

ANNA UNIVERSITY TIRUCHIRAPPALLI
Tiruchirappalli - 620 024
Regulations 2007
Curriculum

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING

SEMESTER III

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1201	Mathematics III	3	1	0	100
2	EE1205	Circuit Analysis	3	1	0	100
3	EC1201	Electronic Devices	3	1	0	100
4	EC1202	Digital System Design	3	1	0	100
5	CS1201	Data Structures	3	0	0	100
6	HS1201	Environmental Science and Engineering	3	0	0	100
Practical						
7	EC1203	Electronic Devices Laboratory	0	0	3	100
8	EC1204	Digital System Design Laboratory	0	0	3	100
9	CS1204	Data Structures Laboratory	0	0	3	100

SEMESTER IV

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1253	Random Processes	3	1	0	100
2	EC1251	Electronic Circuits	3	1	0	100
3	EC1252	Linear Integrated Circuits	3	0	0	100
4	EC1205	Signals and Systems	3	1	0	100
5	EC1253	Electromagnetic Fields	3	1	0	100
6	EE1261	Electrical Machines	3	0	0	100
Practical						
7	EC1254	Electronics Circuits and Simulation Laboratory	0	0	3	100
8	EC1255	Linear Integrated Circuits Laboratory	0	0	3	100
9	EE1260	Electrical Machines Laboratory	0	0	3	100

SEMESTER V

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1251	Numerical Methods	3	1	0	100
2	EC1301	Microprocessors and Microcontrollers	3	1	0	100
3	EC1302	Communication Systems	3	0	0	100
4	EC1303	Digital Signal Processing	3	1	0	100
5	EC1304	Transmission Lines and Waveguides	3	0	0	100
6	EE1304	Control Systems	3	1	0	100
Practical						
7	EC1305	Microprocessors and Microcontrollers Laboratory	0	0	3	100
8	EC1306	Digital Signal Processing Laboratory	0	0	3	100
9	HS1301	Communication and Soft Skills Laboratory	0	0	3	100

SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	EC1351	Measurements and Instrumentation	3	0	0	100
2	EC1352	Digital Communication Techniques	3	0	0	100
3	CS1302	Computer Networks	3	0	0	100
4	EC1353	Antennas and Wave Propagation	3	1	0	100
5	CS1203	Computer Architecture	3	1	0	100
6	EC1354	VLSI Design	3	0	0	100
Practical						
7	EC1355	Digital Communication Laboratory	0	0	3	100
8	CS1305	Networks Laboratory	0	0	3	100
9	EC1356	VLSI Design Laboratory	0	0	3	100

SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Embedded Systems	3	0	0	100
2		Optical Communication and Networks	3	0	0	100
3		Microwave Engineering	3	1	0	100
4		Telecommunication Switching and Networks	3	0	0	100
5	E1****	Elective I	3	0	0	100
6	E2****	Elective II	3	0	0	100
Practical						
7		Embedded Systems Laboratory	0	0	3	100
8		Optical and Microwave Laboratory	0	0	3	100
9		Electronic System Design Laboratory	0	0	3	100

SEMESTER VIII

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Total Quality Management	3	0	0	100
2		Mobile and Wireless Communication	3	1	0	100
3	E3****	Elective III	3	0	0	100
4	E4****	Elective IV	3	0	0	100
Practical						
5		Project Work	0	0	12	200

LIST OF ELECTIVES FOR ODD SEMESTER

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Medical Electronics	3	0	0	100
2		Speech Processing	3	0	0	100
3		Advanced Microprocessors	3	0	0	100
4		Advanced Digital Signal Processing	3	0	0	100
5		Electromagnetic Interference and Compatibility	3	0	0	100
6		Power Electronics	3	0	0	100
7		Television and Video Engineering	3	0	0	100
8		High Speed Networks	3	0	0	100
9		Operating Systems	3	0	0	100
10		Internet and Java Programming	3	0	0	100
11		Soft Computing	3	0	0	100
12		Satellite Communication	3	0	0	100
13		Computer Hardware and Interfacing	3	0	0	100
14		Professional Ethics and Human Values	3	0	0	100

LIST OF ELECTIVES FOR EVEN SEMESTER

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Advanced Electronic System Design	3	0	0	100
2		Optoelectronic Devices	3	0	0	100
3		Telecommunication System Modeling and Simulation	3	0	0	100
4		Radar and Navigational Aids	3	0	0	100
5		Engineering Acoustics	3	0	0	100
6		Robotics	3	0	0	100
7		Digital Image Processing	3	0	0	100
8		Wireless Networks	3	0	0	100
9		Network Security	3	0	0	100
10		Intellectual Property Rights	3	0	0	100
11		Indian Constitution and Society	3	0	0	100