

Power Bi Training

Suresh IT's Coaching Training Center introduces an immersive Power BI Training program meticulously crafted to equip participants with advanced skills in data visualisation and business intelligence using Microsoft Power BI. Through hands-on labs, real-world projects, and interactive sessions, students learn to connect, transform, and visualise data from various sources, enabling them to derive actionable insights and make informed business decisions. By mastering Power BI, graduates are well-equipped to analyse complex datasets, create compelling visualisations, and deliver impactful insights to stakeholders, thereby driving business growth and innovation.

Course Duration : 2 Months

Course Language : English/Hindi/Telugu

Classroom : Offline/Online Training/Hybrid Training

Description

The Power BI Training course is a comprehensive program designed to equip individuals with the knowledge and skills needed to effectively utilise Microsoft Power BI, a leading business intelligence and data visualisation tool. Geared towards data analysts, business intelligence professionals, and decision-makers, this course offers hands-on training in Power BI's capabilities, features, and best practices.

Throughout the course, participants will explore various aspects of Power BI, including data preparation, data modelling, visualisation design, and report creation. They will learn how to connect to various data sources, transform and clean data, and create powerful data models to unlock insights and drive informed decision-making.

Moreover, the Power BI Training course covers essential topics such as creating interactive dashboards, designing compelling visualisations, and sharing reports and insights with stakeholders. Participants will also learn how to leverage advanced Power BI features such as DAX (Data Analysis Expressions) formulas and Power Query to perform complex data analysis and derive actionable insights.

By the end of the course, participants will be proficient in using Power BI to analyse data, visualise trends, and communicate insights effectively, enabling them to make data-driven decisions that drive business success. With their newfound expertise in Power BI, participants will be well-equipped to leverage data as a strategic asset and gain a competitive edge in their organisations.

Skills you get

- Data Visualization Techniques
- Creating Interactive Reports and Dashboards
- Data Modeling and Transformation
- Power Query and DAX Formulas
- Data Analysis and Insights Generation
- Sharing and Collaboration Features

Course Contents

Introduction to Power BI

- What is Power BI?
- Overview of Power BI Desktop, Service, and Mobile App
- Key features and benefits
- Getting started with Power BI

Exercises:

- Installing Power BI desktop
- Exploring Power BI interface
- Connecting to data sources

Data Import and Transformation

- Data Sources in Power BI
- Importing Data from Excel, CSV, SQL Server, and other sources
- Data Transformation using Power Query Editor
- Cleaning and shaping data

Exercises:

- Import data from different sources
- Apply transformations using Power Query Editor
- Merge and append data tables

Data Modeling

- Introduction to data modelling
- Creating relationships between tables
- Measures and calculated columns
- Hierarchies and Date Tables

Exercises:

- Define relationships between tables
- Create calculated columns and measures
- Build hierarchies and date tables

Data Visualization

- Principles of Data Visualization
- Types of Visualisations (Bar Charts, Line Charts, Pie Charts, etc.)
- Customising Visualisations
- Interactivity and Drill-down

Exercises:

- Create various types of charts and graphs
- Customise visualisations with formatting options
- Add interactivity and drill-down features

Power BI Desktop Advanced Features

- Advanced Data Modeling Techniques
- Using DAX (Data Analysis Expressions) for Complex Calculations
- Advanced visualisation techniques
- Custom visuals and marketplace

Exercises:

- Implement advanced data modelling techniques
- Write complex calculations using DAX
- Explore and use custom visuals from the marketplace

Power BI Service

- Introduction to Power BI Service
- Publishing reports and dashboards
- Sharing and collaboration features
- Managing content and security

Exercises:

- Publish reports to Power BI Service
- Share reports with colleagues and stakeholders
- Manage content and security settings

Power BI Integration

- Integrating Power BI with other Microsoft Tools (Excel, SharePoint, Teams)
- Using Power BI with Azure Services (Azure SQL Database, Azure Data Lake, etc.)
- Embedding Power BI Reports in Websites and Applications

Exercises:

- Integrate Power BI with Excel and SharePoint
- Connect Power BI to Azure services
- Embed Power BI reports in a website or application

Advanced Analytics and AI in Power BI

- Introduction to Advanced Analytics in Power BI
- Using AI features (Q&A, Quick Insights, AI visuals)
- Advanced Data Analysis Techniques
- Time Series Analysis and Forecasting

Exercises:

- Explore advanced analytics features
- Use AI features for data exploration
- Perform time series analysis and forecasting

Power BI Administration and Governance

- Admin Portal overview

- Power BI Governance Best Practices
- Managing Data Refresh and Gateway
- Usage Monitoring and Auditing

Exercises:

- Explore the Power BI Admin Portal
- Set up data refresh schedules and gateways
- Monitor usage and audit reports

Power BI Best Practices and Tips

- Power BI Performance optimization
- Designing Effective dashboards and reports
- Best Practices for data security
- Tips for collaboration and teamwork

Exercises:

- Optimise report performance
- Design effective dashboards and reports
- Implement data security best practices

This course structure ensures learners gain a thorough understanding of Power BI, from basic concepts to advanced functionalities, along with hands-on experience and practical applications.