

MTech (CSE) Curriculum

Semester I

Code	Subject Name	L	T	P	Marks	Credit
CSEPGPC01	Mathematical Foundations of Computer Science	3	0	0	100	3
CSEPGPC02	Advances in Algorithms	3	0	0	100	3
-	Professional Elective I	3	0	0	100	3
-	Professional Elective II	3	0	0	100	3
UCEPGAU01	AUDIT Course I	4	0	0	100	0
-	AUDIT Course II	2	0	0	100	0
CSEPGPC03	Information Systems Lab I	0	0	4	100	2

Professional Elective I

CSEPGPE01 Advanced Software Engineering
 CSEPGPE02 Wireless Communication and Mobile Computing
 CSEPGPE03 Advanced Image Processing
 CSEPGPE04 Advanced Database System Concepts
 CSEPGPE05 Modeling and Simulation

Professional Elective II

CSEPGPE06 Advanced Machine Learning
 CSEPGPE07 Fault Tolerant Systems
 CSEPGPE08 Cloud Computing
 CSEPGPE09 Wireless Sensor Network
 CSEPGPE10 VLSI System Design

Semester II

Code	Subject Name	L	T	P	Marks	Credit
CSEPGPC04	Data Science	3	0	0	100	3
CSEPGPC05	Information Security and Cryptography	3	0	0	100	3
-	Professional Elective III	3	0	0	100	3
-	Professional Elective IV	3	0	0	100	3
-	Open Elective	3	0	0	100	3
CSEPGPC06	Information Systems Lab II	0	0	4	100	2
CSEPGPR01	Mini Project	0	0	4	100	2

Professional Elective III

CSEPGPE11 Soft Computing
 CSEPGPE12 Parallel Computing Techniques
 CSEPGPE13 Internet of Things
 CSEPGPE14 Advances in Theoretical Computer Science
 CSEPGPE15 Multimedia Technologies

Professional Elective IV

CSEPGPE16 Bioinformatics
 CSEPGPE17 Natural Language Processing
 CSEPGPE18 Data Warehousing and Data Mining
 CSEPGPE19 Information and Coding Theory
 CSEPGPE20 CAD for VLSI

Semester III

Code	Subject Name	L	T	P	Marks	Credit
-	Professional Elective V	3	0	0	100	3
CSEPGPR02	Research Methodology & IPR	2	0	0	100	2
CSEPGPR03	Dissertation I	0	0	20	100	10

Professional Elective V

CSEPGPE21 Deep Learning
 CSEPGPE22 Big Data Analytics

CSEPGPE23 Emerging Computing Techniques

Semester IV

Code	Subject Name	L	T	P	Marks	Credit
CSEPGPR04	Dissertation II	0	0	32	300	16

Audit Course I

UCEPGAU01 Arabic and Islamic Studies

AUDIT Course II

UCEPGMC01 Pedagogy Studies

UCEPGMC02 English for Research Paper Writing

UCEPGMC03 Disaster Management

UCEPGMC04 Sanskrit for Technical Knowledge

UCEPGMC05 Value Education

UCEPGMC06 Constitution of India

UCEPGMC07 Stress Management by Yoga

UCEPGMC08 Personality Development through Life Enlightenment Skills.

Open Elective

ECEPGOE01 Laser Systems and Applications

ECEPGOE02 Cyber Physical Systems

ECEPGOE03 Signal and Image Processing

EENPGOE01 Optimization in Engineering

EENPGOE02 Essentials of Renewable Energy System

EENPGOE03 Industrial Automation & Control

CENPGOE01 Waste to Energy

CENPGOE02 Remote Sensing & GIS

MENPGOE01 Materials Engineering

MENPGOE02 Finite Elements Analysis

MENPGOE03 Non Conventional Energy Sources

Open Elective (for other departments)

CSEPGOE01 Image Processing

CSEPGOE02 Data Analytics

CSEPGOE03 Internet of Things

CSEPGOE04 Operations Research