

M. Tech. ICT

Effective from: 2015 -2016

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-I	3-0-0	OE1	2
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	-----	Non Credit	
Total Credits					23
Total Contact Hours			15-4-6	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	CS534	Open Source Software Systems	3-0-0	C7	3
4	CS536	Object-Oriented Software Engineering	3-0-0	C8	3
5		Elective-1	3-0-0	DSE1	3
6	CS586	Object-Oriented Software Engineering Lab	0-0-3	C9	2
7	CS592	Major Project	0-0-10	DP1	5
8	GP	General Proficiency	-----	Non Credit	0
Total Credits					23
Total Contact Hours			15-1-13	31	

Electives (E)		
1	CS542	Software Architecture and Design
3	CS546	Software Re-Engineering
4	CS548	Software Reusability
5	CS550	Web-Based Software Engineering
6	CS552	Any skill based course by NSDC*credits will be decided when the course is run.

Generic Elective (GE2)

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- MA 402 Modeling and Simulation
MA416 Probability and Stochastic Process

SEMESTER III

Sr. No.	Courses Code	Courses	L-T-P	Credits
1	CS631	Software Testing	3-0-0	C10 3
2	CS633	Component-Based Software Engineering	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 lab	0-0-6	DSE4 3
6	CS691	Dissertation Part - I	0-0-14	DP2 7
7	GP	General Proficiency	-----	Non Credit 0
Total Credits				21
Total Contact Hours			12-0-17	29

Electives (2)				
1	CS641	Aspect-Oriented Software Engineering		
2	CS643	Software Reliability		
3	CS645	Software Quality Assurance		
4	CS647	Software Maintenance		
5	CS649	Software Performance		
6	CS 651	Software Measurement and Estimation		
7	CS681	Software Testing Lab		

SEMESTER IV

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

GRAND TOTAL CREDITS = 90