

**School Name: School of Computing Science and Engineering**

**Program Name: MCA**

**Scheme: 2017-2020**

<b>SEMESTER : I</b>						
<b>S.NO.</b>	<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MCAP5001	Mathematical Foundation for Computer Science	3	1	0	4
2	MCAP5003	Programming in C	3	0	0	3
3	MCAP5004	Digital Computer Fundamentals	3	1	0	4
4	MCAP5005	Web Designing	3	0	0	3
5	MCAP5002	Introduction to Information Technology	3	0	0	3
6	MCAP5007	Programming in C Lab	0	0	2	1
7	MCAP5006	Web Designing Lab	0	0	2	1
8	SLMC5001	Communicative English	0	0	4	2
						<b>Credit21</b>

<b>SEMESTER-II</b>						
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title-</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MCAP5009	Statistical Methods and Numerical Techniques	3	1	0	4
2	MCAP5010	Microprocessors	3	0	0	3
3	MCAP5017	Accounting & Financial Management	3	1	0	4
4	MCAP5011	Object Oriented Paradigm	3	0	0	3
5	MCAP5012	Data and File Structure	3	0	0	3
6	MCAP5014	Data and File Structure Lab	0	0	2	1
7	MCAP5016	Microprocessors Lab	0	0	2	1
8	LLL524	Corporate Communication	0	0	4	2
9	MCAP5013	Object Oriented Paradigm Lab	0	0	2	1
						<b>Credit 22</b>

<b>SEMESTER-III</b>						
<b>S. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MCAP5026	Algorithm Analysis & Design	3	1	0	4
2	MCAP5018	Computer Architecture	3	1	0	4
3	MCAP5019	Programming in Java	3	0	0	3
4	MCAP5020	Database Management Systems	3	0	0	3
5	MCAP5021	Software Engineering	3	0	0	3
6	MCAP5022	Theory of Computation	3	1	0	4
7	SLMC6001	Numerical Aptitude	0	0	4	2
8	MCAP5023	DBMS Lab	0	0	2	1
9	MCAP5024	Software Engineering Lab	0	0	2	1

10	MCAP5025	Programming in Java Lab	0	0	2	1
						<b>Credit 26</b>

<b>SEMESTER-IV</b>						
S. No.	Course Code	Course Title	L	T	P	C
1	MCAP5034	Computer Network	3	0	0	3
2	MCAP5041	Advanced Operating System	3	0	0	3
3	MCAP5028	Computer Graphics	3	0	0	3
4	SLMC6022	Campus to Corporate	0	0	4	2
5		Elective-I	3	0	0	3
6	MCAP5029	Cloud Computing	3	0	0	3
7	MCAP5030	Computer Graphics Lab	0	0	2	1
8	MCAP5032	Operating System Lab	0	0	2	1
9	MCAP5033	Computer Network Lab	0	0	2	1
						<b>Credit 20</b>

S. No.	Course Code	ELECTIVE-I (IV Sem)	L	T	P	C
1	MCAP5040	Open Source Programming	3	0	0	3
2	MCAP5050	IOT	3	0	0	3
3	MCAS9130	Network Security	3	0	0	3

<b>SEMESTER-V</b>						
S. No.	Course Code	Course Title	L	T	P	C
1	MCAP5045	Big Data	3	0	0	3
2	MCAP5046	Data Warehousing & Data Mining	3	0	0	3
3	MCAP5042	Complier Construction	3	0	0	3
4	MCAP5043	Artificial Intelligence	3	0	0	3
5	MCAP5044	Mobile Application Development	3	0	0	3
6	MCAP9998	Project-I	0	0	0	5
7		Elective-II	3	0	0	3
8	MCAP5048	Mobile Application Development Lab	0	0	2	1
						<b>Credit 24</b>

S. No.	Course Code	ELECTIVE-II (V Sem)	L	T	P	C
1	MCAP5047	Information Retrieval	3	0	0	3
2	MCAP5049	Network Management & System Administration	3	0	0	3

<b>SEMESTER-VI</b>						
S. No.	Course Code	Course Title	L	T	P	C
1	MCAP9999	Project-2	-	-	-	15
						<b>Credit 15</b>