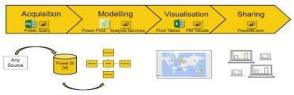
IPT Excel School
Advanced Excel & MIS Training School

Data analysis and visualization with Power BI

Learn how to use Power BI, a powerful data visualization tool, to create interactive and aesthetically pleasing charts, graphs, and maps.

21 YEARS EXPERIENCE

Mode Online Live Type One-to One Group



Duration 3 5 Hours to 45 Hours
Project: 8 to 10 Group Class 2 to 3
Dashboard : **40+ Real-time Dashboards**

Trainer: Mr. Sujit Kumar Singh (MCA)
21 Years Experience

Power BI Skills Covered

- Desktop Layout
- Data Transformation
- DAX Commands
- Charts and Page Layout
- Reports and Dashboards
- Advanced Analytics

Basic to Advanced Level

Course Outline

Introduction to Power BI

Installation of Power BI
Introduction to Business Intelligence
Power BI vs. Tableau vs. QlikView
Uses of Power BI
Basic Components of Power BI

Power BI Architecture





Power BI Desktop and Data Transformation

Data Sources in Power BI Desktop
Loading Data in Power BI Desktop
Views in Power BI Desktop
Query Editor In Power BI
Transform, Clean, Shape, and Model Data
Connect Data From SQL Server , Oracle , SAP , Google Sheet Json, XML,CSV,Web ,Odata Feed
Type of Connection

Introduction to Power BI Components: Power Query, Power Pivot, Power View &PowerMap





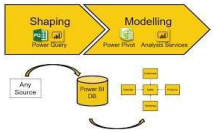
Power Query for Data Transformation

Power Query Introduction
Query Editor
Transformation GUI
Row Transformations
Column Transformations
Data Type
Adding Column
Text Transformations
Number Column Calculations
Date and Time Calculation

Data Normalization
Fact Tables vs Dimension Tables
Managing Data Relationships
Relationships vs Merged Tables
Working with Large Data Like One 1Cr Row Data

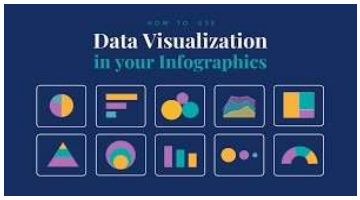






Data Visualization

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





DAX Function and DAX Statements

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
Creating Calculated Columns and Measures
Performing Data Analysis using DAX

Data Analysis Expression (DAX)

>200 Dax Function
Logical , Text , Date , Time intelligence , Filter , Table,Sumx and more

DAX Query

Measures in DAX
Advanced DAX Function





Power BI Dashboard

Creating a Dashboard
Power BI Q&A
Power BI Embedded
Bookmarks and buttons
Dashboard



1 Sales Dashboard
2 Web Traffic Dashboard
3 Customer Analysis Dashboard
4 Product Sales Data Analysis
5 Marketing Campaign Insights Analysis
6 Financial Performance Analysis
7 Education Dashboard
8 Healthcare Sales Analysis
9 Loan Application Analysis
10 Marketing Dashboard
11 Energy uses Analysis
12 OTT Media Dashboard
13 Retail Analysis
14 Project Management Dashboard
15 Inventory Stock Analysis
16 Customer Segmentation Dashboard
17 HR Analytics Dashboard
18 Custom KPI Dashboard
19 Supply Chain Dashboard
20 IT Operations Dashboard
21 Profit and Loss Dashboard

Power BI Web Portal and Server



Creating a Dashboard on Web
Configuring a Dashboard
Power BI Embedded
Creating QR Code for Report
Share Dashboard as PDF , PPT , Web Link
Creating Dashboard Public Web Link
Embedded Dashboard on Web Page

Python in Power BI

Python Scripts in BI
Python integration with Power BI

Advanced Analytics in Power BI



Use Parameters
Introduction to Smart Narrative
Advanced Get More Visuals
Handling Workspaces

40+ REAL-TIME DASHBOARDS

Sales, Finance, HR, Marketing, Healthcare, Supply Chain, IT Operations and more - built live on real business data

Trainer Profile

Mr. Sujit Kumar Singh (MCA)



Sujit Kumar Singh
Founder of IPT Excel SchooL
Online Live Trainer
From 2007 to Tilled

Sujit Kumar Singh is a seasoned Excel and MIS (Management Information Systems) trainer with over 21 years of experience in the field. He has worked as an MIS Executive and VBA Developer across more than 10 companies and currently serves as a report consultant for over 40 organizations. His teaching approach emphasizes practical, real-world applications, aiming to equip learners with skills directly applicable to their professional tasks

In 2007, Sujit founded IPT Excel School, one of the pioneering institutes in New Delhi offering online live classes in Advanced Excel and MIS training. The institute caters to working professionals, providing courses that cover Advanced Excel, VBA Macros, Dashboard creation, and Power BI

Sujit also maintains an active presence on platforms like YouTube and LinkedIn, where he shares tutorials and insights on Excel and related tools. His YouTube channel, Sujeet Kumar Advanced Excel Training in Hindi, offers a range of videos aimed at enhancing Excel proficiency

IPT Excel School
Arijpur , Rajla , Muzaffarpur Bihar - 844120
Ayachi Gram Post Office Muzaffarpur Bihar - 843108
B-412 Dakshinpur New Delhi
Mob.- +91 95 25 25 6051
+91 8826828093
Kumar@iptindia.com
www.iptindia.com
Trainer Profite https://www.linkedin.com/in/iptindia/