ANNA UNIVERSITY :: CHENNAI – 600 025

DEGREE OF BACHELOR OF TECHNOLOGY
(8 SEMESTER PROGRAMME)

BRANCH: B.TECH. INFORMATION TECHNOLOGY
CURRICULUM

I SEMESTER
(Applicable for candidates to be admitted in 2003 – 2004)

Code No.	Course Title	L	T	P	M
THEORY					
CM125	Chemistry I	3	0	0	100
GE131	Engineering Mechanics	3	1	0	100
L1	Language Elective I	3	1	0	100
MA131	Mathematics I	3	1	0	100
PH125	Physics I	3	0	0	100
PRACTICAL					
GE132	Computer Practice I	1	0	3	100
GE133	Workshop Practice	0	0	4	100
PH126	Physics Laboratory	0	0	2	100
CM126	Chemistry Laboratory	0	0	2	100

II SEMESTER
(Applicable for candidates to be admitted in 2003 – 2004)

Code No.	Course Title	L	T	P	M
THEORY					
MA039	Probability and Statistics	3	1	0	100
IF141	Electronic Devices and Circuits	3	1	0	100
IF142	Program Design and Development	3	0	0	100
IF143	Introduction to IT	3	0	0	100
IF144	Object Oriented Programming	3	0	0	100
L2	Language Elective II	3	1	0	100
PH136	Semiconductor Physics and Opto Electronics	3	0	0	100
CM132	Chemistry II	3	0	0	100
PRACTICAL					
IF145	C++ and Java Lab	0	0	3	100
IF146	Electronic Devices and Circuits Lab	0	0	3	100

1. **The Syllabi for other courses of I and II semester may be followed as given under Syllabi 1 – 4.**

2. The Revised Syllabi for MA131, MA132 should be followed.

The following curriculum is applicable to all candidates studying 2nd and 3rd year in the academic year 2003- 2004

III SEMESTER

Code No.	Course Title	L	T	P	M
THEORY					
MA231	Mathematics III	3	1	0	100
IF242	Digital System Design	3	1	0	100
IF243	Display Systems Engineering	3	0	0	100
IF244	Principles Of Communication	3	1	0	100
IF245	Computer Architecture	3	0	0	100
IF246	Data Structures and Algorithms	3	0	2	100
PRACTICAL					
IF247	System Programming Lab	2	0	2	100
IF248	Digital System Design Lab	0	0	3	100

IV SEMESTER

Code No.	Course Title	L	T	P	M
THEORY					
IF250	Microprocessor and Micro controller Applications	3	0	2	100
IF251	Telecommunication Switching Techniques	3	0	0	100
IF252	Telecommunication Systems	3	1	0	100
IF253	Operating Systems	3	0	0	100
IF254	Database Management System	3	0	2	100
IF255	Software Engineering	3	1	0	100
PRACTICAL					
IF256	UNIX and RDBMS Lab	0	0	3	100
IF257	Telecommunication Engineering Lab	0	0	3	100

V SEMESTER

Code No.	Course Title	L	T	P	M
THEORY					
IF351	Digital Signal Processing	3	1	0	100
IF352	Computer Networks	3	0	0	100
IF353	Visual Programming	3	0	0	100
IF354	Object Oriented Analysis and Design	3	0	0	100
IF355	Software Quality Management	3	0	0	100

IF356	Information Coding Techniques	3	0	0	100

PRACTICAL

IF357	CASE Tools Lab	0	0	3	100
IF358	Visual Programming Lab	0	0	3	100

VI SEMESTER

Code No.	Course Title	L	T	P	M

THEORY

IF361	TCP/IP and socket Programming	3	0	0	100
IF362	Component Based Technology	3	0	0	100
IF363	Embedded Architecture	3	0	0	100
IF364	Multimedia Systems	3	0	0	100
IF365	Mobile Communication	3	0	0	100
IF366	Web Technology	3	0	2	100

Practical

IF367	Multimedia Lab	0	0	3	100
IF368	Software Components Lab	0	0	3	100

VII SEMESTER

Code No.	Course Title	L	T	P	M

THEORY

MG332	Principles of Marketing and Management	3	0	0	100
IF451	High Performance Networks	3	0	0	100
IF452	Network Design Security and Management	3	1	0	100
E1***	Elective I	3	0	0	100
CE071	Principles of Environmental Science and Engineering	3	0	0	100
GE035	Professional Ethics	3	0	0	100

Practical

IF453	Networking Lab	0	0	3	100
IF454	Software Development Lab	0	0	3	100
IF460	Comprehension	0	0	3	100

VIII SEMESTER

Code No.	Course Title	L	T	P	M

THEORY

E2***	Elective II	3	0	0	100
GE406	Total Quality Management	3	0	0	100

PRACTICAL

Code	Title	L	T	P	M
IF455	Project Work	0	0	12	200

LIST OF ELECTIVE COURSES

VII SEMESTER

Code No.	Course Title	L	T	P	M
IF021	Resource Management Techniques	3	0	0	100
IF022	IT in Indian Languages	3	0	0	100
IF023	ADHOC Networks	3	0	0	100
IF027	Medical Informatics	3	0	0	100
IF028	Web Based Enterprise Application Development	3	0	0	100
IF029	Overview of Domain Knowledge	3	0	0	100
IF030	Software Agents	3	0	0	100
IF031	Bio Informatics	3	0	0	100
IF032	Distributed Computing	3	0	0	100
IF033	Fault Tolerant Systems	3	0	0	100
IF034	Decision Support Systems	3	0	0	100
IF035	Management Information System	3	0	0	100
IF037	Image Processing	3	0	0	100
IF038	Artificial Intelligence	3	0	0	100
IF042	Soft Computing	3	0	0	100
HS053	Communication Skills for Engineers	2	0	2	100
GE037	Intellectual Property Right (IPR)	3	0	0	100

VIII SEMESTER

Code No.	Course Title	L	T	P	M
IF024	Wireless Application Protocol	3	0	0	100
IF025	Blue Tooth Technology	3	0	0	100
IF026	Optical Computing	3	0	0	100
IF036	Natural Language Processing	3	0	0	100
IF039	Enterprise Resource Planning	3	0	0	100
IF040	Data Mining and Warehousing	3	0	0	100
IF041	Parallel Processing	3	0	0	100
IF043	Electronic Commerce	3	0	0	100
IF044	Financial Accounting	3	0	0	100
IF045	Satellite Communication	3	0	0	100
IF046	Optical Communication	3	0	0	100
GE038	Indian Constitution and Society	3	0	0	100