Microsoft Power BI Data Analyst (Exam PL-300)

Edufane Overview

Edufane is an online technical training provider platform. We provide industry-vetted certification training programs which help freshers, students, and working professionals to upskill with confidence. We focus on providing industry experience by our extensive hands-on projects knowledge, career consultancy, advance technical understanding and offer industry-recognized certifications programs.

Why Edufane

- Lifetime Membership (Unlimited Batch Access)
- Realtime Live Training
- Real-world Project-based Training
- Live Class Recording

- Hands-On Lab Material
- Mock Interview & Resume Preparation
- Job Assistance
- Certified Trainer with Strong Expertise

Our Training Courses

- Microsoft .NET (C#)
- ASP.Net Core
- ASP.Net MVC
- Azure Administration Associate (AZ-104)
- Azure Developer Associate (AZ-204)
- Azure DevOps Engineer Expert (AZ-400)
- Azure Solutions Architect Expert (AZ-305)
- Power BI Data Analyst Associate (DA-100)

Course Overview

As a candidate for this certification, you should have subject matter expertise in implementing, managing, and monitoring an organization's Azure DevOps environment, including:

- GitHub
- Microsoft Teams
- Project Planning
- Reporting
- Security
- Governance

As an Azure Power BI SME, you often serve as part of a larger team dedicated to implementing an organization's Data Analyst and Reporting . You also coordinate with other roles to deliver Azure networking, security, database, application development, and Database solutions.

You should be familiar with:

- Power BI
- Azure Storage
- Data Factory
- Databases

In addition, you should have experience with:

- PowerShell
- Azure CLI
- The Azure portal
- Azure Resource Manager templates
- Microsoft Entra ID

Module 1: Prepare the Data

➢ Get Data from Data Source

- Identify and connect to a data source
- Change data source settings, including credentials, privacy levels, and data source locations
- Select a shared semantic model, or create a local data model
- Choose between DirectQuery, Import, and Dual mode
- Change the value in a parameter

➢ Clean the Data

- Evaluate data, including data statistics and column properties
- Resolve inconsistencies, unexpected or null values, and data quality issues
- Resolve data import errors

➢ Transform and Load the Data

- Select appropriate column data types
- Create and transform columns
- Transform a query
- Design a star schema that contains facts and dimensions
- Identify when to use reference or duplicate queries and the resulting impact
- Merge and append queries
- Identify and create appropriate keys for relationships
- Configure data loading for queries

Module 2: Model the Data

➢ Design and Implement a Data Model
- Configure table and column properties
- Implement role-playing dimensions
- Define a relationship's cardinality and cross-filter direction
- Create a common date table
- Implement row-level security roles

➢ Create model calculations by using DAX
- Create single aggregation measures
- Use CALCULATE to manipulate filters
- Implement time intelligence measures
- Identify implicit measures and replace with explicit measures
- Use basic statistical functions
- Create semi-additive measures
- Create a measure by using quick measures
- Create calculated tables

➢ Create model calculations by using DAX
- Improve performance by identifying and removing unnecessary rows and columns
- Identify poorly performing measures, relationships, and visuals by using Performance Analyzer
- Improve performance by choosing optimal data types
- Improve performance by summarizing data

Module 3: Visualize and analyze the data

➢ Create Reports

- Identify and implement appropriate visualizations
- Format and configure visualizations
- Use a custom visual
- Apply and customize a theme

- Configure conditional formatting
- Apply slicing and filtering
- Configure the report page
- Use the Analyze in Excel feature
- Choose when to use a paginated report

➢ Enhance reports for usability and storytelling

- Configure bookmarks
- Create custom tooltips
- Edit and configure interactions between visuals
- Configure navigation for a report
- Apply sorting
- Configure sync slicers
- Group and layer visuals by using the Selection pane

- Drill down into data using interactive visuals
- Configure export of report content, and perform an export
- Design reports for mobile devices
- Enable personalized visuals in a report
- Design and configure Power BI reports for accessibility

➢ Identify Patterns and Trends

- Use the Analyze feature in Power BI
- Use grouping, binning, and clustering
- Incorporate the Q&A feature in a report
- Use AI visuals
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- Use reference lines, error bars, and forecasting
- Detect outliers and anomalies
- Create and share scorecards and metrics

Module 4: Deploy and Maintain Items

➢ Create and manage workspaces and items

- Create and configure a workspace
- Assign workspace roles
- Configure and update a workspace app
- Publish, import, or update items in a workspace
- Create dashboards

- Choose a distribution method
- Apply sensitivity labels to workspace content
- Configure subscriptions and data alerts
- Promote or certify Power BI content
- Manage global options for files

➢ Manage Semantic Models

- Identify when a gateway is required
- Configure a semantic model scheduled refresh
- Configure row-level security group membership
- Provide access to semantic models
- Configure automatic page refresh

Duration: 40 Hrs.   **Mode**: Online   **Days**: Weekends (Sat & Sun)   **Fee**: ~~₹ 20,000~~ ₹ 10,000