

School Name: School of Computing Science and Engineering

Program Name: M.Sc.(Computer Science)

Scheme: 2019-2021

Semester 1									
Sl. No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MSCS1110	Data Structure using C++	3	0	0	3	20	30	50
2	MSCS1120	Database Management Systems	3	0	0	3	20	30	50
3	MSCS1130	Software Engineering	3	0	0	3	20	30	50
4	MSCS1140	Operating Systems	3	0	0	3	20	30	50
5	MSCS1150	Mathematical Foundations of Computer Science	3	0	0	3	20	30	50
6	MSCS1111	Data Structure using C++ Lab	0	0	2	1	70	-	30
7	MSCS1121	Database Management Systems Lab	0	0	2	1	70	-	30
8	MSCS1131	Software Engineering Lab	0	0	2	1	70	-	30
9	MSCS1141	Operating Systems Lab - Unix & Shell Program	0	0	2	1	70	-	30
10	MSCS1161	Python Programming Fundamentals Lab	0	0	4	2	70	-	30
Semester II									
Sl No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MSCS1210	Computer Architecture	3	0	0	3	20	30	50
2	MSCS1220	OOPs Using Python	3	0	0	3	20	30	50
3	MSCS1230	Design of Analysis and Algorithms	3	0	0	3	20	30	50
4	MSCS1240	JAVA Programming	3	0	0	3	20	30	50
5	MSCS1250	Cloud Infrastructure Services & Virtualization	3	0	0	3	20	30	50
6	MSCS1280	Introduction to Data Science	3	0	0	3	20	30	50

7	MSCS1221	OOPs using Python Lab	0	0	4	2	70	-	30
8	MSCS1241	JAVA Programming Lab	0	0	4	2	70	-	30
9	MSCS1281	Introduction to Data Science Lab using Python	0	0	2	1	70	-	30
10	SLMC5012	English Proficiency and Aptitude Building – 2	0	0	4	2	70	-	30

Semester III

Sl No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MSCS2310	Cyber Security	3	0	0	3	20	30	50
2	MSCS2320	Internet Programming	3	0	0	3	20	30	50
3	MSCS2330	Artificial Intelligence and Machine Learning	3	0	0	3	20	30	50
4	MSCS2340	Computer Networks	3	0	0	3	20	30	50
5		Discipline Specific Elective - I	3	0	0	3	20	30	50
6	MSCS2311	Cyber Security Lab	0	0	2	1	70	-	30
7	MSCS2321	Internet Programming Lab	0	0	2	1	70	-	30
8	MSCS2331	Artificial Intelligence and Machine Learning Lab	0	0	4	2	70	-	30
9	MSCS2351	Quantitative Aptitude II	0	0	2	1	70	-	30
10	MSCS2361	Communication Skills Lab II	0	0	2	1	70	-	30
11	MSCS2371	Comprehension and Technical Seminar	0	0	2	1	70	-	30
12	MSCS2381	Mini Project	0	0	10	5	70	-	30

Semester IV

Sl No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MSCS2410	Major Project	0	0	30	15	70	-	30

List of Electives

Sl No	Course Code	Name of the Electives					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MSCD2310	Opensource Technologies	3	0	0	3	20	30	50
2	MSCD2320	Software Testing	3	0	0	3	20	30	50
3	MSCD2330	Soft Computing	3	0	0	3	20	30	50
4	MSCD2340	Compiler Design	3	0	0	3	20	30	50
5	MSCD2350	Advanced Database Technology	3	0	0	3	20	30	50
6	MSCD2360	Disruptive Technology	3	0	0	3	20	30	50
7	MSCD2370	Internet of Things	3	0	0	3	20	30	50
8	MSCD2380	Big Data Analytics	3	0	0	3	20	30	50
9	MSCD2390	Mobile Application Development	3	0	0	3	20	30	50