



POWER BI

OUR MISSION :

"Our mission is to empower learners worldwide through innovative technology, personalized learning experiences, and accessible educational resources. We strive to cultivate a community where every individual can achieve their full potential, regardless of their background or circumstances."

OUR VALUES :

"To pioneer the future of education by leveraging cutting-edge technology to make learning more engaging, effective, and inclusive. We envision a world where education transcends boundaries, creating opportunities for lifelong learning and fostering a society enriched by knowledge and creativity."



COURSE CURRICULUM:

Week 1: Introduction to Power BI

- Day 1-2: Overview of Business Intelligence and Power BI
 - Introduction to business intelligence concepts.
 - Overview of Power BI and its components.
- Day 3-4: Setting Up Power BI
 - Installing Power BI Desktop.
 - Understanding the Power BI interface.
- Day 5: Introduction to Data Sources
 - Connecting to various data sources (Excel, SQL Server, Web).
 - Importing and transforming data in Power BI.

COURSE CURRICULUM:

Week 2: Data Preparation and Transformation

- Day 1-2: Data Cleaning and Transformation
 - Using Power Query Editor for data cleaning.
 - Handling missing values, duplicates, and data types.
- Day 3-4: Advanced Data Transformation
 - Merging and appending queries.
 - Creating custom columns and using M language.
- Day 5: Data Modeling Basics
 - Understanding data modeling concepts.
 - Creating relationships between tables.

COURSE CURRICULUM:

Week 3: Data Modeling and DAX

- Day 1-2: Introduction to DAX (Data Analysis Expressions)
 - Basic DAX functions (SUM, AVERAGE, COUNT).
 - Creating calculated columns and measures.
- Day 3-4: Advanced DAX
 - Time intelligence functions.
 - Logical and statistical functions.
- Day 5: Optimizing Data Models
 - Best practices for data modeling.
 - Managing model relationships and hierarchies.

COURSE CURRICULUM:

Week 4: Data Visualization Basics

- Day 1-2: Creating Basic Visualizations
 - Bar charts, line charts, pie charts, and tables.
 - Formatting and customizing visualizations.
- Day 3-4: Advanced Visualizations
 - Using slicers and filters.
 - Creating maps and geographic visualizations.
- Day 5: Interactive Dashboards
 - Designing interactive dashboards.
 - Using bookmarks and buttons for navigation.

COURSE CURRICULUM:

Week 5: Advanced Data Visualization Techniques

- Day 1-2: Custom Visuals
 - Importing and using custom visuals from the Power BI marketplace.
 - Creating custom visuals with R and Python.
- Day 3-4: Drill-Through and Drill-Down
 - Setting up drill-through and drill-down reports.
 - Using tooltips and detailed views.
- Day 5: Conditional Formatting and KPI Indicators
 - Applying conditional formatting.
 - Creating and visualizing Key Performance Indicators (KPIs).

COURSE CURRICULUM:

Week 6: Power BI Service and Collaboration

- Day 1-2: Publishing to Power BI Service
 - Publishing reports to Power BI Service.
 - Managing datasets and workspaces.
- Day 3-4: Collaboration and Sharing
 - Sharing reports and dashboards.
 - Setting up row-level security (RLS).
- Day 5: Data Refresh and Scheduling
 - Configuring data refresh in Power BI Service.
 - Scheduling automatic refreshes and handling data gateways.

COURSE CURRICULUM:

Week 7: Power BI Integration and Advanced Features

- Day 1-2: Power BI and Excel Integration
 - Importing and exporting data between Power BI and Excel.
 - Using Power BI Publisher for Excel.
- Day 3-4: Power BI and Other Microsoft Tools
 - Integrating Power BI with SharePoint, Teams, and other Microsoft tools.
 - Using Power Automate with Power BI for automated workflows.
- Day 5: AI and Machine Learning in Power BI
 - Using AI visuals (Key Influencers, Decomposition Tree).
 - Integrating Power BI with Azure Machine Learning.

COURSE CURRICULUM:

Week 8: Final Project and Presentations

- Day 1-4: Project Development
 - Students work on a comprehensive final project that integrates multiple aspects of the curriculum.
 - Applying data modeling, DAX, visualizations, and Power BI Service features.
- Day 5: Project Presentation and Evaluation
 - Students present their projects.
 - Feedback and evaluation.

Our Partners Company's



The logo consists of the letters 'TS' in a large, bold, black sans-serif font, centered within a white circular shape that has a slight 3D effect with a shadow on the right side.

TECH TEACH
EDUCATIONALSOLUTIONS

FOR SUPPORT

+91 9652379012

www.techteachedsols.com

tech.ed.sols@gmail.com

THANK YOU

www.techteachedsols.com