

Master of Computer Applications (MCA)
Total Credits: 85

FIRST SEMESTER						SECOND SEMESTER					
Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
MAS6105	Discrete Mathematical Structures with Graph Theory	3	1	0	4	CAP6203	Computer Networks & Protocols	3	1	0	4
CAP6101	Web Technologies	3	1	0	4	CAP6204	Object Oriented Programming using JAVA	3	1	0	4
CAP6105	Programming & Problem-Solving using C	3	1	0	4	CAP6205	Operating System	3	1	0	4
CAP6106	Relational Database Management Systems	3	1	0	4	CAP6206	Data Structures and Algorithms	3	1	0	4
CAP6108	Data Visualization	3	1	0	4	CAP62XX	Program Elective-I	3	0	0	3
CAP6130	Web Technology Lab	0	0	2	1	CAP6233	Object Oriented Programming using Java LAB	0	0	2	1
CAP6133	Programming & Problem-Solving using C Lab	0	0	2	1	CAP6234	Data Structures and Algorithms Lab	0	0	2	1
CAP6134	Relational Database Management Systems Lab	0	0	2	1	CAP6235	Pragmatic Learning	0	0	2	1
						CAP6210	Aptitude & Technical Development	1	1	0	2
		15	5	6	23			16	5	6	24
Total Contact Hours (L + T + P)		26				Total Contact Hours (L + T + P)		27			
THIRD SEMESTER						FOURTH SEMESTER					
CAP7104	Unix & Shell Programming	3	1	0	4	CAP7270	Major Project	0	0	0	16
CAP7105	Android Application Development	3	1	0	4						
CAP7106	Software Engineering & Project Management	3	1	0	4						
CAP71XX	Program Elective-II	3	0	0	3						
CAP71XX	Program Elective-III	3	0	0	3						
CAP7131	Minor Project	0	0	4	2						
CAP7132	Unix & Shell Programming Lab	0	0	2	1						
CAP7133	Android Application Development Lab	0	0	2	1						
		15	3	8	22			0	0	0	16
Total Contact Hours (L + T + P)		26				Total Contact Hours (L + T + P)		00			

Program Electives	
II	III
Program Elective – I <ul style="list-style-type: none"> • CAP6245: Cryptography And Network Security • CAP6246: Artificial Intelligence • CAP6247: Internet of Things 	Program Elective – II <ul style="list-style-type: none"> • CAP7152: Data Mining Techniques • CAP7153: Cloud Computing & Infrastructure Services • CAP7154: Advanced Computer Networks Program Elective – III <ul style="list-style-type: none"> • CAP7155: Advances In Machine Learning • CAP7156: Blockchain Technologies • CAP7157: Data Science

