# POWER BI COURSE CURRICUlUM

## Introduction to Power BI Topics:

* Introduction to Business
* Intelligence Introduction to Power BI
* Uses of Power BI
* The Flow of Work in Power BI
* Working with Power BI
* Basic Components of Power BI
* Comparison of Power BI Version
* Introduction to Building Blocks of Power BI
* Data model and importance of Data Modeling
* Installation of Power BI

## Power BI Desktop and Data Transformation Topics:

* Data Sources in Power BI Desktop
* Loading Data in Power BI Desktop
* Views in Power BI Desktop
* Panes in Power BI
* Query Editor In Power BI
* Transform, Clean, Shape, and Model Data
* Manage Data Relationship
* Editing a Relationship
* Cross Filter Direction
* Saving Workfile Measures

## DAX Topics:

* Introduction to DAX
* Importance of DAX
* Data Types in DAX DAX Calculation Types
* Steps to Create Calculated Columns
* Measures in DAX
* DAX Syntax
* DAX Functions
* DAX Operators
* DAX Tables and Filtering

## Data Visualization Topics:

* Introduction to Visuals In Power BI
* Visualization Charts in Power BI
* Matrixes and Tables
* Slicers and Map Visualizations
* Gauges , Single Number Cards and more
* Modifying Colors in Charts And Visuals
* Shapes, Text Boxes, and Images Custom Visuals
* Page Layout and Formatting
* Bookmarks and Selection Pane
* KPI Visuals
* Get more Visuals

## Connectivity Modes Topics:

* Data Sources Supported in Power BI
* Exploring Live Connections to Data Sources
* Connecting Directly to SharePoint
* Connecting Directly to SQL Server Analysis Services
* Data Gateways
* Direct Query vs. Import Connectivity modes
* Connecting Power BI in Excel and Text
* Connecting Excel and Text into power bI

## Power Query Topics:

* Power query Introduction
* Functions
* Custom column
* Conditional column
* Use Parameters
* Pivot & Unpivot
* Group By
* Merge queries
* Append queries
* Advance editor
* M Language

## Power BI Service Topics:

* Introduction to Power BI Service
* Handling Workspaces
* Creating a Dashboard
* Quick Insights in Power BI
* Configuring a Dashboard
* Power BI Q&A
* Bookmarks and buttons
* Schedule Refresh
* Data gateway configure
* Row Level Security - Static & Dynamic