

M. Tech. CSE

## SEMESTER I

Sr. No.	Courses Code	Courses	L-T-P	Credits
1	CS521	Advanced Data Base Management System	3-1-0	C1 4
2	CS523	Advanced Computer Architecture	3-1-0	C2 4
3	CS525	Intelligent System Design	3-1-0	C3 4
4	CS527	Research Techniques in ICT	3-1-0	SEC1 4
5	---	Open Elective-1	3-0-0	OE1 3
6	CS581	Advanced Data Base Management System Lab	0-0-3	C4 2
7	CS585	Intelligent System Design Lab	0-0-3	C5 2
8	GP	General Proficiency	-----	NCC 23
Total Credits				23
Total Contact Hours				14-3-6 = 23

Open Electives-I Electives from other school.

## SEMESTER - II

Sr. No.	Courses Code	Courses	L-T-P	Credits
1		Generic Elective	3-1-0	GE1 4
2	CS532	Advanced Software Engineering	3-0-0	C6 3
3	CS574	Advanced Data Structure and Algorithm Design	3-0-0	C7 3
4	CS576	Advanced Operating Systems	3-0-0	C8 3
5		Elective-1	3-0-0	DSE1 3
6	CS582	Advanced Data Structure & Algorithm Design Lab	0-0-3	C9 2
7	CS592	Major Project	0-0-10	DP1 5
8	GP532	General Proficiency	-----	NCC 0
Total Credits				23
Total Contact Hours				15-1-13 = 31

Electives (E)		
1	CS578	Cloud Computing
2	EC531	Advanced Digital Communication Systems
3	CS586	AI and Neural Networks
4	CS588	Advanced Internet Technology
5	CS590	High Speed Networks
6	CS564	Soft Computing Techniques
7	CS592	Advanced Java Programming
9	CS 596	Wireless Mobile Networks
10	CS 598	Embedded Linux
11	CS552	Any skill based course by NSDC*credits will be decided when the course is run.

## Generic Elective (GE2)

- MA 402 Modeling and Simulation  
MA416 Probability and Stochastic Process

## SEMESTER III

Sr. No.	Courses Code	Courses	L-T-P		Credits
1	CS695	Computer Security	3-0-0	C10	3
2	CS673	Computer Networks and Distributed Systems	3-0-0	C11	3
3		Electives -2	3-0-0	DSE2	3
4	CS655	Industrial Practices in Software Engineering	2-0-0	DSE3	2
5	CS683	Industrial Practices in Software Engineering	0-0-6	DSE4	3
6	CS691	Dissertation Part - I	0-0-14	DP2	7
7	GP631	General Proficiency	-----	NCC	0
Total Credits					21
Total Contact Hours					12-0-17 = 29

Electives (2)					
1	CS641	Aspect-Oriented Software Engineering			
2	CS675	Multimedia and Computer Graphics			
3	CS677	Information Theory and Coding			
4	CS679	Fuzzy Set Theory			
5	CS693	Parallel Computing			
6	EC635	Mobile Computing			
7	CS 680	Analytical Models for computing System			
8	CS 697	Ad-Hoc Networks			
9	CS671	Image Processing and Pattern Recognition			
10	CS685	Computer Networks and Distributed Systems Lab			

## SEMESTER IV

Sr. No.	Courses Code	Courses	L-T-P		Credits
1	CS690	Dissertation Part - II	-----	DP3	23
2	GP632	General Proficiency	-----	NCC	
Total Credits					23

GRAND TOTAL CREDITS = 90