



School of Computational Intelligence
Department of Computing & Information Systems
Master of Science(M.Sc)

I Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Maths For Computer Science	3	0	0	3	3
2.		Programing & Problem Solving	2	1	4	7	5
3.		Networking Technologies	2	1	0	3	3
4.		Data Structures & Algorithms	2	1	4	7	5
5.		Operating System	3	0	2	5	4
		TOTAL	12	3	10	25	20

II Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Computer Organization andArchitecture	3	0	0	3	3
2.		Theory of Computation	2	1	0	3	3
3.		Advanced Statistical Techniques forData Science	3	0	0	3	3
4.		DBMS and Data Mining	3	0	4	3	5
5.		Elective I	3	0	0	3	3
6.		FOSS Lab	0	0	4	2	2
		TOTAL	14	1	8	23	19

III Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Web Computing	2	1	0	3	3
2.		Artificial Intelligence and Machine Learning	3	0	4	7	5
3.		Object Oriented Software Engineering	3	0	0	3	3
4.		Elective II	3	0	0	3	3
5.		Elective III	3	0	0	3	3
7.		Project Work Phase-I	0	0	4	4	2
		TOTAL	14	1	8	23	19

IV Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Project Work Phase-II	0	0	20	20	10
		TOTAL	0	0	20	20	10

TOTAL NO. OF CREDITS = 68

LIST OF ELECTIVES

ELECTIVE – I

1. Internet of Things
2. Cyber Security
3. Cloud and Edge Computing
4. Mobile Computing
5. Cryptography and Blockchain
6. Computer Graphics

ELECTIVE – II

1. Big Data Analytics
2. Computational Intelligence
3. Computer Vision and Pattern Recognition
4. Soft Computing Techniques
5. Defensive and Secure Software
6. Software Verification and Validation

ELECTIVE – III

1. GPGPU Programming
2. Design Patterns
3. Compiler Design
4. Mobile Application Development
5. Augmented Reality and Virtual Reality
6. Fault Tolerance Systems and Techniques