

**of M .Tech (Software Engineering) (Full Time)**

**Semester I**

S.N.	Course No	Title	L	T	P	IA	Exam	Total	Credits
1	1MSE1	Software Engineering Design Methodology	3	1		25	100	125	5
2	1MSE2	Software Architecture	3	1		25	100	125	5
3	1MSE3	Optimizing Compilers	3	1		25	100	125	5
Elective-I									
4	1MSE4.1	Advanced Data Structures	3	1		25	100	125	5
	1MSE4.2	High Level System Design And Modeling							
	1MSE4.3	Client Server Based IT Solutions							
Sessionals									
5	1MSE5	Software Design and Modeling Lab			3	60	40	100	2
		<b>Total</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>160</b>	<b>440</b>	<b>600</b>	<b>22</b>

**Semester II**

1	2MSE1	Security Analysis of Softwares	3	1		25	100	125	5
2	2MSE2	Software Verification, Validation and Testing	3	1		25	100	125	5
3	2MSE3	Software Quality Management	3	1		25	100	125	5
Elective-I									
4	2MSE4.1	Advanced Data Base Systems	3	1		25	100	125	5
	2MSE4.2	Distributed Operating Systems							
	2MSE4.3	Embedded Software and Systems							
Sessionals									
5	2MSE5	Software Testing Lab			3	60	40	100	2
		<b>Total</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>160</b>	<b>440</b>	<b>600</b>	<b>22</b>

**Semester III**

1	3MSE2	Unified Software Configuration	3	1		25	100	125	5
Elective-I									
2	3MSE2.1	Software Reliability	3	1		25	100	125	5
	3MSE2.2	E-Business							
	3MSE2.3	Software Reuse							
Sessionals									
3	3MSE3.1	Dissertation Part-I			3	100		100	6
4	3MSE3.2	Seminar			3	150			4
		<b>Total</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>20</b>

**Semester IV**

1	4MSE1	Dissertation Part-II			9	0	500	500	24
		<b>Total</b>			<b>9</b>	<b>0</b>	<b>500</b>	<b>500</b>	<b>24</b>
<b>Grand Total</b>			<b>30</b>	<b>10</b>	<b>21</b>	<b>620</b>	<b>1580</b>	<b>2200</b>	<b>88</b>