

COURSE STRUCTURE

B. Tech. in Information Technology - 4 years Program

Deptt.	Semester/ Elective	Course Code	Course Title	L	T	P	Credits	Total Credit/ Sem
B. Tech. (IT) Semester – I								
IT	1	HS 1102	Organizational Behaviour and Industrial Psychology	3	0	0	3	
IT	1	MA 1101	Mathematics - I	3	1	0	4	
IT	1	CH 1101	Engineering Chemistry	3	0	3	5	
IT	1	CE1101	Engineering Mechanics	3	0	3	5	
IT	1	ME1101	Elements of Mechanical Engineering	3	0	3	5	
IT	1	ME 1102	Workshop	2	0	3	4	
IT	1	GE 1101	EAA I - NSS					26.0
B. Tech. (IT) Semester – II								
IT	2	HS 1201	Communicative English	3	0	0	3	
IT	2	MA 1202	Mathematics - II	3	1	0	4	
IT	2	PH 1201	Physics	3	0	3	5	
IT	2	EE 1201	Basic Electrical Engineering	3	0	3	5	
IT	2	IT 1201	Fundamentals of Information Technology	3	0	3	5	
IT	2	ME 1202	Engineering Graphics	2	0	3	4	
IT	2	GE 1202	EAA- II - NSS					26.0
B. Tech. (IT) Semester – III								
IT	3	CS 1301	Object Oriented Programming	2	0	3	4	
IT	3	EC 1304	Introduction to communication systems	3	0	3	5	
IT	3	EC 1303	Digital Electronics	3	0	3	5	
IT	3	MA 1303	Mathematics - III	3	1	0	4	
IT	3	HS 1303	Industrial Economics and Accountancy	3	0	0	3	
IT	3	EC 1302	Basic Electronics	3	0	3	5	
IT	3	GE 1303	EAA- III - NSS					26.0
B. Tech. (IT) Semester – IV								
IT	4	MA 1405	Discrete Mathematical Structure and Graph Theory	3	1	0	4	
IT	4	CE 1402	Environmental Science	3	0	3	5	
IT	4	EE 1412	Microprocessor and its Applications	3	0	3	5	
IT	4	CS 1409	Database Systems	3	0	3	5	
IT	4	CS 1403	Data Structures I	3	0	3	5	
IT	4	CS 1402	Computer Architecture	3	0	0	3	
IT	4	GE 1404	EAA- IV - NSS					27.0
B. Tech. (IT) Semester – V								
IT	5	CS 1512	Formal Languages and Automata Theory	3	0	0	3	
IT	5	EC 1505	Analog Electronics	3	0	3	5	
IT	5	CS 1517	Compiler Design	3	0	3	5	
IT	5	IT 1505	Web Technology	3	0	3	5	
IT	5	CS 1514	Computer Networks	3	0	0	3	
IT	5	CS 1505	Systems Programming	3	0	3	5	26.0
B. Tech. (IT) Semester – VI								
IT	6	CS 1618	Artificial Intelligence	3	0	3	5	
IT	6	IT 1608	Visual Programming	3	0	3	5	

