

Program Structure
MCA, MCA(LE) Program
AY 2018-19

		Sem I			Sem II			
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U
YEAR-I	1	MCAC111T	Programming and Problem solving with C and C++	3 0 3	1	MCAC121T	Object Oriented Programming using Java	3 0 3
	2	MCAC111P	Programming and Problem solving with C and C++ Practical	0 3 2	2	MCAC121P	Object Oriented Programming using Java Practical	0 3 2
	3	MCAC112T	Computer Organization and Architecture	3 0 3	3	MCAC122T	Data Structure using C++	3 0 3
	4	MATH 402	Discrete Mathematics	3 0 3	4	MCAC123T	Data Communication and Computer Network	3 0 3
	5	MCAC113T	Digital Electronics and Microprocessor	3 0 3	5	MCAC124T	Object Oriented Analysis and Design using UML	3 0 3
	6	MCAC114T	Information and Communication Technology	3 0 3	6	MCAC124P	Object Oriented Analysis and Design using UML Practical	3 0 3
	7	MCAAFM113	Financial Accounting	3 0 3	7	MCAAFM108	Financial Management I	3 0 3
	8	MCAPM111	Principle of Management	3 0 3	8	MCAC125T	Emerging Technology	3 0 3
			TOTAL UNITS	23 Units	9	SSP121	Soft Skills I	3 0 3
							TOTAL UNITS	25 Units
		Sem I			Sem II			
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U
YEAR-II	1	MCAC211T	Design and Analysis of Algorithm	3 0 3	1	MCAC221T	Software Engineering	3 0 3
	2	MCAC212T	Database Management System	3 0 3	2	MCAC222T	Theory Computation	3 0 3
	3	MCAC212P	Database Management System Practical	0 3 2	3	MCAC223T	Artificial Intelligence	3 0 3
	4	MCAC213T	Web Technologies	3 0 3	4	MCAC224T	Computer System and Network Security	3 0 3
	5	MCAC213P	Web Technologies Practical	3 0 3	5	MCAC225T	Python Programming	3 0 3


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	6	MCAC214T	Operating System	3 0 3	6	MCAC225P	Python Programming Practical	0 3 2
	7	MCAC214P	Operating System Practical	3 0 3	7		Elective I	3 0 3
	8	MCAFM205	Financial Management II	3 0 3	8		Elective II	
	9	SSP232	Soft Skills II				TOTAL UNITS	17+Elective
			TOTAL UNITS	25 Units				
	Sem I				Sem II			
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U
YEAR- III	1	MCAC311T	Business Analytics and Big Data	3 0 3	1	MCAC304T	Internship III	
	2	MCAC312T	Computer Graphics and Multimedia	3 0 3	2			
	3	MCAC312P	Computer Graphics and Multimedia Practical	0 3 2	3			
	4	MCAC313T	Android Programming	3 0 3	4			
	5	MCAC313P	Android Programming Practical	0 3 2	5			
	6	MCAC314T	Internet of Things	3 0 3				
	7		Elective V					
	8		Elective VI					
			TOTAL UNITS	16+Elective			TOTAL UNITS	25 Units
List of Electives for 2 nd Year					List of Electives for 3 rd Year			
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U
	1	MCAE211T	Unix and Shell Programming	3 0 3	1	MCAE311T	Unix and Linux System Administration	3 0 3
	2	MCAE212T	Advance Operating System	3 0 3	2	MCAE311P	Unix and Linux System Administration Practical	0 3 2
	3	MCAE212P	Advance Operating System Practical	0 3 2	3	MCAE312T	Advance Topics in Computer Network	3 0 3
	4	MCAE213T	Database Security and Administration	3 0 3	4	MCAE313T	Compiler Design	3 0 3
	5	MCAE214T	Program Paradigm	3 0 3	5	MCAE314T	Investment Banking and Financial Services	3 0 3
	6	MCAE215T	Data Ware Housing and Data Mining	3 0 3	6	MCAE314T	Embedded System	3 0 3
	7	MCAE215P	Data Ware Housing and Data Mining Practical	0 3 2	7	MCAE315T	Computer Simulation and Modeling	3 0 3


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8	MCAE216T	Advance Multimedia system	3 0 3	8	MCAE316T	Neural Network Computing	3 0 3
9	MCAE217T	IT in Banking and Insurance	3 0 3	9	MCAE317T	Image Processing	3 0 3
10	MCAE218T	Management Accounting	3 0 3	10	MCAE318T	Mobile Computing	3 0 3
11	MCAE219T	Enterprise Solution	3 0 3	11	MCAE319T	Software Project Management	3 0 3
				12	MCAE320T	Spatial Database	3 0 3
				13	MCAE321T	Bio Informatics	3 0 3
				14	MCAE322T	Financial Markets	3 0 3
				15	MCAE323T	Software Design Pattern	3 0 3
				16	MCAE324T	Parallel and Distributed Database System	3 0 3
				17	MCAE324T	Advanced Software Testing and Quality Management	3 0 3


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