



B.TECH - INFORMATION TECHNOLOGY
(FOUR YEAR FULL TIME)
REGULATIONS 2008

SEMESTER – I

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
XIT101	Technical English	3	1	0	4
XIT102	Mathematics- I	3	1	0	4
XIT103	Applied Physics	3	1	0	4
XIT104	Applied Chemistry	3	1	0	4
XIT105	Fundamentals of Electric and Electronic Circuits	4	0	0	4
XIT106	Digital Computer Fundamentals	4	0	0	4
PRACTICAL					
XIT107	Applied Physics Lab	0	0	3	2
XIT108	Applied Chemistry Lab	0	0	3	2
XIT109	Basic Workshop Practices	0	0	3	2

Total Hours: 33

Total Credits: 30

SEMESTER – II

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
XIT201	Mathematics – II	3	1	0	4
XIT202	Linux Programming	3	0	0	3
XIT203	Computer Programming	4	0	0	4
XIT204	Engineering Graphics	2	0	3	4
XIT205	Digital Systems Design	3	1	0	4
XIT206	Engineering Mechanics	3	1	0	4
PRACTICAL					
XIT207	Computer Programming Lab	0	0	3	2
XIT208	Communication Skills Enhancement	2	0	2	3
XIT209	Electronics Lab	0	0	3	2

Total Hours: 31

Total Credits: 30

SEMESTER III

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
XIT301	Professional Ethics & Human Values (IT)	3	0	0	3
XIT302	Discrete Mathematics	3	1	0	4
XIT303	Microprocessors and Microcontrollers	3	1	0	4
XIT304	Principles of Communication Engineering	3	1	0	4
XIT305	Signals and Systems	3	1	0	4
XIT306	Data Structures	3	1	0	4
PRACTICAL					
XIT307	Microprocessors and Microcontrollers Lab	0	0	3	2
XIT308	Data Structures Lab	0	0	3	2

Total Hours: 29

Total Credits: 27

SEMESTER IV

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
XIT401	Environmental Science and Engineering	3	0	0	3
XIT402	Probability and Statistics	3	1	0	4
XIT403	Information Coding Techniques	3	1	0	4
XIT404	Object Oriented Programming	3	0	0	3
XIT405	Digital Signal Processing	3	1	0	4
XIT406	Computer Architecture	3	1	0	4
PRACTICAL					
XIT407	Object Oriented Programming Lab	0	0	3	2
XIT408	DSP and Communications Systems Lab	0	0	3	2

Total Hours: 28

Total Credits: 26

SEMESTER V

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
XIT501	Total Quality Management	3	0	0	3
XIT502	Numerical Methods	3	1	0	4
XIT503	Operating Systems	3	0	0	3
XIT504	System software and Compiler Design	3	0	0	3
XIT505	Design and Analysis of Algorithm	3	0	0	3
XIT506	Database Management System	3	1	0	4
PRACTICAL					
XIT507	Operating System Lab	0	0	3	2
XIT508	Database Management System Lab	0	0	3	2

Total Hours: 26**Total Credits: 24****SEMESTER VI**

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
XIT601	Object Oriented Analysis and Design	3	1	0	4
XIT602	Computer Networks	3	0	0	3
XIT603	Visual Programming	3	0	0	3
XIT604	Embedded Systems	3	1	0	4
XIT605	Software Engineering	3	0	0	3
XITE**	Elective – I	3	0	0	3
PRACTICAL					
XIT607	Visual Programming Lab	0	0	3	2
XIT608	Network Lab	0	0	3	2

Total Hours: 26**Total Credits: 24**

SEMESTER VII

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
XIT701	Entrepreneurial Development Management	3	0	0	3
XIT702	C # and .NET Framework	3	0	0	3
XIT703	Mobile Computing	3	1	0	4
XIT704	Graphics and Multimedia	3	0	0	3
XITE**	Elective - II	3	0	0	3
XITE**	Elective - III	3	0	0	3
PRACTICAL					
XIT707	C # and .NET Lab	0	0	3	2
XIT708	Graphics and Multimedia Lab	0	0	3	2
XIT709	Mini Project	0	0	3	4

Total Hours: 28**Total Credits: 27****SEMESTER VIII**

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
XIT801	Social Engineering	3	0	0	3
XIT802	Cryptography and Network Security	3	1	0	4
XITE**	Elective – IV	3	0	0	3
XITE**	Elective – V	3	0	0	3
PRACTICAL					
XIT805	Project Work	0	0	12	6

Total Hours: 25**Total Credits: 19**

LIST OF ELECTIVES

CODE NO.	COURSE TITLE	L	T	P	C
XITE51	Network Programming and Management	3	0	0	3
XITE52	Bio - informatics	3	0	0	3
XITE53	Pattern Recognition	3	0	0	3
XITE54	Artificial Intelligence	3	0	0	3
XITE55	Web Technology	3	0	0	3
XITE56	Data Mining And Data warehousing	3	0	0	3
XITE57	Wireless and Sensor Networks	3	0	0	3
XITE58	Web services	3	0	0	3
XITE59	Nano Technology	3	0	0	3
XITE60	Soft Computing	3	0	0	3
XITE61	Free Open Source Software	3	0	0	3
XITE62	Web Engineering	3	0	0	3
XITE63	Distributed computing	3	0	0	3
XITE64	User Interface Design	3	0	0	3
XITE65	Digital Image Processing	3	0	0	3
XITE66	Computer Installation & Trouble shooting	3	0	0	3
XITE67	Component Based Technology	3	0	0	3
XITE68	Information Security	3	0	0	3
XITE69	VLSI Design	3	0	0	3
XITE70	Pervasive Computing	3	0	0	3
XITE71	High Performance Computing	3	0	0	3

TOTAL CREDITS: 207

NOTE:

L → LECTURE HOURS

T → TUTORIAL HOURS

P → PRACTICAL HOURS

C → CREDITS HOURS