



School of Engineering & Technology

Department of Computer Science and Engineering

M.Tech. – Computer Science and Engineering

Semester I, II, III & IV

AY 2023-2025

Semester I

Sl. No	Course Type	Course Code	Course Name	Hours per week			Credit	Mark	
				L	T	P		C	CA
Theory									
1.	PCC	MCS23501T	Mathematical and Statistical Foundations	3	0	0	3	40	60
2.	PCC	MCS23502T	Advanced Data Structures & Algorithms	3	0	0	3	40	60
3.	PCC	MCS23503T	Machine Learning	3	1	0	4	40	60
4.	MC	MCS23590T	Research Methodology and IPR	2	0	0	2	40	60
5.	DSE	MCS2352*T	DSE 1	3	1	0	4	40	60
6.	AC	MXX2358*T	Audit Course	2	0	0	0	0	100
Practical									
1.	PCC	MCS23502P	Advanced Data Structures & Algorithms LAB 1	0	0	4	2	20	30
2.	PCC	MCS23503P	Machine Learning Lab	0	0	4	2	20	30
TOTAL				16	1	10	20	240	460

List of DSE 1:

- 1 Introduction to Intelligent Systems MCS23520T
- 2 Software Engineering MCS23521T
- 3 Advanced Web Technology MCS23522T
- 4 Cryptography and cyber security MCS23526T

Any other subject offered from time to time with the approval of the University

List of Audit Course(AC):

- 1 Business Analytics MCS23581T
- 2 Constitution of India MPO23583T
- 3 Disaster Management MSE23581T
- 4 Industrial Safety MSE23582T



Any other subject offered from time to time with the approval of the University

Semester II

Sl. No	Course Type	Course Code	Course Name	Hours per week			Credit	Mark	
				L	T	P		C	CA
Theory									
1.	PCC	MCS23504T	Big Data Analytics	3	1	0	4	40	60
2.	PCC	MCS23505T	Advanced Database Management System	3	0	0	3	40	60
3.	DSE	MCS2352*T	DSE 2	3	0	0	3	40	60
4.	OE	MCS2353*T	OE 1	3	0	0	3	40	60
Practical									
1.	PCC	MCS23505P	Advanced Database Management System Lab	0	0	2	1	50	50
2.	PCC	MCS2352*P	DSE 2 LAB	0	0	4	2	50	50
3.	PCC	MCS23591R	Minor Project	0	0	8	4	50	50
TOTAL				12	1	14	20	250	350

List of DSE 2:

1. Advanced Graph Theory MCS23523T
2. Image processing MCS23524T
3. Natural Language Processing MCS23525T

Any other subject offered from time to time with the approval of the University

List of OE 1:

1. Fundamentals of Data Science MCS23530T
2. Data Communication and Computer Networks MCS23531T
3. Wireless Technologies for WSN & IoT MCS23532T
4. Fundamentals of Bioinformatics MCS23533T

Any other subject offered from time to time with the approval of the University



Semester III

Sl. No	Course Type	Course Code	Course Name	Hours per week			Credit	Mark	
				L	T	P		C	CA
Theory									
1.	PCC	MCS23506T	Deep Learning	3	0	0	3	40	60
2.	PCE	MCS2352*T	DSE 3	3	0	0	3	40	60
Practical									
1.	PCC	MCS23506P	Deep Learning LAB	0	0	4	2	20	30
2.	PCC	MCS23592R	Dissertation Phase-I	0	0	24	12	200	200
TOTAL				6	0	28	20	300	350

List of DSE 3:

1. Cloud Computing MCS23527T
2. Advanced operating system MCS23528T

Any other subject offered from time to time with the approval of the University

Semester IV

Sl. No	Course Type	Course Code	Course Name	Hours per week			Credit	Mark	
				L	T	P	C	CA	FA
Project									
1.	PCC	MCS23593R	Dissertation Phase – II	0	0	36	18	300	300
2.	PCC	MCS23594R	Seminar	0	1	2	2	20	30
TOTAL				0	1	38	20	350	350