

School Name: School of Computing Science and Engineering

Program Name: MCA

Scheme: 2019-2022

Semester I									
Sl. No.	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
S No.	Course Code	Course Name	L	T	P	C	20	50	100
1	MCAS1160	Discrete Mathematics	3	0	0	3	20	50	100
2	MCAS1120	Digital Computer Fundamentals	3	1	0	4	20	50	100
3	MCAS1150	Object Oriented Paradigm	3	0	0	3	20	50	100
4	MCAS1170	Problem Solving Techniques	3	0	0	3	20	50	100
5	MCAS1180	Web Applications Development	3	0	0	3	20	50	100
6	SLMC5011	English Proficiency and Aptitude Building - 1	0	0	4	2			
7	MCAS1151	Object Oriented Paradigm Lab	0	0	2	1	50		50
8	MCAS1171	Problem Solving Techniques Lab	0	0	2	1	50		50
9	MCAS1181	Web Applications Development Lab	0	0	2	1	50		50
									21
Semester II									
Sl. No.	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MCAS1251	Numerical Analysis and Optimization Techniques	3	0	0	3	20	50	100
2	MCAS1252	Computer Architecture	3	0	0	3	20	50	100
3	MCAS1253	Database Management System	3	0	0	3	20	50	100
4	MCAS1254	Ecommerce and IT infrastructure	3	0	0	3	20	50	100
5	MCAS1255	Data and File Structure using C	3	0	0	3	20	50	100
6	MCAS1256	Introduction to IOT	3	0	0	3			
7	MCA9001	Programming in Python	0	0	4	2	50		50
8	MCAS1235	Database Management System Lab	0	0	2	1	50		50

9	MCAS1236	Data and File Structure using C Lab	0	0	2	1	50		50
10	SLMC5012	English Proficiency and Aptitude Building - II	0	0	4	2			
		Total Credits							24
Semester III									
Sl No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	SLMC6021	English Proficiency and Aptitude Building - 3	0	0	4	2	50		50
2	MCAS2120	Operating System	3	0	0	3	20	50	100
3	MCAS2130	Programming in Java	3	0	0	3	20	50	100
4	MCAS2140	Algorithm Analysis & Design	3	0	0	3	20	50	100
5	MCAS2150	Software Engineering	3	0	0	3	20	50	100
6	MCAS2160	Computer Networks	3	0	0	3	20	50	100
8	MCAS2161	Computer Network Lab	0	0	2	1	70		30
9	MCAS2151	Software Engineering Lab	0	0	2	1	70		30
10	MCAS2131	Programming in Java Lab	0	0	2	1	70		30
11	MCAS2121	Operating System Lab	0	0	2	1	70		30
		Total Credits							21
Semester IV									
Sl No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MCAS2210	Cryptography and Network Security	3	0	0	3	20	50	100
2	MCAS2220	Data Warehousing & Data Mining	3	0	0	3	20	50	100
3	MCAS2230	Compiler Design	3	0	0	3	20	50	100
4	MCAS2240	Open Source Programming with Python	3	0	0	3	20	50	100
5	MCAS2250	Web services & Cloud Computing	3	0	0	3	20	50	100
6		Elective I	3	0	0	3	20	50	100
8	SLMC5013	Personality Development and Aptitude Building -3	0	0	4	2			
9	MCAS2251	Web services & Cloud Computing Lab	0	0	2	1	70		30

