

Course Name : POWER BI: BASICS TO ADVANCED VISUALIZATION
Duration : 2 Days (Physical Classroom / Virtual Live Instructor)
Skill Level : Beginner

COURSE DESCRIPTION:

Unleash the potential of your data through our comprehensive Power BI training course, designed for data analysts, business intelligence professionals, and anyone eager to harness the capabilities of data visualization. Starting with an in-depth introduction to Power BI, covering its components, services, licensing, and deployment options, the course progresses to hands-on exercises with Power BI Desktop. Learn to connect to diverse data sources, transform and model data, and establish robust data relationships. Advanced topics include Power Query for intricate data transformations, fundamentals of DAX for potent calculations, and practical data visualization techniques for creating compelling reports and dashboards.

The course further explores Power BI Service, the cloud-based platform, covering report publishing, dashboard sharing, and collaborative features. Discover integration capabilities with Excel, SharePoint, and Power Automate for seamless data workflows. By course completion, you'll have the skills to confidently navigate Power BI, enhancing your data modeling, reporting, and visualization expertise. Whether you're a novice or an experienced professional, this course provides the knowledge and practical insights needed for success in the dynamic world of Power BI.

WHAT WILL YOU LEARN?

Throughout the course, you'll gain insights into administering and securing Power BI, understanding the admin portal, configuring gateways, and distinguishing between Power BI Premium and Power BI Pro. Best practices for optimization, troubleshooting, and governance will be covered to ensure you maximize the efficiency of your Power BI implementations.

PREREQUISITE:

Beginners. No programming experience is required.

METHODOLOGY:

This program will be conducted with interactive lectures, PowerPoint presentations, discussions, and practical exercises. This course can be conducted as instructor-led (ILT) or virtual instructor-led training (VILT).

JOB SCOPE:

Upon completion of this course, candidates may pursue the following career paths:

- Power BI Developer
- Data Analyst
- Business Intelligence Developer
- Data Visualization Specialist
- BI Consultant
- Business Analyst
- Data Visualization Engineer

MODULE 1: INTRODUCTION TO POWER BI

- Welcome
- Overview of Power BI
- Power BI Components and Services
- Power BI Desktop, Power BI Service, and Power BI Mobile
- Licensing and Deployment Options

MODULE 2: GETTING STARTED WITH POWER BI DESKTOP

- Installing Power BI Desktop
- Connecting to Data Sources
- Loading and Transforming Data
- Building a Data Model
- Data Relationships and Cardinality

MODULE 3: DATA VISUALIZATION IN POWER BI

- Introduction to Data Visualization
- Creating Basic Visualizations (Tables, Charts, Maps)
- Formatting and Customizing Visualizations
- Using Themes and Templates
- Best Practices for Effective Data Visualization

MODULE 4: ADVANCED DATA TRANSFORMATIONS AND MODELING

- Advanced Data Transformations with Power Query
- DAX (Data Analysis Expressions) Fundamentals
- Creating Calculated Columns and Measures
- Time Intelligence Functions

MODULE 5: ADVANCED VISUALIZATION TECHNIQUES

- Custom Visualizations and AppSource
- Drill-through and Drilldown Options
- Bookmarks and Buttons for Interactivity
- Hierarchies and Grouping in Visualizations
- Advanced Chart Types and Customization

MODULE 6: POWER BI SERVICE

- Publishing Reports to Power BI Service
- Sharing and Collaborating on Dashboards

CONCLUSION

- QA
- Useful References and Books
- Feedback