

DETAILED SYLLABUS

Week	Content
Week 1	<p>Introduction: What is data science?, Its importance, Recap of RDBMS, Data Visualization and its importance</p> <p>Tableau: Introduction to Tableau, Power of Tableau, Architecture of Tableau, Charts and Graphs, Working with Metadata and Data Blending, Advanced Data Manipulations, Working with Filters</p>
Week 2	<p>Tableau: Organizing Data and Visual Analytics, Working with Mapping, Working with Calculations and Expressions, Working with Parameters, Dashboards and Stories,</p> <p>Tableau Prep, - Integration of Tableau with R</p>
Week 3	<p>R Programming: What is R, R Packages, Sorting Data Frame, Matrices and Vectors, Reading Data from External Files</p>
Week 4	<p>R Programming: Generating Plots, Analysis of Variance (ANOVA), K-Means Clustering, Association Rule Mining</p>
Week 5	<p>Regression in R: Introduction, Analyzing Relationship with Regression, Advanced Regression</p>
Week 6	Logistic Regression and Advanced Logistic Regression
Week 7 (O)	<p>Project Title: Sales Performance Analysis and Forecasting</p> <p>Description: This project involves analyzing sales data using data science techniques with Tableau for visualization and R programming for analysis</p> <p>R case studies: Discussion</p>
Week 8 (O)	