

**SCHEME OF EXAMINATION 2022 - 23**  
**M.Tech. COMPUTER ENGINEERING**

**SEMESTER - I**

S. No.	Subject Code	Subject	Hours per Week			No. of Credits			Maximum Marks				
			L	T	P	Th.	Pr.	Total	Th.	CW	SW	Pr.	Total
1.	CO 71016	Programming Systems	3	-	-	3	-	3	70	30	-	-	100
2.	CO 71017	Modern Computer Networks	3	-	-	3	-	3	70	30	-	-	100
3.	CO 71018	Advances in Operating Systems	3	-	-	3	-	3	70	30	-	-	100
4.		Elective-I	3	-	-	3	-	3	70	30	-	-	100
5.		Elective – II	3	-	-	3	-	3	70	30	-	-	100
6.	CO 71455	Laboratory-I	-	-	4	-	2	2	-	-	40	60	100
7.	CO 71456	Laboratory-II	-	-	4	-	2	2	-	-	40	60	100
8.	CO 71499	Comprehensive Viva	-	-	-	-	-	-	-	-	-	Grade	Grade
<b>Total</b>			<b>15</b>	<b>-</b>	<b>8</b>	<b>15</b>	<b>4</b>	<b>19</b>	<b>350</b>	<b>150</b>	<b>80</b>	<b>120</b>	<b>700</b>

**SEMESTER - II**

S. No.	Subject Code	Subject	Hours per Week			No. of Credits			Maximum Marks				
			L	T	P	Th.	Pr.	Total	Th.	CW	SW	Pr.	Total
1.	CO 71511	Database Engineering	3	-	-	3	-	3	70	30	-	-	100
2.	CO 71512	Algorithmics	3	-	-	3	-	3	70	30	-	-	100
3.	CO 71513	Agile Software Development	3	-	-	3	-	3	70	30	-	-	100
4.		Elective – III	3	-	-	3	-	3	70	30	-	-	100
5.		Elective –IV	3	-	-	3	-	3	70	30	-	-	100
6.	CO 71882	Seminar	-	-	2	-	1	1	-	-	100	-	100
7.	CO 71856	Laboratory-III	-	-	2	-	1	1	-	-	40	60	100
8.	CO 71857	Laboratory-IV	-	-	4	-	2	2	-	-	40	60	100
9.	CO 71899	Comprehensive Viva	-	-	-	-	-	-	-	-	-	Grade	Grade
<b>Total</b>			<b>15</b>	<b>-</b>	<b>8</b>	<b>15</b>	<b>4</b>	<b>19</b>	<b>350</b>	<b>150</b>	<b>180</b>	<b>120</b>	<b>800</b>

**SEMESTER – III**

S. No.	Subject Code	Subject	Hours per Week			No. of Credits			Maximum Marks				
			L	T	P	Th.	Pr.	Total	Th.	CW	SW	Pr.	Total
1.	CO 71931	Industrial Training /Term Paper	-	-	8	-	4	4	-	-	100	-	100
2.	CO 71932	Dissertation Phase-I	-	-	20	-	10	10	-	-	40	60	100
3.	MA 71902	Research Methodology & IPR	2	-	-	2	-	2	70	30	-	-	100
<b>Total</b>			<b>2</b>	<b>-</b>	<b>28</b>	<b>2</b>	<b>14</b>	<b>16</b>	<b>70</b>	<b>30</b>	<b>140</b>	<b>60</b>	<b>300</b>

**SEMESTER – IV**

S. No.	Subject Code	Subject	No. of Periods			No. of Credits			Maximum Marks				
			L	T	P	Th.	Pr.	Total	Th.	CW	SW	Pr.	Total
1.	CO 71952	Dissertation Phase-II	-	-	32	-	16	16	-	-	80	120	200
<b>Total</b>			<b>-</b>	<b>-</b>	<b>32</b>	<b>-</b>	<b>16</b>	<b>16</b>	<b>-</b>	<b>-</b>	<b>80</b>	<b>120</b>	<b>200</b>

**LIST OF ELECTIVES**

<b>Elective-I</b>			<b>Elective-II</b>		
1.	CO 71221	Machine Learning	1.	CO 71311	Computational Intelligence
2.	CO 71222	Information Security	2.	CO 71312	Cloud Computing
3.	CO 71223	Web based Apps Development	3.	CO 71313	Object Oriented Software Engineering
4.	CO 71224	Augmented Reality and Virtual Reality	4.	CO 71314	Robotics
5.	CO 71225	Multimedia System	5.	CO 71315	Game Design
<b>Elective-III</b>			<b>Elective-IV</b>		
1.	CO 71720	Deep and Reinforcement Learning	1.	CO 71764	Data Science & Analytics
2.	CO 71721	Machine Learning for Security	2.	CO 71765	Cyber Security and Forensics
3.	CO 71722	Software Architecture	3.	CO 71766	Big Data
4.	CO 71723	Embedded Systems and Internet of Things	4.	CO 71767	Block Chain
5.	CO 71724	Human Computer Interaction	5.	CO 71768	High Performance Computing