



<b>MASTER OF COMPUTER APPLICATIONS</b>	
<b>FIRST YEAR</b>	
<b>Semester I</b>	
MCA-101	Mathematical Foundation of Computer Science
MCA-102	Accounting and Financial Management
MCA-103	Computer Organization
MCA-104	Computer and C Programming
MCA-105	Computer Based Numerical and Statistical
<b>Techniques</b>	
MCA-106	Combinatorics & Graph Theory
<b>P1 Practicals</b>	
MCA-171	Programming Lab
MCA-172	Organisation Lab
MCA-173	Numerical Techniques Lab
GP-101	General Proficiency
<b>Semester II</b>	
MCA-201	Organizational Structure and Personnel Management
MCA-202	Data and File structure using 'C'
MCA-203	Unix & Shell Programming
MCA-204	Paradigms of Programming
MCA-205	System Analysis and Design
MCA-206	Computer Architecture & Micro-processor
<b>P2 Practicals</b>	
MCA-271	Data Structure Lab
MCA-272	Unix / Linux Lab
MCA-273	Microprocessor Lab
<b>GP-201 General Proficiency</b>	
<b>SECOND YEAR</b>	
<b>Semester III</b>	
MCA-301	Computer Networks
MCA-302	Design & Analysis of Algorithm
MCA-303	Operating System
MCA-304	Data Base Management System
MCA-305	Objected Oriented Systems and C++
MCA-306	Computer Based Optimization Techniques
<b>P3 Practicals</b>	
MCA-371	DBMS Lab
MCA-372	OPPS & C++ Lab
MCA-373	DAA Lab
<b>GP-301 General Proficiency</b>	
<b>Semester IV</b>	
MCA-401	Management Information Systems
MCA-402	Modelling and Simulation
MCA-403	Internet & Java Programming
MCA-404	Elective I
MCA-405	Foundation of e-Commerce
MCA-406	Computer Graphics & Animation
<b>P4 Practicals</b>	
MCA-471	MIS Lab
MCA-472	Java Programming Lab
MCA-473	Computer Graphics Lab
<b>GP-401 General Proficiency</b>	



<b>Semester V</b>	
MCA-501	Web Technology
MCA-502	Elective II
MCA-503	.Net Frame work & C#
MCA-504	Software Engineering
MCA-505	Elective III
<b>P5 Practicals</b>	
MCA-571	Web Technololgy Lab
MCA-572	.Net frame work & C# Lab
MCA-573	Software Engineering Lab
MCA-574	Colloquium
<b>GP-501 General Proficiency</b>	
<b>Semester VI</b>	
MCA-601	Industrial Project

<b>ADVANCED ELECTIVES</b>	
<b>Elective I</b>	
MCA 404-1	Compiler Design
MCA 404-2	Cryptography & Network Security
MCA 404-3	Data Compression
MCA 404-4	Client Server Computing
MCA 404-5	Data Mining & Warehousing
<b>Elective II</b>	
MCA 502-1	Multimedia System
MCA 502-2	Distributed Database System
MCA 502-3	ERP Systems
MCA 502-4	Object Databases
MCA 502-5	Advanced Concepts in Database System
<b>Elective III</b>	
MCA 505-1	Advanced Computer Networks
MCA 505-2	Real Time Systems
MCA 505-3	Principles of User Interface Design
MCA 505-4	Mobile Computing
MCA 505-5	Neural Networks