

ANNA UNIVERSITY CHENNAI :: CHENNAI 600 025

**CURRICULUM 2004**

**B.E. ELECTRONICS AND COMMUNICATION ENGINEERING**

**FIRST YEAR – ANNUAL PATTERN**

(Applicable to the students admitted from the Academic year 2006-2007 onwards)

Code No.	Course Title	L	T	P	M
<b><u>THEORY</u></b>					
HS1X01	Technical English	3	0	0	100
MA1X01	Engineering Mathematics - I	3	1	0	100
PH1X01	Engineering Physics	3	0	0	100
CY1X01	Engineering Chemistry	3	0	0	100
EC1X01	Electron Devices	3	0	0	100
EC1X02	Circuit Analysis	3	0	2	100
GE1X01	Engineering Graphics	3	0	0	100
GE1X02	Computer Programming	2	0	2	100
<b><u>PRACTICAL</u></b>					
PC1X01	Physics & Chemistry Laboratory	0	0	3	100
GE1X03	Engineering Practices Laboratory	0	0	2	100

**CURRICULUM 2004**

**B.E. ELECTRONICS AND COMMUNICATION ENGINEERING**

**SEMESTER III**

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
MA1201	Mathematics III	3	1	0	100
EE1211	Electrical Machines	3	0	0	100
CS1151	Data Structures	3	1	0	100
EC1201	Digital Electronics	3	1	0	100
EC1202	Electron Devices	3	1	0	100
EC1203	Electronic Circuits- I	3	1	0	100
<b>PRACTICAL</b>					
EE1261	Electrical Machines Lab	0	0	3	100

EC1204	Electronic Devices and Circuits Lab I	0	0	3	100
CS1152	Data structure Lab	0	0	3	100

#### SEMESTER IV

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
MA1254	Random Processes	3	1	0	100
EC1251	Electronic Circuits II	3	1	0	100
EC1252	Signals and Systems	3	1	0	100
EC1253	Electromagnetic Fields	3	1	0	100
EC1254	Linear Integrated Circuits	3	0	0	100
EC1255	Measurements and Instrumentation	3	0	0	100
<b>PRACTICAL</b>					
EC1256	Electronics circuits II and simulation lab	0	0	3	100
EC1257	Linear Integrated Circuit Lab	0	0	3	100
EC1258	Digital Electronics lab	0	0	3	100

#### SEMESTER V

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
GE1301	Professional Ethics and Human Values	3	0	0	100
EC1301	Communication Theory	3	1	0	100
EC1302	Digital Signal Processing	3	1	0	100
EC1303	Microprocessors and Its Applications	3	0	0	100
EC1304	Control Systems	3	1	0	100
EC1305	Transmission Lines and Waveguides	3	1	0	100
GE1302	Communication skills and Seminar**	0	0	3	-
<b>PRACTICAL</b>					
EC1306	Digital Signal Processing Lab	0	0	3	100
EC1307	Microprocessor and Application Lab	0	0	3	100

### SEMESTER VI

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
MG1351	Principles of Management	3	0	0	100
EC1351	Digital Communication	3	1	0	100
CS1302	Computer Networks	3	0	0	100
EC1352	Antenna and Wave Propagation	3	1	0	100
CS1251	Computer Architecture	3	0	0	100
MA1251	Numerical Methods	3	1	0	100
GE1351	Professional Skill and Seminar**	0	0	3	-
<b>PRACTICAL</b>					
EC1353	Communication System Lab	0	0	3	100
EC1354	Networks Lab	0	0	3	100
EC1355	Electronic System Design Lab	0	0	3	100

### SEMESTER VII

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
MG1401	Total Quality Management	3	0	0	100
EC1401	VLSI Design	3	0	0	100
EC1402	Optical Communication	3	0	0	100
EC1403	Microwave Engineering	3	0	0	100
	Elective I	3	0	0	100
	Elective II	3	0	0	100
<b>PRACTICAL</b>					
EC1404	VLSI Lab	0	0	3	100
EC1405	Optical & Microwave Lab	0	0	3	100

### SEMESTER VIII

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
EC1451	Mobile Communication	3	0	0	100
	Elective III	3	0	0	100
	Elective IV	3	0	0	100
<b>PRACTICAL</b>					
EC1452	Project Work	0	0	12	200
EC1453	Comprehension**	0	0	2	-