

B.Sc. Data Science
Batch 2025 - 26

Semester	Course Title	Course Type	Credits
I	C Programming	DSC	4
I	C Programming Practical	DSC	2
I	Relational Database Management System	DSC	4
I	Relational Database Management System Practical	DSC	2
I	Matrix Theory and Calculus	DSC	4
I	Data Structures	DSC	
II	Data Structures Practical	DSC	3
II	Basic Statistical Analysis	DSC	1
II	Basic Statistical Analysis Practical	DSC	3
II	Operating System and Networks	DSC	1
II	Introduction to Data Analytics	DSC	3
II	Domain Specific certificate	DSC -CC	2
II	Multidisciplinary Course	MDC	3
II	Skill Enhancement Course	SEC	3
III	Object Oriented Programming with Java	DSC	3
III	Object Oriented Programming with Java Practical	DSC	1
III	Data warehousing and Datamining	DSC	3
III	Data warehousing and Datamining Practical	DSC	1
III	Mathematical Concepts of Data Science	DSC	3
III	Skill Enhancement Course -NPTEL	SEC	3
III	Multidisciplinary Course	MDC	3
III	Value-Added Course (VAC)	VAC	2
IV	Probability and Inferential Statistics	DSC	3
IV	Probability and Inferential Statistics Practical	DSC	1
IV	Python Programming	DSC	3
IV	Python Programming Practical	DSC	1
IV	Artificial Intelligence for Data Science	DSC	3
IV	Domain Specific certificate	DSC-CC	2
IV	Minor Project-I	DSC-MP	2
IV	Skill Enhancement Course	SEC	3
IV	Multidisciplinary Course	MDC	3
IV	Value-Added Course (VAC)	VAC	2
V	Process mining and Analytics -Celonis course I	DSC	4
V	Process mining and Analytics-Celonis course I practical	DSC	2
V	Machine Learning	DSC	4
V	Machine Learning Practical	DSC	2
V	Research Methodology	DSC	4
V	Statistical Analysis Using SPSS	DSC	4
V	Minor Project-II	DSC MP	2
V	Internship		2
VI	Exploratory Analysis	DSC	4
VI	Exploratory Analysis Practical	DSC	2

Semester	Course Title	Course Type	Credits
VI	Process optimization -Celonis course II	DSC	4
VI	Process optimization -Celonis course II practical	DSC	2
VI	Software Engineering	DSC	4
VI	Domain Specific certificate	DSC CC	2
VI	Project Capstone	DSP	4