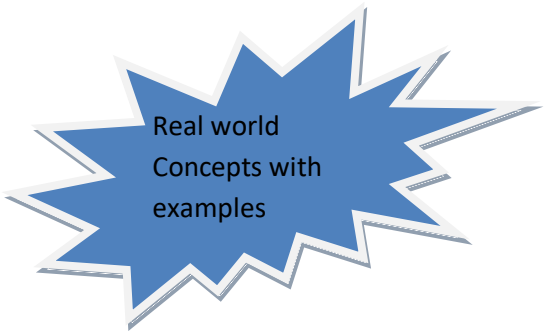
Microsoft Power BI is **used to** find insights within an organization's data. **Power BI** can help connect disparate data sets, transform and clean the data into a data model and create charts or graphs to provide visuals of the data. **Power BI** is a collection of software services, apps, and connectors that **work** together to turn your data into interactive insights. You can use data from single basic sources, such as an Excel workbook, or pull data in from multiple databases and cloud sources to create complex datasets and reports.

Microsoft Power BI Training will help you achieve expertise in business analytics. At the end of this course, you will master the concepts like Power BI Desktop, Power BI DAX, Power BI Q&A, Power BI Content packs, Power BI Custom Visuals, Power BI Integrations with Azure Machine Learning and SQL Services.

This module will introduce you to Power BI, its building blocks and the various fundamental concepts of Power BI. Topics:

- Business Intelligence
- Self Service Business Intelligence
- What is Power BI
- Why Power BI?
- Key Benefits of Power BI
- Flow of Power BI
- Components of Power BI
- Architecture of Power BI
- Building Blocks of Power BI



Power BI Desktop : This module will introduce you to Power BI Desktop. You will know how to extract data from various sources and establish connections with Power BI Desktop; perform transformation operations on data and the Role of Query Editor in Power BI. Topics

- Overview of Power BI Desktop
- Data Sources in Power BI Desktop
- Connecting to a data Sources
- Query Editor in Power BI
- Clean and Transform your data with Query Editor
- Combining Data
- Merging and Appending
- Cleaning irregularly formatted data
- Views in Power BI Desktop
- Modelling Data
- Manage Data Relationship
- Cross Filter Direction
- Create calculated tables and measures
- Optimizing Data Models

- Resume preparation
- Mock interviews
- Experience Support
- Software Installation
- Lab Support
- Interactive Sessions with placed Students

Data Analysis Expressions (DAX) Learning Objective: This module will help you learn the basics of DAX in Power BI Desktop.

- Essential concepts in DAX
- Why is DAX important?
- DAX Syntax
- Data Types in DAX
- Calculation Types
- DAX Functions
- Measures in DAX
- DAX Operators
- DAX tables and filtering
- DAX queries
- DAX Parameter Naming

Data Visualization:

This module will help you understand the benefits and best practices of Data Visualization. It will also help you in creating charts using Custom Visuals Topics

- Introduction to visuals in Power BI
- Charts in Power BI
- Matrixes and tables
- Slicers
- Map Visualizations
- Gauges and Single Number Cards
- Modifying colours in charts and visuals
- Shapes, text boxes, and images
- What Are Custom Visuals?
- Page layout and formatting
- KPI Visuals
- Z-Order

Introduction to Power BI Q&A and Data Insights

This module will help you in creating Dashboards and publishing it on Power BI services. You will also be taught to monitor Real-time Data with REST API

- Introduction to Power BI Service
- Dashboard vs. Reports
- Quick Insights in Power BI
- Creating Dashboards
- Configuring a Dashboard
- Power BI Q&A
- Ask questions of your data with natural language

Direct Connectivity: This module will help you learn, how to connect data sources directly to Azure, HD Spark, My SQL, and create interactive dashboards.

- Introduction to using Excel data in Power BI
- Exploring live connections to data with Power BI
- Connecting directly to SQL Azure, HD Spark, SQL Server Analysis Services/ My SQL
- Introduction to Power BI Development API
- Import Power View and Power Pivot to Power BI
- Power BI Publisher for Excel
- Content packs
- Introducing Power BI Mobile

Power BI Security: This module will help you understand about Power BI security and data gateways. Also, you will learn about the web portal in which you display and manage reports and KPI's

- Row level Security
- Data Gateways
- Scheduled Refresh

What are the system requirements for this Microsoft Power BI course?

1. Windows 7 / Windows Server 2008 R2, or later, .NET 4.5, Internet Explorer 9 or later, 2 GB RAM or Higher
2. CPU: 1 Gigahertz (GHz) or faster x86- or x64-bit processor