

Power BI Course Syllabus

Chapter 1: Basic

- Introduction to Business Intelligence
- Introduction to Power BI

Develop the case study “Population Analysis” : Familiar with Visualization

- Introduction to Power BI Desktops.
- Understand the data loading into Power BI from different sources.
- Introduction to Query Editor.
- Preparing visuals with different charts and table.
- Make the interaction user friendly and provide great amount of insights.
- Apply drill through filters between pages.
- Apply the theme.

Chapter 2: Develop the case study “Sales” : Deep learning of Query Editor and DAX

Understand Query Editor

- Use the text tools to split, extract, and format strings & merge the queries.
- Use number specific tools to apply statistics and standard functions.
- Use Date and Time tools to create a set of date related columns in calendar table.
- Understand grouping.
- Create conditional columns.
- Define categories.
- Define hierarchies.

Chapter 3: Create Data Models

- Understand the concepts of data modelling, primary & foreign keys, relationships, star schema, snowflake schema, and relationships cardinality.

- Create relationships.

Chapter 4: DAX Calculated columns and measurements.

- Implicit and explicit measures.
- Understand filter context in visualization.
- List of DAX Operators.
- DAX function categories.
- Maths and Stats functions.
- Logical functions
- Text functions
- Filter functions
- Date & Time functions.
- Use RELATED with the related table.
- Different count functions.
- CALCULATE function.

Chapter 5: Reports Development:

- Understand the report view.
- Formatting options.
- Filtering options.

Chapter 6: Publishing the report to power service cloud.

Chapter 7: Licensing Options.

Chapter 8: On-Premises Data Gateway

Chapter 9: Administration, Security, and Compliance

Chapter 10: Intermediate:

- Introduction to star schema.

- Develop the case study “Tamil Nadu Election Analysis” : Convert flat file to starschema.
- Load and transform the flat file.
- Create dimension tables
- Create fact file.
- Group the queries to organize better.
- Create models.
- Generate Reports.

Chapter 11: Custom Visuals:

- Text Filter
- Tornado
- Word Count.

Chapter 12: Machine Learning

- Forecasting
- Clustering

Chapter 13: Power BI Data Storage Options

Chapter 14: Collaboration and Sharing

Chapter 15: Advanced

Step by Procedure of the following advanced visuals and their importance

- Pareto Chart
- Key Influencer
- Decomposition Tree.
- Water Fall
- What if

Chapter 16: Report Development Best Practices.

Chapter 17: Practice Test for Exam and Discussion.

