



Master of Technology (M. Tech) in Computer Science & Engineering (CSE)

Course Structure

Semester - I

Sl. No	Type of Course	Course Title	L	T	P	Contact Hrs./Wk.
1	Theory	Foundation of Computing Science	3	1	0	4
2	Theory	Advanced Algorithms	3	1	0	4
4	Theory	Elective I	3	0	0	3
5	Theory	Elective II	3	0	0	3
6	Seminar	Seminar I	0	2	0	2
7	Practical	Computing Lab - I	0	0	3	3

Semester - II

Sl. No	Type of Course	Course Title	L	T	P	Contact Hrs./Wk.
1	Theory	Parallel & Distributed Computing	3	1	0	4
2	Theory	Elective III	3	0	0	3
3	Theory	Elective IV	3	0	0	3
4	Theory	Elective V	3	0	0	3
5	Theory	Elective VI	3	0	0	3
6	Seminar	Seminar II	0	2	0	2
7	Practical	Computing Lab – II	0	0	3	3

Semester – III

Sl. No	Type of Course	Course Title	L	T	P	Contact Hrs./Wk.
1	Theory	Elective VII	3	0	0	3
2	Seminar	Technical Report Writing & Seminar – I	0	0	6	6
3	Project	Thesis (Part – I)	0	0	24	24

Semester - IV

Sl. No	Type of Course	Course Title	L	T	P	Contact Hrs./Wk.
1	Seminar	Technical Report Writing & Seminar - II	0	0	6	6
2	Project	Thesis (Part – II)	0	0	27	27
3	Viva	Comprehensive Viva				

List of Elective Papers:

Elective – I:

ECS61105	Pattern Recognition
ECS61107	Artificial Intelligence
ECS61109	Logic Programming
ECS61111	Soft Computing

Elective – II:

ECS61113	Image and Video Processing
ECS61115	Advanced Graph Theory
EEC61127	VLSI Design
EEC61129	Mobile Computing

Elective – III:

ECS61104	Advanced Database System
ECS61106	Cloud Computing

ECS61108 Neural Network and Deep Learning

ECS61110 Advances in Compiler Design

Elective – IV:

ECS61112 Machine Learning

ECS61114 Information Retrieval

ECS61116 Computational Complexity

Elective – V:

ECS61118 Formal Systems

ECS61120 Principles of Programming Languages

ECS61122 High Performance Computer Architecture

Elective – VI:

ECS61124 Natural Language Processing

EEC61128 Internet of Things

MBA61142 E-Commerce

Elective – VII:

ECS62101 Cryptography & Cryptosystems

ECS62103 Information Security

ECS62105 Cyber Security