ANNA UNIVERSITY CHENNAI:: CHENNAI 600 025
CURRICULUM 2004
B.E. COMPUTER SCIENCE AND ENGINEERING

SEMESTER III

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
MA1201	Mathematics III	3	1	0	100
CS1151	Data Structures	3	1	0	100
CS1202	Digital Principles and Systems Design	3	1	0	100
CS1203	System Software	3	0	0	100
CS1204	Object Oriented Programming	3	0	0	100
CY1201	Environmental Science and Engineering	3	0	0	100
PRACTICAL					
CS1205	Object Oriented Programming Lab	0	0	3	100
CS1206	Digital Lab	0	0	3	100
CS1152	Data Structures Lab	0	0	3	100

SEMESTER IV

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
MA1252	Probability and Queuing Theory	3	1	0	100
CS1201	Design and Analysis of Algorithms	3	1	0	100
EC1291	Analog and Digital Communication	3	1	0	100
CS1251	Computer Architecture	3	1	0	100
CS1252	Operating Systems	3	0	0	100
CS1253	Visual Programming	3	0	0	100
PRACTICAL					
CS1207	System Software Lab	0	0	3	100
CS1254	Operating Systems Lab	0	0	3	100
CS1255	Visual Programming Lab	0	0	3	100

SEMESTER V

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
MG1351	Principles of Management	3	0	0	100
MA1256	Discrete Mathematics	3	1	0	100
CS1301	Database Management Systems	3	1	0	100
CS1302	Computer Networks	3	0	0	100
CS1303	Theory of Computation	3	1	0	100
CS1304	Microprocessors & Micro controllers	3	1	0	100
GE1302	Technical Seminar *	0	0	3	0
PRACTICAL					
CS1305	Network Lab	0	0	3	100
CS1306	Microprocessors & Micro controllers Lab	0	0	3	100
CS1307	DBMS Lab	0	0	3	100

* Offered in V semester for B.E. (CSE), B.E. (ECE) & B.E. (Mech.) only.

SEMESTER VI

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
CS1351	Artificial Intelligence	3	0	0	100
CS1352	Principles of Compiler Design	3	1	0	100
CS1353	Software Engineering	3	0	0	100
CS1354	Graphics and Multimedia	3	0	0	100
MA1251	Numerical Methods	3	1	0	100
	Elective – I	3	0	0	100
GE1352	Communication Skills Laboratory **	0	0	4	100
PRACTICAL					
CS1355	Graphics and Multimedia Lab	0	0	3	100
CS1356	Compiler Design Lab	0	0	3	100

** Offered in VI semester for B.E. (CSE), B.E. (ECE) & B.E. (Mech.) only.

SEMESTER VII

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
	Elective – II	3	0	0	100
CS1401	Internet Programming	3	0	0	100
CS1402	Object Oriented Analysis and Design	3	1	0	100
IT1252	Digital Signal Processing	3	1	0	100
	Elective III	3	0	0	100
	Elective IV	3	0	0	100
PRACTICAL					
CS1403	Case Tools Lab	0	0	3	100
CS1404	Internet Programming Lab	0	0	3	100

SEMESTER VIII

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
IT1402	Mobile Computing	3	0	0	100
	Elective V	3	0	0	100
	Elective VI	3	0	0	100
PRACTICAL					
CS1451	Project Work	0	0	12	200
CS1452	Comprehension	0	0	2	-

LIST OF ELECTIVES FOR B.E. COMPUTER SCIENCE AND ENGINEERING

SEMESTER VI

Code No.	Course Title	L	T	P	M
CS1001	Resource Management Techniques	3	0	0	100
CS1002	UNIX Internals	3	0	0	100
CS1003	High Performance Microprocessors	3	0	0	100
CS1004	Data Warehousing and Mining	3	0	0	100
CS1005	Advanced JAVA Programming	3	0	0	100
IT1353	Embedded Systems	3	0	0	100
CS1006	Advanced Databases	3	0	0	100
GE1001	Intellectual Property Rights	3	0	0	100
GE1002	Indian Constitution and Society	3	0	0	100

SEMESTER VII

Code No.	Course Title	L	T	P	M
CS1007	Advanced Operating Systems	3	0	0	100
CS1008	Real Time Systems	3	0	0	100
CS1009	TCP/IP Design and Implementation	3	0	0	100
CS1010	C# and .NET Framework	3	0	0	100
CS1011	Systems Modelling & Simulation	3	0	0	100
IT1352	Cryptography and Network Security	3	1	0	100
CS1012	Natural Language Processing	3	0	0	100
CS1013	Advanced Computer Architecture	3	0	0	100
CS1014	Information Security	3	0	0	100
CS1015	User Interface Design	3	0	0	100
CS1016	Graph Theory	3	0	0	100
MG1401	Total Quality Management	3	0	0	100

SEMESTER VIII

Code No.	Course Title	L	T	P	M
CS1017	Parallel Computing	3	0	0	100
CS1018	Soft Computing	3	0	0	100
EC1008	High Speed Networks	3	0	0	100
EC1009	Digital Image Processing	3	0	0	100
CS1019	Robotics	3	0	0	100
IT1401	Component Based Technology	3	0	0	100
CS1020	Software Quality Management	3	0	0	100
CS1021	Quantum Computing	3	0	0	100
CS1022	Knowledge Based Decision Support Systems	3	0	0	100
IT1012	Grid Computing	3	0	0	100
GE1301	Professional Ethics and Human Values	3	0	0	100