

## M.Tech (Comp. Sc.) Proposed Scheme

Year of admission : 2015 and later

Program Core (PC)		Program Elective (PE)	
Category	Credit	Category	Credit
Basic Science (BS)	00	Departmental Electives (DE)	13-14
Engineering Science (ES)		Humanities & Management (HM)	0
Humanities (HU)	-	Open Courses (OC)	0
Departmental Core (DC)	39		
<b>Total</b>	<b>39</b>	<b>Total</b>	<b>13-14</b>
<b>Grand Total PC+PE</b>			<b>52-53</b>

### Semester - I

Course Code	Course Title	L-T-P	Credits	Cat.
CSL 514	Advances in Algorithms	3-0-0	3	DC
CSL 522	Advances in Compiler Construction	3-0-2	4	DC
CSL 523	Advanced Computer Architecture	3-0-0	3	DC
CSP 502	Software Lab-I	1-0-2	2	DC
CSP 503	Technical Writing & Publishing	1-0-2	2	DC
CSL 517	Pattern Recognition	3-0-2	4	DE
CSL509	Cloud Computing	3-0-2	4	DE
ECL412	Advanced Digital Signal Processing	3-0-2	4	DE
	<b>DC : 14 , DE : 4 (1 of 3)</b>		<b>18</b>	

### Semester – II

Course Code	Course Title	LTP	Credits	Cat
CSL 519	Distributed Systems	3-0-2	4	DC
CSL 520	Advanced DBMS	3-0-2	4	DC
CSL 528	Cryptography & Information Security	3-0-0	3	DC
CSP 504	Software Lab II	1-0-2	2	DC
CSL516	Soft Computing Techniques	3-0-0	3	DE
CSL521	Software Architecture	3-0-0	3	DE
CSL511	Advances in Data Mining	3-0-0	3	DE
	<b>DC : 13 , DE : 3 (1 of 3)</b>		<b>16</b>	

**Semester – III**

<b>Course Code</b>	<b>Course Title</b>	<b>L-T-P</b>	<b>Credits</b>	<b>Cat</b>
CSD 501	Project Phase I		3	DC
CSL 524	Real Time Systems	3-0-0	3	DE
CSL 539	Formal Methods in Program Design	3-0-0	3	DE
CSL 443	Information Retrieval	3-0-2	4	DE
CSL530	Topics in Bioinformatics	3-0-0	3	DE
CSL 515	Mobile Communication Systems	3-0-0	3	DE
	<b>DC :3 , DE:6-7 (2 of 5)</b>		<b>9-10</b>	

**Semester – IV**

<b>Course Code</b>	<b>Course Title</b>	<b>LTP</b>	<b>Credits</b>	<b>Cat.</b>
CSD 502	Project Phase II		9	DC
	<b>DC : 09, DE : 0</b>		<b>9</b>	

III Semester				IV Semester			
Code	Course	L-T-P	Cr	Code	Course	L-T-P	Cr
<b>Core</b>				<b>Core</b>			
CSD 501	Project Phase I		3	CSD 502	Project Phase II		9
<b>Elective (Any Two )</b>				<b>Elective</b>			
CSL 524	Real Time Systems	3-0-0	3				
CSL 539	Formal Methods in Program Design	3-0-0	3				
CSL 443	Information Retrieval	3-0-2	4				
CSL530	Topics in Bioinformatics	3-0-0	3				
CSL 515	Mobile Communication Systems	3-0-0	3				
<b>Total No. of Credits</b>			<b>9-10</b>	<b>Total No. of Credits</b>			<b>9</b>