

3 years MTech (Data Science) (Every Saturday : 6 hrs, no weekdays)

Course Curriculum:

SEMESTER 1 : Total 14 credits

1. Mathematical Foundation For Data Science (4 credits)
2. Database Management System (4 credits)
3. Programming for Data Science (Python) 4 credits
4. DBMS Laboratory (2 credits)

SEMESTER 2 : Total 14 credits

1. Introduction to Big Data Analytics (3 credits)
2. Machine Learning (4 credits)
3. Big Data Lab (2 credits)
4. Machine Learning Lab (2 credits)
5. Term Project (3 credits)

SEMESTER 3 : Total 14 credits

1. Advanced Machine Learning with Python (4 credits)
2. Cloud Computing (4 credits)
3. Elective 1 (3 credits)
4. Elective 2 (3 credits)

SEMESTER 4 : Total 14 credits

1. Experimental IoT (4 credits)
2. Cybersecurity (4 credits)
3. Elective 1 (3 credits)
4. Term Project (3 credits)

SEMESTER 5 : Total 16 credits

Dissertation Project 1

SEMESTER 6 : Total 16 credits

Dissertation Project 2

List of Electives

Optimization Techniques
Financial and Business Data Analytics

Introduction to Speech, Image and Video Processing
Social Media Analytics
Natural Language Processing
Data Warehousing and Data Mining