

**ANNA UNIVERSITY TIRUCHIRAPPALLI**  
**Tiruchirappalli – 620 024**

**Regulations 2008**

**Curriculum**

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

**SEMESTER III**

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1	<b>MA1201</b>	Transforms and Partial Differential Equations	3	1	0	4
2	<b>EE1204</b>	Electrical Engineering	3	0	0	3
3	<b>CS1201</b>	Data Structures	3	0	0	3
4	<b>EC1201</b>	Digital Electronics	3	0	0	3
5	<b>EC1202</b>	Signals and Systems	3	1	0	4
6	<b>EC1203</b>	Electronic Circuits I	3	0	0	3
<b>Practical</b>						
7	<b>EC1204</b>	Digital Electronics Laboratory	0	0	3	2
8	<b>EC1205</b>	Electronic Circuits I Laboratory	0	0	3	2
9	<b>CS1203</b>	Data Structures Laboratory	0	0	3	2
<b>Total</b>						<b>26</b>

**SEMESTER IV**

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1	<b>MA1253</b>	Probability and Random Processes	3	1	0	4
2	<b>EC1251</b>	Electronic Circuits II	3	1	0	4
3	<b>EC1252</b>	Communication Theory	3	1	0	4
4	<b>EC1253</b>	Electromagnetic Fields	3	1	0	4
5	<b>EC1254</b>	Linear Integrated Circuits	3	0	0	3
6	<b>EE1256</b>	Control Systems	3	0	0	3
<b>Practical</b>						
7	<b>EC1255</b>	Electronic Circuits II and Simulation Laboratory	0	0	3	2
8	<b>EC1256</b>	Linear Integrated Circuits Laboratory	0	0	3	2
9	<b>EE1257</b>	Electrical Engineering and Control Systems Laboratory	0	0	3	2
<b>Total</b>						<b>28</b>

## SEMESTER V

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		Numerical Methods	3	1	0	4
2		Measurements and Instrumentation	3	0	0	3
3		Microprocessors and Microcontrollers	3	0	0	3
4		Digital Signal Processing	3	0	0	3
5		Transmission Lines and Waveguides	3	0	0	3
6		Environmental Science and Engineering	3	0	0	3
<b>Practical</b>						
7		Microprocessors and Microcontrollers Laboratory	0	0	3	2
8		Digital Signal Processing Laboratory	0	0	3	2
9		Communication and Soft Skills Laboratory	1	0	3	2
<b>Total</b>						<b>25</b>

## SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		Digital Communication Techniques	3	0	0	3
2		Computer Networks	3	0	0	3
3		Antennas and Wave Propagation	3	1	0	4
4		Computer Architecture	3	1	0	4
5		VLSI Design	3	0	0	3
6	<b>E1****</b>	Elective I	3	0	0	3
<b>Practical</b>						
7		Digital Communication Laboratory	0	0	3	2
8		Networks Laboratory	0	0	3	2
9		VLSI Design Laboratory	0	0	3	2
<b>Total</b>						<b>26</b>

## SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		Embedded Systems	3	0	0	3
2		Optical Communication and Networks	3	0	0	3
3		Microwave Engineering	3	1	0	4
4		Satellite Communication	3	0	0	3
5	<b>E2****</b>	Elective II	3	1	0	4
6	<b>E3****</b>	Elective III	3	1	0	4
<b>Practical</b>						
7		Embedded Systems Laboratory	0	0	3	2
8		Optical and Microwave Laboratory	0	0	3	2
9		Electronic System Design Laboratory	0	0	3	2
<b>Total</b>						<b>27</b>

## SEMESTER VIII

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		Total Quality Management	3	0	0	3
2		Mobile and Wireless Communication	3	1	0	4
3	<b>E1V****</b>	Elective IV	3	0	0	3
4	<b>EV****</b>	Elective V	3	0	0	3
<b>Practical</b>						
5		Project Work	0	0	12	12
<b>Total</b>						<b>25</b>

### LIST OF ELECTIVES ODD SEMESTER

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		Medical Electronics	3	0	0	3
2		Speech Processing	3	0	0	3
3		Advanced Microprocessors	3	0	0	3
4		Advanced Digital Signal Processing	3	0	0	3
5		Electromagnetic Interference and Compatibility	3	0	0	3
6		Power Electronics	3	0	0	3
7		Television and Video Engineering	3	0	0	3
8		Professional Ethics and Human Values	3	0	0	3
9		Operating Systems	3	0	0	3
10		Internet and Java Programming	3	0	0	3
11		Computer Hardware and Interfacing	3	0	0	3
12		High Speed Networks	3	0	0	3

### LIST OF ELECTIVES EVEN SEMESTER

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