

ANNA UNIVERSITY :: CHENNAI – 600 025

DEGREE OF BACHELOR OF ENGINEERING
(8 SEMESTER PROGRAMME)

BRANCH: ELECTRONICS AND COMMUNICATION ENGINEERING
CURRICULUM

Code No.	Course Title	L	T	P	M
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SEMESTER 1

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

THEORY

CM125	Chemistry I	3	0	0	100
GE131	Engineering Mechanics	3	1	0	100
L1	Language Elective I	3	1	0	100
MA131	Mathematics I	3	1	0	100
PH125	Physics I	3	0	0	100

PRACTICAL

GE132	Computer Practice I	1	0	3	100
GE133	Workshop Practice	0	0	4	100
CM126	Chemistry Laboratory	0	0	2	100
PH126	Physics Laboratory	0	0	2	100

Code No.	Course Title	L	T	P	M
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SEMESTER 2

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

THEORY

EC142	Circuit Theory	3	1	0	100
EC141	Electronics Devices	3	0	0	100
L2	Language Elective II	3	1	0	100
PH135	Material Science	3	0	0	100
MA132	Mathematics II	3	1	0	100
CM132	Chemistry II	3	0	0	100

PRACTICAL

GE135	Computer Practice II	1	0	3	100
EC143	Electric Circuit Lab	0	0	3	100
GE134	Engineering Graphics	1	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

Code No.	Course Title	L	T	P	M
SEMESTER 3					
THEORY					
EE253	Electrical Engineering	3	0	0	100
EC233	Electromagnetic Fields	3	1	0	100
EC234	Electronic Circuits I	3	1	0	100
MA231	Mathematics III	3	1	0	100
EC231	Network Analysis and Synthesis	3	1	0	100
EC232	Signals and Systems	3	1	0	100
PRACTICAL					
EE254	Electrical Engineering Lab	0	0	3	100
EC236	Electronic Devices and Circuits Lab	0	0	3	100
SEMESTER 4					
THEORY					
MA034	Random Processes	3	1	0	100
EC241	Electronic Circuits II	3	1	0	100
EC242	Digital Electronics	3	0	0	100
EC243	Programming and Data Structures	3	1	0	100
EC244	Linear Integrated Circuits	3	0	0	100
EC245	Measurements and Instrumentation	3	0	0	100
PRACTICAL					
EC246	Computer Programming Lab	0	0	3	100
EC247	Electronic Circuit Design Lab	0	0	3	100
SEMESTER 5					
THEORY					
EC331	Microprocessor and Applications	3	0	0	100
EC332	Communication Theory and Systems	3	1	0	100
EC333	Digital Signal Processing	3	1	0	100
EC334	Control Systems	3	0	0	100
EC335	Transmission Lines and Networks	3	0	0	100
EC336	Computer Architecture	3	0	0	100
PRACTICAL					
EC337	Digital System Design and Signal Processing Lab	0	0	3	100
EC338	Microprocessor and Control Lab	0	0	3	100

Code No.	Course Title	L	T	P	M
SEMESTER 6					
THEORY					
MG325	Engineering Economics and Financial Accounting	3	0	0	100
EC341	Digital Communication	3	0	0	100
EC342	EM Waves and Wave Guides	3	1	0	100
EC343	Computer Communication Networks	3	0	0	100
EC345	Television and Video Engineering	3	0	0	100
E1***	Elective I	3	0	0	100
PRACTICAL					
EC346	Communication System Lab	0	0	3	100
EC435	Electronic System Design Lab	0	0	3	100
SEMESTER 7					
THEORY					
MG331	Principles of Management	3	0	0	100
EC431	Antennas and Propagation	3	0	0	100
EC432	Microwave Engineering	3	0	0	100
EC433	Optical Communication	3	0	0	100
GE035	Professional Ethics	3	0	0	100
CE071	Principles of Environmental Science and Engineering	3	0	0	100
PRACTICAL					
EC439	Comprehension	0	0	3	100
EC440	RF Lab	0	0	3	100
EC434	Microwave and Optical Communication Lab	0	0	4	100
SEMESTER 8					
THEORY					
E2***	Elective II	3	0	0	100
GE406	Total Quality Management	3	0	0	100
PRACTICAL					
EC444	Project Work	0	0	12	200

**LIST OF ELECTIVES
VI SEMESTER**

Code No.	Course Title	L	T	P	M
EC034	Operating System	3	0	0	100
EC035	Computer Hardware and Interfacing	3	0	0	100
EC036	Advanced Microprocessors	3	0	0	100
EC037	Object Oriented Programming	3	0	0	100
EC040	Industrial Electronics	3	0	0	100
EC041	Medical Electronics	3	0	0	100
EC043	Advanced Electronic System Design	3	0	0	100
EC044	Advanced Solid State Devices	3	0	0	100
EC045	Computer Aided Analysis and Design	3	0	0	100
EC051	Engineering Acoustics	3	0	0	100
EC053	Internet and Java	3	0	0	100
EC057	Advanced Digital Signal Processing	3	0	0	100

VIII SEMESTER

Code No.	Course Title	L	T	P	M
EC039	Power Electronics	3	0	0	100
EC042	Opto Electronic Devices	3	0	0	100
EC046	Very Large Scale Integrated Circuit Design	3	0	0	100
EC047	Cellular Mobile Communication	3	0	0	100
EC048	Satellite Communication and Broadcasting	3	0	0	100
EC049	Radar and Navigation Aids	3	0	0	100
EC050	Electromagnetic Interface and Compatibility	3	0	0	100
EC052	Integrated Services Digital Network	3	0	0	100
EC054	Telecommunication Switching and Networks	3	0	0	100
EC055	Telecommunication System Modeling and Simulation	3	0	0	100
EC056	Digital Image Processing	3	0	0	100
HS053	Communication Skills for Engineer's	2	0	2	100
GE037	Intellectual Property Right	3	0	0	100
GE038	Indian Constitution and Society	3	0	0	100

LANGUAGE ELECTIVES

1.	HS 034	Technical Tamil	2	0	2	100
2.	HS 035	Technical German – I	3	1	0	100
3.	HS 036	Technical German - II	3	1	0	100
4.	HS 037	Technical Japanese – I	3	1	0	100
5.	HS 038	Technical Japanese – II	3	1	0	100
6.	HS 039	Technical French – I	3	1	0	100
7.	HS 040	Technical French – II	3	1	0	100
8.	HS 041	English – I	3	1	0	100
9.	HS 042	English – II	3	1	0	100