

ANNA UNIVERSITY TIRUCHIRAPPALLI
Tiruchirappalli – 620 024

Regulations 2008

Curriculum

B.E. COMPUTER SCIENCE AND 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	CS1201	Data Structures	3	0	0	3
3	EC1206	Digital Principles and Systems Design	3	1	0	4
4	CS1202	Object Oriented Programming	3	0	0	3
5	EC1207	Analog and Digital Communication	3	1	0	4
6	HS1201	Environmental Science and Engineering	3	0	0	3
Practical						
7	EC1208	Digital Laboratory	0	0	3	2
8	CS1203	Data Structures Laboratory	0	0	3	2
9	CS1204	Object Oriented Programming Laboratory	0	0	3	2
Total						27

SEMESTER IV

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1	MA1252	Probability and Queueing Theory	3	1	0	4
2	CS1251	Design and Analysis of Algorithms	3	1	0	4
3	EC1257	Microprocessors and Microcontrollers	3	0	0	3
4	CS1252	Computer Organization and Architecture	3	1	0	4
5	CS1253	Operating Systems	3	0	0	3
6	CS1254	Database Management Systems	3	0	0	3
Practical						
7	CS1255	Operating Systems Laboratory	0	0	3	2
8	CS1256	Database Management Systems Laboratory	0	0	3	2
9	EC1258	Microprocessors Laboratory	0	0	3	2
Total						27

SEMESTER V

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Discrete Mathematics	3	1	0	4
2		Software Engineering	3	0	0	3
3		Computer Networks	3	0	0	3
4		Theory of Computation	3	0	0	3
5		System Software	3	1	0	4
6		Visual Programming	3	1	0	4
Practical						
7		Networks Laboratory	0	0	3	2
8		System Software Laboratory	0	0	3	2
9		Visual Programming Laboratory	0	0	3	2
Total						27

SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Numerical Methods	3	1	0	4
2		Artificial Intelligence	3	1	0	4
3		Principles of Compiler Design	3	0	0	3
4		Distributed Systems	3	0	0	3
5		Graphics and Multimedia	3	1	0	4
6		Cryptography and Network Security	3	0	0	3
Practical						
7		Compiler Design Laboratory	0	0	3	2
8		Graphics and Multimedia Laboratory	0	0	3	2
9		Communication and Soft Skills Laboratory	1	0	3	2
Total						27

SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Internet Computing	3	1	0	4
2		Object Oriented Analysis and Design	3	0	0	3
3		Middleware Technologies	3	0	0	3
4		Total Quality Management	3	0	0	3
5	E1****	Elective I	3	0	0	3
6	E2****	Elective II	3	0	0	3
Practical						
7		CASE Tools Laboratory	0	0	3	2
8		Middleware Technologies Laboratory	0	0	3	2
9		Software Development Laboratory	0	0	3	2
Total						25

SEMESTER VIII

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Mobile Computing	3	0	0	3
2		Network Protocols	3	0	0	3
3	E3****	Elective III	3	0	0	3
4	E4****	Elective IV	3	0	0	3
Practical						
5		Project Work	0	0	12	12
Total						24

LIST OF ELECTIVES

S.No.	Subject Code	Subject	L	T	P	C
Elective I						
1		Parallel Computing	3	0	0	3
2		Digital Image Processing	3	0	0	3
3		Component Based Technology	3	0	0	3
4		Natural Language Processing	3	0	0	3
5		UNIX Internals	3	0	0	3
6		Open Source Software	3	0	0	3
7		Wireless Network Systems	3	0	0	3
Elective II						
1		High Performance Microprocessors	3	0	0	3
2		Advanced Java Programming	3	0	0	3
3		Advanced Databases	3	0	0	3
4		Advanced Operating Systems	3	0	0	3
5		Embedded Systems	3	0	0	3
6		Data Warehousing and Mining	3	0	0	3
7		Knowledge based Decision Support Systems	3	0	0	3
Elective III						
1		C # and .NET	3	0	0	3
2		XML and Webservices	3	0	0	3
3		User Interface Design	3	0	0	3
4		Information Security	3	0	0	3
5		Software Testing	3	0	0	3
6		Professional Ethics and Human Values	3	0	0	3
7		TCP / IP Design and Implementation	3	0	0	3
Elective IV						
1		Grid Computing	3	0	0	3
2		Fundamentals of Pervasive Computing	3	0	0	3
3		Real Time Systems	3	0	0	3
4		Soft Computing	3	0	0	3
5		Software Project Management	3	0	0	3
6		Resource Management Techniques	3	0	0	3
7		Software Quality Management	3	0	0	3