



**Department of Information Technology**

**Masters of Computer Application (MCA)**

Semester I							
Sl. No.	Category	Course Code	Course Name	L	T	P	Credits
<b>Theory + Practical</b>							
1	Core	MCAC101 MCAC191	Programming for problem solving	4	0	4	6
2	Core	MCAC102 MCAC192	Computer Networks	4	0	4	6
3	Core	MCAC103	Discrete Structures	5	1	0	6
3	Skill-1	MCAS101	Soft Skills	2	0	0	2
4	Elective-1 (MOOC)	MCAD101	A. Introduction to Data Science B. Cryptography and Cyber Security C. Introduction to Artificial Intelligence D. Cloud Computing	4 / 5	0/ 1	4/ 0	6
<b>Total Credit</b>							26

Semester II							
Sl. No.	Category	Course Code	Course Name	L	T	P	Credits
<b>Theory + Practical</b>							
1	Core-1	MCAC201 MCAC291	Object Oriented Programming	4	0	4	6
2	Core-2	MCAC202 MCAC292	Operating Systems	4	0	4	6
3	Core-3	MCAC203 MCAC293	Database Management System	4	0	4	6
4	Elective-2 (MOOC)	MCAD201	A. Computer Graphics B. Digital Image processing C. Mobile application development D. Introduction to IoT	4 / 5	0 / 1	4 / 0	6
<b>Practical</b>							
5	Skill-2	MCAS294	Web Design and Development	0	0	4	2
<b>Total Credit</b>							26



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Semester III							
Sl. No.	Category	Course Code	Course Name	L	T	P	Credits
<b>Theory + Practical</b>							
1	Core-4	MCAC301	Analysis of algorithm	4	0	4	6
2	Core-5	MCAC302	Management Information System	5	1	0	6
3	Core-6	MCAC303 MCAC393	Software Engineering	4	0	4	6
4	Elective-3 (MOOC)	MCAD301	A. Machine Learning Basics	4	0	4	6
			B. Pattern Recognition	/	/	/	
			C. Natural Language processing	5	1	0	
			D. Digital Marketing				
			E. Compiler Design				
<b>Practical</b>							
5	Skill-3	MCAS391	Project and Entrepreneurship-I	0	0	4	2
						<b>Total Credit</b>	26

Semester IV							
Sl. No.	Category	Course Code	Course Name	L	T	P	Credits
<b>Theory + Practical</b>							
1	Core-7	MCAC401	Research Methodology and IPR	4	0	4	6
<b>Practical</b>							
2	Skill-4	MCAS481	Grand Viva	0	0	2	2
3	Skill-5	MCAS482	Project and Entrepreneurship-II	0	0	8	4
4	Skill-6	MCAS483	Seminar	0	0	4	2
						<b>Total Credit</b>	14