VI

THEORY

1.	MG331	Principles Of Management	3	0	0	100
2.	EE337	Digital Signal Processing	3	1	0	100
3.	EE338	Protection & Switchgear	3	0	0	100
4.	EE339	Power System Analysis	3	1	0	100
5.	EE340	Microprocessor & Applications	3	1	0	100
6.	EE350	Computer Architecture	3	0	0	100

PRACTICAL

7.	EE343	Measurement & Instrumentation Laboratory	0	0	3	100
8.	EE344	IC & Microprocessor Laboratory	0	0	3	100

SEMESTER – VII

THEORY

1.	MG431	Engineering Economics And Financial Accounting	3	0	0	100
2.	EE431	Power System Control	3	1	0	100
3.	EE432	Solid State Drives	3	0	0	100
4.	EE433	High Voltage Engineering	3	0	0	100
5.	CE071	Principles Of Environmental Science and Engineering	3	0	0	100
6.	GE035	Professional Ethics	3	0	0	100

PRACTICAL

7.	EE439	Comprehension	0	0	3	100
8.	EE 435	Power System Simulation Lab.	0	0	3	100

SEMESTER – VIII

THEORY

1.	GE406	Total Quality Management	3	0	0	100
2.	E1***	Elective – I	3	0	0	100
3.	E2***	Elective – II	3	0	0	100

PRACTICAL

4.	EE444	Project Work	0	0	12	200
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LIST OF ELECTIVE COURSES

Elective 1 - VIII SEMESTER

S.No	Code No.	Course Title	L	T	P	M
1.	EE032	Computer Aided Design Of Electrical Apparatus.	2	0	2	100
2.	EE035	EHV AC & DC Transmission Engineering.	3	0	0	100
3.	EE036	Power System Operation.	3	0	0	100
4.	EE037	Power System Transients.	3	0	0	100
5.	EE038	Neural Networks and Application to Power Systems.	3	0	0	100
6.	EE040	Knowledge Based System.	3	0	0	100
7.	EE044	Intelligent Controllers.	3	0	0	100
8.	EE047	Data Base Management Systems.	3	0	0	100
9.	EE049	Computer Networks.	3	0	0	100
10.	EE050	Solid State Relays.	3	0	0	100
11.	EI007	Power Plant Instrumentation.	3	0	0	100

Elective 2 - VIII SEMESTER

S.No	Code No.	Course Title	L	T	P	M
1.	EE031	Special Electrical Machines.	3	0	0	100
2.	EE033	Power Electronic Instrumentation.	3	0	0	100
3.	EE034	Advanced Power Electronic Systems.	3	0	0	100
4.	EE039	Fuzzy Set Theory and Application to Power Systems.	3	0	0	100
5.	EE041	Electric Energy Utilization And Conservation.	3	0	0	100
6.	EE042	Advanced Control Systems.	3	0	0	100
7.	EE043	Principles of Robotics.	3	0	0	100
8.	EE045	Bio-Medical Instrumentation.	3	0	0	100
9.	EE046	Micro-Controller Based System Design.	3	0	0	100
10.	EE048	Visual Language and Its Application to Electrical Engineering.	3	0	0	100
11.	GE034	Creativity, Innovation and New Product Development.	2	0	2	100

GENERAL ELECTIVES

1.	HS053	Communication Skills for Engineers	2	0	2	100
2.	GE037	Intellectual Property Right (IPR)	3	0	0	100
3.	GE038	Indian Constitution and Society	3	0	0	100

LANGUAGE ELECTIVES

1.	HS034	Technical Tamil	2	0	2	100
2.	HS035	Technical German – I	3	1	0	100
3.	HS036	Technical German - II	3	1	0	100
4.	HS037	Technical Japanese – I	3	1	0	100
5.	HS038	Technical Japanese – II	3	1	0	100
6.	HS039	Technical French – I	3	1	0	100
7.	HS040	Technical French – II	3	1	0	100
8.	HS041	English – I	3	1	0	100
9.	HS042	English – II	3	1	0	100