

ANNA UNIVERSITY TIRUCHIRAPPALLI
Tiruchirappalli – 620 024

Regulations 2008

Curriculum

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING
SEMESTER III

S. No.	Subject Code	Subject	L	T	P	C
Theory						
1	MA1201	Transforms and Partial Differential Equations	3	1	0	4
2	EI1202	Measurements and Instrumentation	3	0	0	3
3	EE1201	Electromagnetic Theory	3	1	0	4
4	HS1201	Environmental Science and Engineering	3	0	0	3
5	EC1209	Electron Devices and Circuits	3	0	0	3
6	CS1201	Data Structures	3	0	0	3
Practical						
7	EC1210	Electron Devices and Circuits Laboratory	0	0	3	2
8	CS1203	Data Structures Laboratory	0	0	3	2
9	EI1203	Measurements and Instrumentation Laboratory	0	0	3	2
Total						26

SEMESTER IV

S. No.	Subject Code	Subject	L	T	P	C
Theory						
1	MA1251	Numerical Methods	3	1	0	4
2	EE1251	Electrical Machines I	3	1	0	4
3	EE1252	Power Plant Engineering	3	1	0	4
4	EE1253	Control Systems	3	1	0	4
5	EC1260	Linear Integrated Circuits and Applications	3	0	0	3
6	EC1261	Digital Logic Circuits	3	1	0	4
Practical						
7	EE1254	Control Systems Laboratory	0	0	3	2
8	EC1262	Linear and Digital Integrated Circuits Laboratory	0	0	3	2
9	EE1255	Electrical Machines I Laboratory	0	0	3	2
Total						29

SEMESTER V

S. No.	Subject Code	Subject	L	T	P	C
Theory						
1		Total Quality Management	3	0	0	3
2		Electrical Machines II	3	1	0	4
3		Transmission and Distribution Engineering	3	1	0	4
4		Digital Signal Processing	3	1	0	4
5		Principles of Communication Engineering	3	0	0	3
6		Object Oriented Programming	3	0	0	3
Practical						
7		Electrical Machines II Laboratory	0	0	3	2
8		Digital Signal Processing Laboratory	0	0	3	2
9		Object Oriented Programming Laboratory	0	0	3	2
Total						27

SEMESTER VI

S. No.	Subject Code	Subject	L	T	P	C
Theory						
1		Power System Analysis	3	1	0	4
2		VLSI Design	3	1	0	4
3		Electrical Machine Design	3	1	0	4
4		Power Electronics	3	1	0	4
5		Microprocessor and Microcontroller	3	0	0	3
6		Modern Control Systems	3	1	0	4
Practical						
7		VLSI Design Laboratory	0	0	3	2
8		Microprocessor and Microcontroller Laboratory	0	0	3	2
9		Communication and Soft Skills Laboratory	0	0	3	2
Total						29

SEMESTER VII

S. No.	Subject Code	Subject	L	T	P	C
Theory						
1		Power System Operation and Control	3	1	0	4
2		Power System Protection and Switchgear	3	0	0	3
3		Solid State Drives	3	0	0	3
4		Operations Research	3	1	0	4
5		Elective I	3	0	0	3
6		Elective II	3	0	0	3
Practical						
7		Power System Simulation Laboratory	0	0	3	2
8		Power Electronics and Drives Laboratory	0	0	3	2
Total						24

SEMESTER VIII

S. No.	Subject Code	Subject	L	T	P	C
Theory						
1		Renewable Energy Sources	3	0	0	3
2		Electric Energy Generation, Conservation and Utilization	3	0	0	3
3		Elective III	3	0	0	3
4		Elective IV	3	0	0	3
Practical						
7		Project	0	0	12	6
Total						18

LIST OF ELECTIVES

S. No.	Subject Code	Subject	L	T	P	C
Elective I						
1		Professional Ethics and Human Values	3	0	0	3
2		Special Electrical Machines	3	0	0	3
3		Computer Architecture	3	0	0	3
4		Artificial Intelligence and Expert Systems	3	0	0	3
5		Network Analysis and Synthesis	3	0	0	3
Elective II						
6		Adaptive Control	3	0	0	3
7		Bio-Medical Instrumentation	3	0	0	3
8		Embedded System Design	3	0	0	3
9		Power System Dynamics	3	0	0	3
10		High Voltage Engineering	3	0	0	3
Elective III						
11		Operating Systems	3	0	0	3
12		Power System Transients	3	0	0	3
13		Internetworking Technology	3	0	0	3
14		Mobile Communication	3	0	0	3
15		Data Communication and Networks	3	0	0	3
Elective IV						
16		Power Quality	3	0	0	3
17		Process Control	3	0	0	3
18		Virtual Instrumentation	3	0	0	3
19		Neural Network and Fuzzy Logic Control	3	0	0	3
20		Electric Safety and Quality	3	0	0	3