

ANNA UNIVERSITY TIRUCHIRAPPALLI

Tiruchirappalli – 620 024

Regulations 2007

Curriculum

B.E. COMPUTER SCIENCE AND ENGINEERING

SEMESTER III

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1201	Mathematics III	3	1	0	100
2	CS1201	Data Structures	3	1	0	100
3	EC1206	Electronic Devices and Circuits	3	1	0	100
4	CS1202	Computer Architecture	3	1	0	100
5	CS1203	Object Oriented Programming	3	0	0	100
6	EE1212	Electrical Engineering and Control Systems	3	0	0	100
Practical						
7	CS1204	Data Structures Laboratory	0	0	3	100
8	EC1208	Electronic Devices and Circuits Laboratory	0	0	3	100
9	CS1205	Object Oriented Programming Laboratory	0	0	3	100

SEMESTER IV

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1252	Probability and Queuing Theory	3	1	0	100
2	CS1251	Design and Analysis of Algorithms	3	0	0	100
3	EC1207	Principles of Communication Engineering	3	1	0	100
4	CS1252	System Software	3	0	0	100
5	CS1253	Operating Systems	3	1	0	100
6	CS1254	Database Management Systems	3	1	0	100
Practical						
7	CS1255	System Software Laboratory	0	0	3	100
8	CS1256	Operating Systems Laboratory	0	0	3	100
9	CS1257	Database Management Systems Laboratory	0	0	3	100

SEMESTER V

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1301	Discrete Mathematics	3	1	0	100
2	CS1301	Software Engineering	3	0	0	100
3	CS1302	Computer Networks	3	0	0	100
4	CS1303	Theory of Computation	3	0	0	100
5	EC1301	Microprocessors and Microcontrollers	3	1	0	100
6	CS1304	Visual Programming	3	1	0	100
Practical						
7	CS1305	Network Laboratory	0	0	3	100
8	EC1305	Microprocessors and Microcontrollers Laboratory	0	0	3	100
9	CS1306	Visual Programming Laboratory	0	0	3	100

SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1251	Numerical Methods	3	1	0	100
2	CS1351	Artificial Intelligence	3	0	0	100
3	CS1352	Principles of Compiler Design	3	1	0	100
4	CS1353	Distributed Systems	3	1	0	100
5	CS1354	Graphics and Multimedia	3	0	0	100
6	HS1201	Environmental Science and Engineering	3	0	0	100
Practical						
7	CS1355	Compiler Design Laboratory	0	0	3	100
8	CS1356	Graphics and Multimedia Laboratory	0	0	3	100
9	HS1301	Communication and Soft Skills Laboratory	1	0	3	100

SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Internet Computing	3	0	0	100
2		Object Oriented Analysis and Design	3	0	0	100
3		Middleware Technologies	3	1	0	100
4		Total Quality Management	3	1	0	100
5	E1****	Elective I	3	0	0	100
6	E2****	Elective II	3	0	0	100
Practical						
7		CASE Tools Laboratory	0	0	3	100
8		Middleware Technologies Laboratory	0	0	3	100
9		Software Development Laboratory	0	0	3	100

SEMESTER VIII

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Mobile Computing	3	0	0	100
2		Network Protocols	3	0	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

S.No.	Subject Code	Subject	L	T	P	Max. Marks
ELECTIVE I						
1		Parallel Computing	3	0	0	100
2		Digital Image Processing	3	0	0	100
3		Component Based Technology	3	0	0	100
4		Natural Language Processing	3	0	0	100
5		UNIX Internals	3	0	0	100
6		Open Source Software	3	0	0	100
7		Wireless Network Systems	3	0	0	100
ELECTIVE II						
8		High Performance Microprocessors	3	0	0	100
9		Advanced Java Programming	3	0	0	100
10		Advanced Databases	3	0	0	100
11		Advanced Operating Systems	3	0	0	100
12		Embedded Systems	3	0	0	100
13		Data Warehousing and Data Mining	3	0	0	100
14		Knowledge Based Decision Support Systems	3	0	0	100
ELECTIVE III						
15		C# and .NET	3	0	0	100
16		XML and Web Services	3	0	0	100
17		User Interface Design	3	0	0	100
18		Information Security	3	0	0	100
19		Software Testing	3	0	0	100
20		Professional Ethics and Human Values	3	0	0	100
21		TCP/IP Design and Implementation	3	0	0	100
ELECTIVE IV						
22		Grid Computing	3	0	0	100
23		Fundamentals of Pervasive Computing	3	0	0	100
24		Real Time Systems	3	0	0	100
25		Soft Computing	3	0	0	100
26		Software Project Management	3	0	0	100
27		Resource Management Techniques	3	0	0	100
28		Software Quality Management	3	0	0	100