IT	6	IT 1614	Software Engineering	3	0	0	3	
IT	6	IT 1610	Data Mining and Warehousing	3	0	0	3	
IT	6	IT 1606	Operating System	3	0	3	5	
IT	6	CS 1606	Design and Analysis of Algorithms	3	0	0	3	
IT	6	IT 1681	Minor Project	0	0	3	2	26.0
Deptt.	Semester/ Electives	Course Code	Course Title	L	T	P	Credits	Total Credit/ Sem
B. Tech. (IT) Semester – VII								
IT	7	HS 1704	Personnel Management and Industrial Relation	3	0	0	3	
IT	7	IT 1713	Distributed Computing & its applications	3	0	3	5	
IT	7	IT 1725	Wireless & Mobile Communication	3	0	0	3	
IT	7	IT 1709	Information Security	3	0	0	3	
IT	7	IT 17XX	Elective I	3	0	0	3	
IT	7	IT 17XX	Elective II	3	0	0	3	
IT	7	IT 1782	Project – 1	0	0	6	4	
IT	7	IT 1784	Industrial Training				2	26.0
B. Tech. (IT) Semester – VIII								
IT	8	IT 1823	XML Web Services	3	0	3	5	
IT	8	IT 1824	Multimedia Technology and Application	3	0	0	3	
IT	8	IT 1815	Intrusion Detection	3	0	0	3	
IT	8	IT 18XX	Elective III	3	0	0	3	
IT	8	IT 18XX	Elective IV	3	0	0	3	
IT	8	IT 1883	Project – 2	0	0	9	6	23.0
B. Tech. (IT) Electives								
IT	EI	IT 1X63	Bio – Informatics	3	0	0	3	
IT	EI	EC 1X13	Digital Signal Processing	3	0	0	3	
IT	EI	IT 1X61	Network Security	3	0	0	3	
IT	EI	CS 1x04	Object Oriented Analysis and Design	3	0	0	3	
IT	EI	CS 1X20	Cryptography	3	0	0	3	
IT	EI	IT 1X67	E-Commerce & ERP	3	0	0	3	
IT	EI	CS 1X33	Genetic Algorithms	3	0	0	3	
IT	EI	IT 1X66	Internet and Intranet Engineering	3	0	0	3	
IT	EI	CS 1X11	Principles of Programming Languages	3	0	0	3	
IT	EI	IT 1X71	e-Customer Relationship Management	3	0	0	3	
IT	EI	EC 1X70	Embedded Systems Design	3	1	0	4	
IT	EI	IT 1X70	Image Processing & GIS	3	0	0	3	
IT	EI	CS 1X26	Parallel Computing	3	0	0	3	
IT	EI	IT 1X72	Web Programming	3	0	3	5	
IT	EI	CS 1X22	Distributed Database	3	0	0	3	
IT	EI	IT 1X74	Management Information System	3	0	0	3	
IT	EI	CS 1X31	Pattern Recognition	3	0	0	3	
IT	EI	CS 1X13	Real Time Systems	3	0	0	3	
IT	EI	CS 1X41	Neural Networks and Applications	3	0	0	3	

COURSE STRUCTURE UNDER TRANSITORY REGULATION

***B. Tech. in Information Technology Program for 2005-06 batch:
From 7th to 8th semesters same as of the B. Tech. Regular Semester
Course Structure effective from session 2007-08.***

B. Tech. in Information Technology Program for 2005-06 batch:

Deptt.	Semester/ Elective s	Course Code	Course Title	L	T	P	Credits	Total Credit/ Sem
B. Tech. (IT) Semester – V (2005-06 Batch)								
IT-T5	5	EC 1505	Analog Electronics	3	0	3	5	
IT-T5	5	EE 1512	Microprocessor and its Application	3	0	3	5	
IT-T5	5	CS 1517	Compiler Design	3	0	3	5	
IT-T5	5	IT 1505	Web Technology	3	0	3	5	
IT-T5	5	CS 1514	Computer Networks	3	0	0	3	
IT-T5	5	CS 1505	Systems Programming	3	0	3	5	28.0
B. Tech. (IT) Semester – VI (2005-06 Batch)								
IT-T5	6	CS 1618	Artificial Intelligence	3	0	3	5	
IT-T5	6	IT 1608	Visual Programming	3	0	3	5	
IT-T5	6	IT 1614	Software Engineering	3	0	0	3	
IT-T5	6	IT 1610	Data Mining & Warehousing	3	0	0	3	
IT-T5	6	IT 1606	Operating Systems	3	0	3	5	
IT-T5	6	CS 1606	Design and Analysis of Algorithms	3	0	0	3	
IT-T5	6	CS 1609	Database Systems	3	0	3	5	29.0