

COURSE STRUCTURE FOR MCA

FIRST SEMESTER

A. THEORY							
SL. NO.	CODE	THEORY	CONTACTS (PERIODS/WEEK)				CREDITS
			L	T	P	TOTAL	
1	MCA101	Computer Organisation & Architecture	3	1	-	4	4
2	MCA102	Business Systems and Applications	3	1	-	4	4
3	MCA103	Computer Programming with C	3	1	-	4	4
4	MM101	Discrete Mathematical Structure	3	1	-	4	4
5	HU101	Business English and Communication	3	1	-	4	4
Total of Theory						20	20
B. PRACTICAL							
6	MCA191	Micro Programming & Architecture Lab	-	-	4	4	3
7	MCA193	Programming lab (C)	-	-	4	4	3
8	HU191	Business presentation and language lab	-	-	4	4	3
Total of Practical						12	9
Total of Semester				32			29

COURSE STRUCTURE FOR MCA

SECOND SEMESTER

A. THEORY							
SL. NO.	CODE	THEORY	CONTACTS (PERIODS/WEEK)				CREDITS
			L	T	P	TOTAL	
1	MCA201	Data Communication & Computer Networks	3	1	-	4	4
2	MCA202	Information Systems Analysis & Design	3	1	-	4	4
3	MCA203	Data Structures with C	3	1	-	4	4
4	MCA204	Data Base Management System I	3	1	-	4	4
5	MCA205	Object-Oriented Programming With C++	3	1	-	4	4
Total of Theory						20	20
B. PRACTICAL							
6	MCA293	Data structure lab	-	-	4	4	3
7	MCA294	Database lab	-	-	4	4	3
8	MCA295	Object-Oriented Programming lab (C++)	-	-	4	4	3
Total of Practical						12	9
Total of Semester						32	29

COURSE STRUCTURE FOR MCA

Third Semester

A. THEORY							
SL. NO.	CODE	THEORY	CONTACTS (PERIODS/WEEK)				CREDITS
			L	T	P	TOTAL	
1	MCA301	Operating Systems and Systems Software	3	1	-	4	4
2	MCA302	Unix and Shell Programming	3	1	-	4	4
3	MCA303	Intelligent Systems	3	1	-	4	4
4	MM301	Statistics and Numerical Techniques	3	1	-	4	4
5	MBA301	Business Management	2	-	-	2	2
6	MBA302	Management Accounting	2	-	-	2	2
Total of Theory						20	20
B. PRACTICAL							
7	MCA392	Unix lab	-	-	4	4	3
8	MM 391	Statistics and Numerical Analysis lab	-	-	4	4	3
9	MBA392	Accounting Systems lab	-	-	4	4	3
Total of Practical						12	9
Total of Semester				32			29

COURSE STRUCTURE FOR MCA

Fourth Semester

A. THEORY							
SL. NO.	CODE	THEORY	CONTACTS (PERIODS/WEEK)				CREDITS
			L	T	P	TOTAL	
1	MCA401	Software Engineering & TQM	3	1	-	4	4
2	MCA402	Graphics & Multimedia	3	1	-	4	4
3	MCA403	Data Base Management System II	3	1	-	4	4
4	MM401	Operation Research & Optimisation Techniques	3	1	-	4	4
5	HU401	Environment and Ecology	3	-	-	3	3
Total of Theory						19	19
B. PRACTICAL							
6	MCA491	Software Project Management lab	-	-	4	4	3
7	MCA492	Graphics & Multimedia Lab	-	-	4	4	3
8	MCA493	Advanced Database lab	-	-	4	4	3
Total of Practical						12	9
Total of Semester				31			28

COURSE STRUCTURE FOR MCA

Fifth Semester

A. THEORY							
SL. NO.	CODE	THEORY	CONTACTS (PERIODS/WEEK)				CREDITS
			L	T	P	TOTAL	
1	MCA E501/A/B/C	Elective 1	3	1	-	4	4
2	MCA E502/A/B	Elective 2	3	1	-	4	4
3	MCA E503/A/B	Elective 3	3	1	-	4	4
4	MCA E504/A/B	Elective 4	3	1	-	4	4
5	HU501	Values and Ethics of Profession	3	-	-	3	3
Total of Theory						19	19
B. PRACTICAL							
6	MCA E592/A/B	Elective 2 Lab	-	-	4	4	3
7	MCA591	Minor project and seminar	-	-	12	12	9
Total of Practical						16	12
Total of Semester				35			31

COURSE STRUCTURE FOR MCA

Sixth Semester

A. THEORY							
SL. NO.	CODE	THEORY	CONTACTS (PERIODS/WEEK)				CREDITS
			L	T	P	TOTAL	
			0	0	-	0	0
Total of Theory						0	0
B. PRACTICAL							
1	MCA691	Major project and seminar	-	-	36	36	29
Total of Practical						36	29
Total of Semester					36		29

Electives for Semesters 5

Elective No	Course Code	Topic
2	MCA E502A	System Administration and Linux
	MCA E502B	Windows Programming With VB
3	MCA E503A	Advanced Unix programming
	MCA E503B	Object Oriented Programming With Java
4	MCA E504A	Compiler Design
	MCA E504B	E-Commerce
1	MCA E501A	Distributed database management
	MCA E501B	Image Processing
	MCA E501C	Parallel Programming

Summary

Semester No	Contact hr/wk	Credit
1	32	29
2	32	29
3	32	29
4	31	28
5	35	31
6	36	29
Total		175

Semester duration: 15 weeks