ANNA UNIVERSITY CHENNAI:: CHENNAI 600 025

CURRICULUM 2004

B.TECH. INFORMATION TECHNOLOGY

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
IT1201	Signals and Systems	3	1	0	100
CS1202	Digital Principles and Systems Design	3	1	0	100
CS1151	Data Structures	3	1	0	100
IT1202	Principles of Communication	3	1	0	100
CS1204	Object Oriented Programming	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					
MA1259	Probability and Statistics	3	1	0	100
CS1353	Software Engineering	3	0	0	100
IT1251	Information Coding Techniques	3	0	0	100
CS1251	Computer Architecture	3	1	0	100
IT1252	Digital Signal Processing	3	1	0	100
CS1304	Microprocessors and Microcontrollers	3	1	0	100
PRACTICAL					
IT1253	Software Engineering Lab	0	0	3	100
IT1254	DSP and Communications Systems Lab	0	0	3	100
CS1306	Microprocessors and Microcontrollers 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					
CY1201	Environmental Science and Engineering	3	0	0	100
CS1402	Object Oriented Analysis and Design	3	1	0	100
CS1252	Operating Systems	3	0	0	100
CS1302	Computer Networks	3	0	0	100
EC1391	Telecommunication Systems	3	0	0	100
CS1301	Database Management Systems	3	1	0	100
GE1352	Communication Skill Laboratory *	0	0	4	100
PRACTICAL					
CS1403	Case Tools Lab	0	0	3	100
CS1254	Operating System Lab (Linux based)	0	0	3	100
CS1307	DBMS Lab	0	0	3	100

* All branches of B.E. & B.Tech. programme offered in V semester except B.E.(CSE), B.E. (ECE) & B.E. (Mech.)

SEMESTER VI

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

Code No.	Course Title	L	T	P	M
THEORY					
MG1351	Principle of Management	3	0	0	100
IT1351	Network Programming and Management	3	0	0	100
IT1352	Cryptography and Network Security	3	1	0	100
CS1253	Visual Programming	3	0	0	100
IT1353	Embedded Systems	3	0	0	100
MA1251	Numerical Methods	3	1	0	100
GE1302	Technical Seminar**	0	0	3	0
PRACTICAL					
CS1255	Visual Programming Lab	0	0	3	100
CS1305	Network Lab	0	0	3	100

** All branches of B.E. & B.Tech. programme offered in VI semester except B.E.(CSE), B.E. (ECE) & B.E. (Mech.)

SEMESTER VII

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

Code No.	Course Title	L	T	P	M
THEORY					
CS1203	System software	3	0	0	100
IT1401	Component Based Technology	3	0	0	100
IT1402	Mobile Computing	3	0	0	100
CS1354	Graphics and Multimedia	3	0	0	100
	Elective I	3	0	0	100
	Elective II	3	0	0	100
PRACTICAL					
IT1403	Software Components Lab	0	0	3	100
CS1355	Graphics and Multimedia Lab	0	0	3	100
CS1207	System software 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					
IT1451	Web Technology	3	1	0	100
	Elective III	3	0	0	100
	Elective IV	3	0	0	100
PRACTICAL					
IT1452	Project Work	0	0	12	200
IT1453	Comprehension**	0	0	2	-

** No Examinations

LIST OF ELECTIVES FOR
B.TECH. INFORMATION TECHNOLOGY

SEMESTER VII

Code No.	Course Title	L	T	P	M
CS1001	Resource Management Techniques	3	0	0	100
IT1001	Distributed Systems	3	0	0	100
CS1004	Data Warehousing and Mining	3	0	0	100
MA1256	Discrete Mathematics	3	1	0	100
CS1303	Theory of Computation	3	1	0	100

GE1001	Intellectual Property Rights	3	0	0	100
GE1002	Indian Constitution and Society	3	0	0	100
IT1002	Information System Design	3	0	0	100
CS1015	User Interface Design	3	0	0	100
EC1009	Digital Image Processing	3	0	0	100
IT1003	Financial Accounting & Management	3	0	0	100
EC1015	Satellite Communication	3	0	0	100
CS1005	Advanced Java Programming	3	0	0	100
CS1012	Natural Language Processing	3	0	0	100
IT1004	Business Process Models	3	0	0	100
MG1401	Total Quality Management	3	0	0	100

SEMESTER VIII

Code No.	Course Title	L	T	P	M
CS1352	Principles of Compiler Design	3	0	0	100
BM1007	Medical Informatics	3	0	0	100
IT1005	Bio Informatics	3	0	0	100
IT1006	Enterprise Resource Planning	3	0	0	100
CS1022	Knowledge Based Decision Support Systems	3	0	0	100
IT1007	Electronics Commerce	3	0	0	100
EC1402	Optical Communication	3	0	0	100
CS1010	C# and .NET Framework	3	0	0	100
CS1014	Information Security	3	0	0	100
IT1008	Software Testing	3	0	0	100
IT1009	Web Services	3	0	0	100
IT1010	Mobile Networks	3	0	0	100
IT1011	Digital Asset Management	3	0	0	100
IT1012	Grid computing	3	0	0	100
GE1301	Professional Ethics and Human Values	3	0	0	100