TABLEAU COURSE – 2 Months

MODULE 1: INTRODUCTION TO TABLEAU

✓ What is Tableau and why it is used
✓ Tableau Product Suite (Tableau Desktop, Tableau Server, Tableau Public, Tableau Prep)
✓ Tableau Desktop Interface and navigation
✓ Key terms: Workbook, Dashboard, Story
✓ Connecting to different data sources

MODULE 2: CONNECTING TO DATA

✓ Connecting to Excel, CSV, Text files
✓ Connecting to databases (SQL Server, MySQL, PostgreSQL, etc.)
✓ Connecting to web data connectors C cloud data sources
✓ Live connection vs Extracts
✓ Data refresh and extract management

MODULE 3: DATA PREPARATION

✓ Working with Tableau Prep Builder
✓ Cleaning and shaping data in Tableau
✓ Pivoting and splitting fields
✓ Joining tables (inner, left, right, full outer)
✓ Blending data from multiple sources
✓ Union of data

MODULE 4: DIMENSIONS, MEASURES S DATA TYPES

✓ Understanding dimensions vs measures
✓ Data types in Tableau
✓ Changing data types
✓ Hierarchies and drill-down functionality
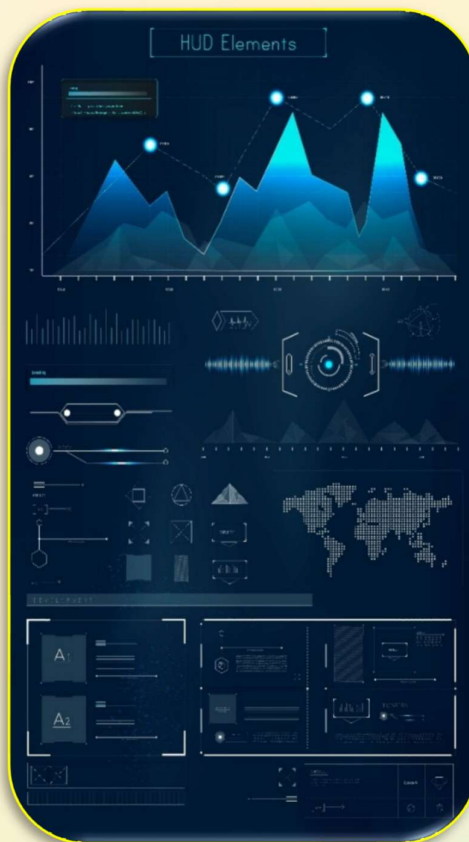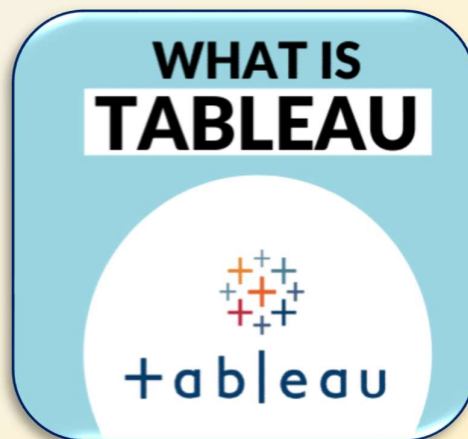✓ Discrete vs Continuous fields

MODULE 5: BASIC VISUALIZATIONS

✓ Bar charts, line charts, pie charts
✓ Tables and heatmaps
✓ Scatter plots and bubble charts
✓ Tree maps and highlight tables
✓ Geographic maps

MODULE 6: ADVANCED VISUALIZATIONS

✓ Dual-axis charts and combo charts
✓ Waterfall charts
✓ Gantt charts for project timelines
✓ Bullet graphs and sparklines
✓ Histograms and box plots
✓ Funnel charts
✓ Pareto charts

MODULE 7: SORTING, FILTERING S GROUPING

✓ Basic and advanced sorting
✓ Filters: Dimension filters, Measure filters, Relative date filters
✓ Top N filters

✓ Grouping data
✓ Set creation and usage

MODULE 8: CALCULATED FIELDS

✓ Introduction to calculated fields
✓ Logical calculations (IF, CASE, etc.)
✓ Date calculations
✓ String functions
✓ Aggregate functions (SUM, AVG, COUNT, etc.)
✓ Table calculations (RUNNING_SUM, INDEX, RANK, etc.)
✓ Level of Detail (LOD) expressions: FIXED, INCLUDE, EXCLUDE

MODULE G: DASHBOARD DESIGN

✓ Creating dashboards and layout design
✓ Adding interactive filters
✓ Using actions: Filter, Highlight, and URL actions
✓ Designing for storytelling
✓ Dashboard formatting best practices

MODULE 10: ADVANCED FEATURES

✓ Parameters and parameter actions
✓ Advanced mapping: layers, custom geocoding, spatial files
✓ Animations in Tableau
✓ Forecasting and trend lines
✓ Reference lines and bands
✓ Integrating with R and Python

MODULE 11: TABLEAU SERVER s ONLINE

✓ Publishing workbooks to Tableau Server/Tableau Online
✓ Managing user permissions
✓ Scheduling refreshes
✓ Data source management in Tableau Server

MODULE 12: PERFORMANCE OPTIMIZATION

✓ Reducing dashboard load time
✓ Optimizing extracts
✓ Efficient use of filters and calculations
✓ Best practices for large datasets

MODULE 13: TABLEAU WITH BUSINESS SCENARIOS

✓ Sales performance dashboard
✓ Financial KPI dashboard
✓ Customer churn analysis
✓ Market basket analysis
✓ HR analytics dashboard

MODULE 14: CAPSTONE PROJECTS

✓ Real-time business dashboard
✓ Interactive executive summary dashboard

Predictive analytics integration with Tableau

JOB ORIENTED COURSES   100% JOB GUARNTEE   EXPERIENCED FACULTY   WEEKLY TEST   PROJECT & ASSIGNMENT WORK