

Microsoft Power BI Certification Training Course

Course Curriculum: Your 10 module Learning Plan

https://www.edureka.co/power-bi-certification-training

About Edureka

Edureka 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

Power BI certification course by Edureka will help you gain expertise in Business Analytics. You will master the concepts such as Power BI Desktop, Architecture, DAX, Service, Mobile Apps, Reports, and Q&A, to name a few, with industry use cases. This Power BI training is live instructor-led & ensures that you get hands-on experience in real-time projects. Learn Power BI online from 10+ years of experienced industry experts and clear the DA-100 exam.

Power BI Course Curriculum

Introduction to Power BI

Learning Objective: This Power BI online training module will introduce you to its building blocks and the various fundamental concepts of Power BI. Topics:

- Business Intelligence
- Self Service Business Intelligence
- SSBI Tools
- Power BI vs Tableau vs QlikView
- 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
- Question Bank

Power BI Desktop and Data Transformation

Learning Objective: This Power BI online course 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. Topics:

- Overview of Power BI Desktop
- Data Sources in Power BI Desktop
- Connecting to a data Sources

- Query Editor in Power BI
- Query Ribbon
- 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
- Automatic Relationship Updates
- Template Apps
- Cross Filter Direction
- Create calculated tables and measures
- Optimizing Data Models
- PBIDS Files
- Question Bank

Data Analysis Expressions (DAX)

Learning Objective: This Power BI online training module will help you learn the basics of DAX in Power BI Desktop.

- Essential concepts in DAX
- Why is DAX important?
- DAX Syntax
- Data Types in DAX
- Ranking and rank over groups
- Filter and evaluation context

- Context interactions
- Calculation Types
- DAX Functions
- Measures in DAX
- DAX Operators
- DAX tables and filtering
- DAX queries
- Create simple and compound measures
- Schema relations
- Star schema design
- DAX Parameter Naming
- Question Bank

Data Visualization

Learning Objective: This Power BI online course 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
- Create scatter, waterfall, and funnel charts
- Modifying colors in charts and visuals

- Shapes, text boxes, and images
- What Are Custom Visuals?
- Page layout and formatting
- KPI Visuals
- Z-Order
- Explore time-based data
- AppSource
- Question Bank

Introduction to Power BI Service, Q&A and Quick Insights

Learning Objective: This module will help you in creating Dashboards and publishing it on Power BI services. You will also be taught to monitor Real-time Data with REST API. Topics:

- Introduction to Power BI Service
- Introduction to using workspaces
- Dashboard vs. Reports
- Quick Insights in Power BI
- Creating Dashboards
- Configuring a Dashboard
- Power BI Q&A
- Ask questions of your data with natural language
- Power BI embedded
- Create custom Q&A suggestions
- Edit tile details and add widgets
- Build apps
- Integrate OneDrive for Business with Power BI
- Question Bank

• Case Study

Connectivity Modes

Learning Objective: This Power BI course module will help you learn, how to connect data sources directly to Azure, HD Spark, My SQL, and create interactive dashboards.

Topics:

- Introduction to using Excel data in Power BI
- Exploring live connections to data with Power BI
- Connecting directly to SQL Azure, HD Spark, SQL Server Analysis Services/ My SQL
- Introduction to Power BI Development API
- Import Power View and Power Pivot to Power BI
- Data caching and refresh
- Introducing Power BI Mobile
- Question Bank

Power BI Report Servers

Learning Objective: This Power BI online course module will help you understand about Power BI Report Servers and data gateways. Also you will learn about the web portal in which you display and manage reports and KPI's.

- Report Server Basics
- Web Portal
- Paginated Reports
- Row level Security

- Data Gateways
- Scheduled Refresh
- Configure scheduled refresh
- Create a publish-to-web embed code
- Customize the sample Power BI file

Using R & Python in Power BI

Learning Objective: This Power BI online training module will help you create R and Python visuals in Power BI Desktop as well as in Power BI Service. Topics:

- R Integration in Power BI Desktop
- R visuals in Power Bl
- R Powered Custom Visuals
- Creating R visuals in Power BI
- R Visuals in Power BI Service
- R Scripts Security
- Creating visual using Python

Advanced Analytics In Power BI

Learning Objective: This module will help you perform advanced analysis using Anomaly Detection and Smart Narrative visualisation in Power BI.

- Using Parameters
- Create a data flow
- Introduction to Anomaly Detection
- Introduction to Smart Narrative

- Introduction to Sensitivity labels in Power BI
- Deployment Pipeline

In-class Project

Learning Objective: Here in you will develop an exhaustive project where you will incorporate all your learnings of Power BI. At the end of this module you should be able to learn to incorporate various features as per the requirements of your Enterprise

Topics:

• Comprehensive project covers all essentials of the course.

Power BI Certification Projects

What are the system requirements for this Microsoft Power BI course?

- Windows 8.1 / Windows Server 2012 R2, or later, .NET 4.6.2 or later, Internet Explorer 11 or later, 2 GB RAM
- CPU: 1 Gigahertz (GHz) or faster x86- or x64-bit processor

How will I execute the practicals in this Microsoft Power BI Training?

We will help you to sign up and create account on Microsoft Power BI to activate Power BI services. We will also help you to install and set up Power BI Desktop.