

**Masters of Computer Application Scheme of Curriculum  
W.E.F. :- 2022-2023**

<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDIT</b>
<b>Semester - I</b>					
149901104	Computer Organization and Architecture	3	1	0	4
149901106	Web Design Technologies	3	0	2	4
149901103	Object Oriented programming using Java	3	0	2	4
149901101	Communication Skill and Personality Development	3	0	0	3
149901105	Advanced Data Structure	3	0	2	4
149901102	Relational Database Management System	3	0	2	4
	<b>TOTAL</b>	<b>18</b>	<b>1</b>	<b>8</b>	<b>23</b>
<b>Semester - II</b>					
149901201	Data Warehousing and Mining	3	1	0	4
149901202	Cryptography Network Security	3	0	2	4
149901203	Object Oriented Analysis and Design	3	0	2	4
149901204	Application Development using Python	3	0	2	4
149901205	Software Project - I	0	0	8	4
	<b>Elective - I</b>	3	0	2	4
149901206	Machine Learning Algorithms				
149901208	Vulnerability and Malware Analysis Tools				
	<b>Elective - II</b>	3	0	0	3
149901207	Knowledge Representation with AI				
149901209	Cyber Security Concepts and Practices				
	<b>TOTAL</b>	<b>18</b>	<b>1</b>	<b>16</b>	<b>27</b>

<b>Semester - III</b>					
149901301	Mobile Computing using Android	3	0	2	4
149901302	Data Analysis and Visualization using Python	3	0	2	4
149901303	Software Engineering	3	0	0	3
149901304	Cloud Computing	3	0	2	4
149901305	Software Project -2	0	0	8	4
	<b>Elective - III</b>	3	0	0	3
149901306	Computer Vision and Image Processing				
149901308	Cyber Law and Ethical Hacking				
	<b>Elective - IV</b>	3	0	2	4
149901307	Deep Learning using Tensor Flow				
149901309	Web Application and Security Tool				
	<b>TOTAL</b>	<b>18</b>	<b>0</b>	<b>16</b>	<b>26</b>
<b>Semester - IV</b>					
149901401	Major Project	0	0	24	12
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>