

PROGRAM CODE: DS7E

PROGRAM TITLE: Master of Technology (M.Tech.) - Executive

Branch: Data Science

- **BATCH: 2022-24**

PROGRAMME STRUCTURE

First Semester:

Code	Title	Credits (L-T-P)
CORE COURSES		
DS7E-701	RDBMS and NOSQL	4 (3-1-0)
DS7E-703	Python for Analytics	4 (3-1-0)
DS7E-705	Advanced Excel	2 (0-0-4)
ELECTIVE COURSES-DISCIPLINE CENTRIC (Any One)		
DS7E-721	Statistical Research Methods	4 (3-1-0)
DS7E-723	Multivariate Analysis	4 (3-1-0)
PROJECT		
DS7E-741	Minor Project-I	6 (0-0-12)

Second Semester:

Code	Title	Credits (L-T-P)
CORE COURSES		
DS7E-702	Data Mining and Data Warehousing	4 (3-1-0)
DS7E-704	Statistical Programming in R	3 (2-0-2)
DS7E-706	Machine Learning	3 (2-0-2)
ELECTIVE COURSES-DISCIPLINE CENTRIC (Any One) through Online or Self Study		
DS7E-722	Cloud Computing	4 (3-1-0)
DS7E-724	Fundamentals of Algorithms	4 (3-1-0)
PROJECT		
DS7E-742	Minor Project-II	6 (0-0-12)

Third Semester:

Code	Title	Credits (L-T-P)
CORE COURSES		
DS7E-801	Operations Research	4 (3-1-0)
DS7E-803	Data Visualization	3 (2-0-2)
DS7E-805	Natural Language Processing	3 (2-0-2)
ELECTIVE COURSES-DISCIPLINE CENTRIC (Any One) through Online or Self Study		
DS7E-821	Linear Algebra and Advanced Calculus	4 (3-1-0)
DS7E-823	Simulation and Modelling	4 (3-1-0)
PROJECT		

SCHOOL OF DATA SCIENCE AND FORECASTING

DS7E-841	Minor Project-III	6 (0-0-12)
----------	-------------------	------------

Fourth Semester:

Code	Title	Credits (L-T-P)
CORE COURSES		
DS7E-802	Big Data Technologies	4 (3-0-2)
DS7E-804	Deep Learning	3 (2-0-2)
DS7E-806	Decision Analysis	3 (2-1-0)
ELECTIVE COURSES-DISCIPLINE CENTRIC (Any One) through Online or Self Study		
DS7E-822	Forecasting Methods	4 (3-1-0)
DS7E-824	Technical Communication	4 (3-1-0)
PROJECT		
DS7E-842	Minor Project-IV	6 (0-0-12)

Note: The above course contents can be modified as per requirement from time to time in accordance with University Ordinance No. 14.