

Course Curriculum Scheme for M.Tech(5 yrs)

Code	Subject	Code	Subject
Semester 1		Semester 2	
IT-101A	Mathematics	IT-201	Chemistry and Environment Sciences
IT-106A	Communication Skills	IT-202	Probability and Statistical Methods
IT-103A	Physics	IT-203	Digital Computer Organization
IT-104	C Programming	IT-204	Basic Electronics
IT-105	PC Software	IT-206B	Programming with C++
IT-107C	C programming Lab	IT-207B	C++ Programming Lab
IT-107D	PC Software lab	IT-210C	Basic Electronics Lab
Semester 3		Semester 4	
IT-311	Linear Algebra	IT-401B	IT Act & Cyber Law
IT-301A	French	IT-402A	Numerical Analysis & Design
IT-304	Digital Electronics	IT-403B	Data Base Management System
IT-302B	DS with C++	IT-409	Data & Computer Communication
IT-306	Engineering Drawing	IT-405A	UNIX Operating System
IT-308D	Digital Elex. Lab	IT-407B	Data Base Management System Lab
IT-307B	DS Lab	IT-407D	UNIX Operating System Lab
Semester 5		Semester 6	
IT-501C	Computer Architecture	IT-601A	Computer Network and Security
IT-502A	Microprocessor and Assembly Language	IT-612	System Programming
IT-505B	Programming in Java	IT-610	Advanced Java
IT-511	System Analysis and Design	IT-603A	Web Technology
IT-512	Discrete Structures	IT-605A	Analysis and Design of Algorithms
IT-507C	Programming in Java Lab	IT-609A	Advanced Java Lab
IT-508E	Microprocessor and Assembly Language Lab	IT-608E	Web Technology Lab

Code	Subject	Code	Subject
Semester 7		Semester 8	
IT-711	Advanced Database Management System	IT-801B	Principles of Programming Language
IT-702A	Theory Of Computation	IT-804B	Mobile and Wireless Computing
IT-712	Computer Graphics and Multimedia	IT-803B	Artificial Intelligence
IT-705	Operating System	IT-802A	Software Engineering
IT-709A	Computer Graphics and Multimedia Lab	IT-805A	Cloud Computing
IT-710	Project		Elective –I 1.IT-808: Bio Informatics 2. IT-809: Image Processing 3. IT-810: Simulation and Modelling 4.IT-811A:Information Security 5. IT-812: Real Time System
Semester 9		Semester 10	
IT-901B	Data Mining and Warehousing	IT-1005D	Project
IT-908A	Object Oriented Analysis and Design		Industrial Project\ Dissertation of 12 valid credits
IT-902B	IT Project Management		
IT-903B	Research Methodology		
	Elective –II 1.IT-913A:Optimization Techniques 2.IT-914:Parallel Processing 3.IT-915:Information Extraction 4.IT-916:Design Patterns 5.IT-917:Distributed System		
IT-912	Object Oriented Analysis and Design Lab		
IT-906	Project phase I		