

Microsoft Power BI Certification Training Course

Course Curriculum : Your 10 module Learning Plan

<https://www.kntech.co/power-bi-certification-training>

About KnTech

Kn Tech is a leading e-learning platform providing live instructor-led interactive online training. We cater to professionals and students across the globe in categories like Big Data & Hadoop, Business Analytics, NoSQL Databases, Java & Mobile Technologies, System Engineering, Project Management and Programming. We have an easy and affordable learning solution that is accessible to millions of learners. With our students spread across countries like the US, India, UK, Canada, Singapore, Australia, Middle East, Brazil and many others, we have built a community of over 1 million learners across the globe.

About Course

Kn Tech Power BI certification course is curated by subject matter experts to help you clear the official Microsoft Power BI Data Analyst Exam: PL-300. This course will help you gain expertise in Business Analytics and throughout the training, you will master the concepts such as Power BI Desktop, Architecture, DAX, Service, Mobile Apps, Reports, Q&A, and many more with industry-relevant use cases. This Power BI training ensures that you get hands-on experience in real-time projects. Learn Power BI from 10+ years of experienced industry experts.

Power BI Course Syllabus

Introduction to Power BI

Topics:

- Introduction to Business Intelligence
- Self-Service Business Intelligence (SSBI)
- Introduction to Power BI
- Traditional BI vs. Power BI
- Power BI vs. Tableau vs. QlikView
- 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

Hands-on:

- Installation of Power BI

Skills You will Learn

- Concepts of Business Intelligence
- Power BI installatio

Power BI Desktop and Data Transformation

Topics:

- 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
- Manage Data Relationship
- Editing a Relationship
- Cross Filter Direction
- Saving Workfile
- Measures

Hands-on:

- Data Cleaning using Power BI query editor
- Creating Measures
- Transform, Clean, Shape, and Model Data for further analysis

Skills You will Learn

- Data transformation using the query editor
- Shaping data with measures
- Managing Data Relationships

Data Analysis Expressions (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

Hands-on:

- Creating Calculated Columns and Measures
- Performing Data Analysis using DAX

Skills You will Learn

- Data Analysis using DAX
- Creating Calculated Measures and Columns

Data Visualization

Topics:

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

Hands-on:

- Creating different visuals
- Creating cards, measures, KPI, reference line, and slicers

Skills You will Learn

- Visuals in Power BI
- Report creation
- Visuals modification
- Z-order and KPI in visuals

Connectivity Modes

Topics:

- Data Sources Supported in Power BI
- Exploring Live Connections to Data Sources
- Connecting Directly to SQL Azure
- Connecting Directly to SQL Server Analysis Services/My SQL
- Import Power View and Power Pivot
- Data Gateways
- Direct Query vs. Import Connectivity modes
- Connecting Power BI in Excel

Hands-on:

- Setting Up On-Premise Data Gateway
- Connecting Power BI with SQL Server Database
- Connecting Reports on Power BI Service with Local Data Files

Skills You will Learn

- On-Premise Data Gateway
- Connecting Power BI with Databases
- Connecting Power BI Service with Local Data Sources

Power BI Report Server

Topics:

- What is Power BI Report Server?
- Key Features of Report Server
- The architecture of the Report Server
- Limitations of Report Server
- Power BI Report Server vs. Power BI Service
- Acquiring and Installing Power BI Report Server
- What is a Web Portal?
- Paginated Reports
- Row Level Security

Hands-on:

- Setting up Power BI Report Server
- Using Power BI Report Server for Publishing Reports
- Implementing Row Level Security

Skills You will Learn

- Power BI Report Server
- Publishing reports on Report Server

R & Python in Power BI

Topics:

- Brief concepts about R
- R Programming Concepts
- Create R Scripts for BI
- Python Programming

- Python Scripts in BI
- Python integration with Power BI

Hands-on:

- Connecting R and Python in Power BI
- Using R and Python for data analysis

Skills You will Learn

- Data cleaning and transformation
- Python and R scripts
- Power BI integration

Advance Analytics In Power BI

Topics:

- Use Parameters
- Create a data flow
- Introduction to Anomaly Detection
- Introduction to Smart Narrative
- Introduction to Sensitivity labels in Power BI
- Deployment Pipeline

Hands-on:

- Connecting with Power BI service
- Creating dataflow
- Creating scorecard

Skills You will Learn

- Data flow creation
- Anomalies detection
- Smart Narrative implementation

Power BI Service

Topics:

- Introduction to Power BI Service
- Creating a Dashboard
- Quick Insights in Power BI
- Configuring a Dashboard
- Power BI Q&A
- Ask Questions about your Data
- Power BI Embedded
- Bookmarks and buttons

Hands-on:

- Creating reports and dashboard
- Publishing reports on Power BI Service
- Using Power BI Service for operations on reports

Skills You will Learn

- Report and dashboard creation
- Designing stories with dashboards

In-Class Project

Topics:

- Power BI Service
- Row Level Security
- Visuals and Charts
- Power BI Desktop
- Handling Workspaces

Hands-on:

- Analyze store data
- Draw conclusions from visuals created

Skills You will Learn

- Sales Reports creation
- Interactive Dashboards creation