

**ANNA UNIVERSITY TIRUCHIRAPPALLI**  
**Tiruchirappalli - 620 024**  
**Curriculum 2007**

**B.E. Electronics and Communication Engineering**

**SEMESTER III**

S.No.	Subject Code	Subject	L	T	P	Max. Marks
<b>Theory</b>						
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
<b>Practical</b>						
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
<b>Theory</b>						
1		Random Processes	3	1	0	100
2		Electronic Circuits	3	1	0	100
3		Linear Integrated Circuits	3	0	0	100
4		Signals and Systems	3	1	0	100
5		Electromagnetic Fields	3	1	0	100
6		Electrical Machines	3	0	0	100
<b>Practical</b>						
7		Electronics Circuits and Simulation Laboratory	0	0	3	100
8		Linear Integrated Circuits Laboratory	0	0	3	100
9		Electrical Machines Laboratory	0	0	3	100

## SEMESTER V

S.No.	Subject Code	Subject	L	T	P	Max. Marks
<b>Theory</b>						
1		Numerical Methods	3	1	0	100
2		Microprocessors and Microcontrollers	3	1	0	100
3		Communication Systems	3	0	0	100
4		Digital Signal Processing	3	1	0	100
5		Transmission Lines and Waveguides	3	0	0	100
6		Control Systems	3	1	0	100
<b>Practical</b>						
7		Microprocessors and Microcontrollers Laboratory	0	0	3	100
8		Digital Signal Processing Laboratory	0	0	3	100
9		Communication and Soft Skills Laboratory	0	0	3	100

## SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	Max. Marks
<b>Theory</b>						
1		Measurements and Instrumentation	3	0	0	100
2		Digital Communication Techniques	3	1	0	100
3		Computer Networks	3	0	0	100
4		Antennas and Wave Propagation	3	1	0	100
5		Computer Architecture	3	0	0	100
6		VLSI Design	3	0	0	100
<b>Practical</b>						
7		Digital Communication Laboratory	0	0	3	100
8		Networks Laboratory	0	0	3	100
9		VLSI Design Laboratory	0	0	3	100

## SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	Max. Marks
<b>Theory</b>						
1		Embedded Systems	3	0	0	100
2		Optical Communication and Networks	3	0	0	100
3		Microwave Engineering	3	0	0	100
4		Total Quality Management	3	0	0	100
5		Elective I	3	0	0	100
6		Elective II	3	0	0	100
<b>Practical</b>						
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
<b>Theory</b>						
1		Mobile and Wireless Communication	3	0	0	100
2		Telecommunication Switching and Networks	3	0	0	100
3		Elective III	3	0	0	100
4		Elective IV	3	0	0	100
<b>Practical</b>						
5		Project Work	0	0	12	200

## LIST OF ELECTIVES

### ODD SEMESTER

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

### EVEN SEMESTER

S.No.	Subject Code	Subject	L	T	P	Max. Marks
1		Digital Image Processing	3	0	0	100
2		Wireless Networks	3	0	0	100
3		Satellite Communication	3	0	0	100
4		Advanced Electronic System Design	3	0	0	100
5		Optoelectronic Devices	3	0	0	100
6		Telecommunication System Modeling and Simulation	3	0	0	100
7		Radar and Navigational Aids	3	0	0	100
8		Remote Sensing	3	0	0	100
9		Engineering Acoustics	3	0	0	100
10		Intellectual Property Rights	3	0	0	100
11		Indian Constitution and Society	3	0	0	100
12		Professional Ethics and Human Values	3	0	0	100