POWER BI

Programming & development

Basic – 30 Hours

Power BI is a Business Intelligence tool developed by Microsoft. Power BI is a Data Visualization and Business Intelligence tool that converts data from different data sources to interactive dashboards and BI reports. Power BI suite provides multiple software, connector, and services - Power BI desktop, Power BI service. These set of services are used by business users to consume data and build BI reports.

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Power BI Course

1. Introduction to Power BI
2. Power BI – Architecture
3. Data Sources
4. Comparison with Other BI Tools
5. Data Modeling
6. Power BI – Dashboard
7. Power BI – Visualization
8. Power BI – Excel Integration
9. Sharing Power BI Dashboards
10. DAX Basic in Power BI
11. DAX functions
12. Power BI – Administration Role

Course Content

Introduction to Power BI

➢ What is Power BI?
➢ Introduction to Business Intelligence tool
➢ Installation of Power BI Desktop

Power BI - Architecture

➢ Power BI Desktop
➢ Power BI Gateway
➢ Power BI Mobile Apps
➢ Power BI Service

Data Sources

➢ Databases
➢ Import vs DirectQuery
➢ Azure
➢ Online Services

Comparison with Other BI Tools

- ➢ Power BI vs Tableau
- ➢ Power BI vs SSRS

Data Modeling

- ➢ Data Modeling and Navigation
- ➢ Report, Data, Relationships

Power BI – Dashboard

- ➢ Creating Dashboard
- ➢ Sharing Dashboards
- ➢ Tiles in Dashboard

Power BI – Visualization

- ➢ Simple Visualizations
- ➢ Map Visualizations

Power BI – Excel Integration

- ➢ Excel Data
- ➢ Importing Excel Files

Sharing Power BI Dashboards

- ➢ Printing Power BI Dashboards
- ➢ Publishing Report to Web

DAX Basic in Power BI

- ➢ DAX Introduction
- ➢ DAX Functions

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DAX functions

- ➢ Aggregate functions
- ➢ Counting functions
- ➢ Logical functions
- ➢ Text functions
- ➢ Date functions
- ➢ Information functions
- ➢ DAX Calculation Types

Power BI – Administration Role

- ➢ Purchasing
- ➢ Security