

Model Plan-Semester Wise (M. Tech Programme in CSE)

Semester I

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
CS 501	Mathematical Foundations of Computer Science	DC	3	0	0	3	
CS 502	Algorithms and Complexity	DC	3	0	0	3	
CS 503	Advanced Concepts in Operating Systems	DC	3	0	0	3	
CS 51x	Elective I	DE	3	0	0	3	
CS 51x	Elective II	DE	3	0	0	3	
CS 505	Advanced Programming, Operating System and Database Laboratory	LAB	0	0	6	3	
			15	0	6		
			21			18	

DC: Discipline Core DE: Discipline Elective LAB: Laboratory PW: Project Work SE: Seminar

Semester II

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
CS 504	Theory of Computation	DC	3	0	0	3	
CS 51x	Elective III	DE	3	0	0	3	
CS 51x	Elective IV	DE	3	0	0	3	
CS 5xx	Elective V	DE	3	0	0	3	
CS 508	Minor Project	PW	0	0	4	2	
CS 507	Seminar	SE	0	0	2	1	
CS 506	Network Programming Laboratory	LAB	0	0	6	3	
			12	0	12		
			24			18	

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List of Elective Courses

CS 510	Artificial Intelligence	CS 516	Data Warehousing and Data Mining
CS 511	Mobile Computing	CS 517	Database Engineering
CS 512	Image Processing	CS 518	Information Security
CS 513	Software Defined Networking	CS 519	Cloud Computing
CS 514	Foundations of Automatic Verification	CS 520	Design and Analysis of Parallel Algorithms
CS 515	Distributed Computing		

Plus Any course of appropriate level offered in the Institute and recommended by the concerned DAC

Semester III

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
CS 601	Term Paper	DC	0	0	4	2	
CS 602	Seminar	SE	0	0	4	2	
CS 603	Project I	PW	0	0	16	8	
			0	0	24		
			24			12	

Semester IV

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
CS 604	Project II	PW	0	0	24	12	
			24			12	

DC: Discipline Core,
Seminar

DE: Discipline Elective,

LAB: Laboratory,

PW: Project Work,

SE: