

## **Microsoft Power BI PL – 300 Certification Preparation**

### **Training Program**

#### **Who can do?**

- Working People who are interested to learn POWER BI features.
- like to enhance their professional skills in MS POWER BI
- People who are from any discipline and like to enhanced their capacity with respect to business intelligence and also want to prepare for the certification of Microsoft Power BI PL 300

**100,000+ Students  
have been Trained**

since  
1997

**Program is  
offered by**

3D EDUCATORS  
22 Years of  
Excellence in  
Training &  
Development  
INT

**Invest in  
People the  
only Asset  
that Appreciates**



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## **POWER BI (PL-300) Microsoft Certification**

### **OBJECTIVE:**

This Course is specially designed for those who are already working in financial institutions, Banks, Hospitals, Pharmaceuticals Companies, FMCGs and others, and involve directly or indirectly with company's data and need some assessment regarding company sales, manufacturing, territories, logistics or any other existing and future trends data analysis. Hence! this course is very effective for those candidates, who want to improve their skills in Microsoft POWER BI and would also need to learn data analytics.

The main objective of the course is to enhance the skills of any individual or corporate in MS POWER BI in respect of PL-300 Certification Preparation, by which to analyze, predict and explore the data of the organizations from various methods and techniques.



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## **POWER BI (PL-300) Microsoft Certification**

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# Program Details

### Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

### Program Structure

No of classes per week	01 - Class
Duration of each class	02 - Hour
Total Duration	16 - Hours

### Other Learning Activities

Classroom Assignments	4
Presentations by Trainees	1
Hands on Training with Labs	16

In Affiliation with







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### **COURSE OUTLINE:**

#### **Prepare the data (25–30%)**

##### **Get or connect to data**

- Identify and connect to data sources or a shared semantic model
- Change data source settings, including credentials and privacy levels
- Choose between DirectQuery and Import
- Create and modify parameters

##### **Profile and 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
- Group and aggregate rows
- Pivot, unpivot, and transpose data
- Convert semi-structured data to a table
- Create fact tables and dimension tables
- 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



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### **Model the data (25–30%)**

#### **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
- Identify use cases for calculated columns and calculated tables

#### **Create model calculations by using DAX**

- Create single aggregation measures
- Use the CALCULATE function
- Implement time intelligence measures
- Use basic statistical functions
- Create semi-additive measures
- Create a measure by using quick measures
- Create calculated tables or columns
- Create calculation groups

#### **Optimize model performance**

- Improve performance by identifying and removing unnecessary rows and columns
- Identify poorly performing measures, relationships, and visuals by using Performance Analyzer and DAX query view
- Improve performance by reducing granularity



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### **Visualize and analyze the data (25–30%)**

#### **Create reports**

- Select an appropriate visual
- Format and configure visuals
- Apply and customize a theme
- Apply conditional formatting
- Apply slicing and filtering
- Configure the report page
- Choose when to use a paginated report
- Create visual calculations by using DAX

#### **Enhance reports for usability and storytelling**

- Configure bookmarks
- Create custom tooltips
- Edit and configure interactions between visuals
- Configure navigation for a report
- Apply sorting to visuals
- Configure sync slicers
- Group and layer visuals by using the Selection pane
- Configure drill through navigation
- Configure export settings
- Design reports for mobile devices
- Enable personalized visuals in a report
- Design and configure Power BI reports for accessibility
- Configure automatic page refresh

#### **Identify patterns and trends**

- Use the Analyze feature in Power BI
- Use grouping, binning, and clustering
- Use AI visuals
- Use reference lines, error bars, and forecasting
- Detect outliers and anomalies



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### **Manage and secure Power BI (15–20%)**

#### **Create and manage workspaces and assets**

- Create and configure a workspace
- Configure and update a workspace app
- Publish, import, or update items in a workspace
- Create dashboards
- Choose a distribution method
- Configure subscriptions and data alerts
- Promote or certify Power BI content
- Identify when a gateway is required
- Configure a semantic model scheduled refresh

#### **Secure and govern Power BI items**

- Assign workspace roles
- Configure item-level access
- Configure access to semantic models
- Implement row-level security roles
- Configure row-level security group membership
- Apply sensitivity labels





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## **TERMS & CONDITIONS**

### **WITHDRAWAL FROM THE DIPLOMA/CERTIFICATION**

Students are not allowed to withdraw from the Diploma. If a student cannot continue the Diploma his/her fee will be forfeited.

### **CONDUCT AND DISCIPLINE**

A disciplinary action, leading to rustication, will be taken against students whose conduct is found objectionable at any time during the course of study. Reference will be made to 3D Educators code of conduct.

### **EVALUATION AND GRADING**

The performance of students is evaluated through continuous observation of a student's performance in the Diploma – class participation, submission of assignments, quizzes and exercises.



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The student will be examined through three hourly exams conducted at the midterm and a final exam at the end of the program. Total marks for passing the Diploma will be 60 out of a total of 100.

Students who do not meet the attendance or any other eligibility criteria will not be allowed to appear in the final examination.

The following grading plan will be applicable for the Diploma:

A	87 - 100
B+	81 -86
B	72 - 80
C+	66 - 71
C	60 - 65
F	below 60



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Students who are unable to appear for the final exam are required to submit a written application stating the reason for not appearing for the exam. 3D Educators reserves the right to approve or deny such applications. If approved, the student will be allowed to sit for the exam within one month. Failure to do so, the student will be resubmit the examination fee and sit the future schedule exam. Without passing of the exams no certification will be awarded.

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### **ONLINE LIVE CLASSES FACILITY AVAILABLE**

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to [info@3deducators.com](mailto:info@3deducators.com) with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it [info@3deducators.com](mailto:info@3deducators.com). Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.

### **DISTANCE NOT MATTER**

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.



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### PRECAUTIONARY MEASURES

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

### CONTACT US

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<http://www.3deducators.com>

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