**Power BI Course Outline (Module wise)**

**Power BI**

## This MS Power BI Training helps you to learn this tool from basic to advanced. Below set of Power BI links will show you the step-by-step approach to connecting with multiple data sources, data transformations, and creating reports like charts, tables, matrix, maps, etc with screenshots. Use them to learn Power BI step by step.

## Power BI is one of the most popular Data Visualization tools, and a Business Intelligence Tool. This MS Power BI tool is a collection of data connectors, apps, and software services, which are used to get data from a different source, transforms data, and produce beautiful reports.

## Power BI also allows you to publish them for your organisation. So that you can access them using mobiles, tablets etc. This MS Power BI Training explains this step as well. So, read this Training completely to learn Power BI

* Module – 1: **Introduction to Power BI**
  + ***Learning Objective:*** This module will introduce you to Power BI, its building blocks, and the various fundamental concepts of Power BI.
    - 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
* Module – 2: **Power BI Desktop**
  + ***Learning Objective:*** 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.
    - 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
* Module – 3: **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
    - Calculation Types
    - DAX Functions
* Module – 4: **Data Visualization**
  + ***Learning Objective:*** 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.
    - 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
* Module – 5: **Introduction to Power BI Q&A and Data Insights**
  + ***Learning Objective:*** This module will help you in creating Dashboards and publishing it on Power BI services.
    - Introduction to Power BI Service
    - Dashboard vs. Reports
    - Quick Insights in Power BI
    - Creating Dashboards
    - Configuring a Dashboard
* Module – 6: **Filters in Power BI**
  + ***Learning Objective:*** The following power bi Training section explains you about the types of Filters with a practical example
    - Slicer
    - Basic Filters
    - Advanced Filters
    - Top N Filters
    - Filters on Measures
    - Page Level Filters
    - Report Level Filters
    - Drill through Filters
* Module – 7: **Publish and Share Power BI Dashboards**
  + ***Learning Objective:*** This Power Bi Training section covers the sharing of Work e.g., sharing reports, Dashboards, apps, Workspaces etc.
    - Share a Dashboard
    - Share a Report
    - Sharing Workspace
    - Publish App
    - View Published App
    - Edit App