



LEARN WELL
TECHNOCRAFT

POWERBI SYLLABUS

8TH YEAR OF ACCOMPLISHMENTS



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AUTHORIZED GLOBAL CERTIFICATION CENTER FOR
MICROSOFT, ORACLE, IBM, AWS AND MANY MORE.

ACHIEVEMENTS FROM TRAINING

- Candidate will be able to show 2-3 years experience after training.
- Real time scenarios, case studies, projects included.
- Real time data provided for practice.
- Software will be installed on candidates machine.
- Individual 1 on 1 discussions for resume modifications.
- Learn from Industry experts.
- Global Certification Preparation.
- Appear for global certification at Learn Well Technocraft itself.
- Get discounted certification vouchers.
- Authorized global certification center for Pearson, PSI, Kryterion.



RECOMMENDED

WITH POWERBI



While you Learn PowerBI

Prepare for SQL

Courses best suited with PowerBI



- Informatica ETL
- MSBI
- Data Analytics using R
- Data Analytics using Python

PowerBI is latest release from Microsoft.
Our course is finely designed inline with
Microsoft global certification guidelines.

PowerBI Syllabus

1

Get Power BI Tools

Introduction to Tools and Terminology

Dashboard in Minutes

Introduction to Power BI Desktop

- Get Power BI Tools
- Introduction to Tools and Terminology
- Dashboard in Minutes
- Introduction to Power BI Desktop
- Transforming Data (Basic Transforms)
- Transforming Data (Add Column From Example)
- Transforming Data (Appending Queries)
- Transforming Data (Merging Queries)
- Transforming Data (Combine Files)
- Transforming Data (M Query)
- Transforming Data (Parameters and Templates)
- Transforming Data (Other Query Features)
- Introduction to Modeling Data
- Creating the Data Model (Modeling)
- Creating the Data Model (Model Enhancements)
- Creating the Data Model (What If Parameters)
- Creating Calculated Columns and Tables (DAX)
- Creating Calculated Columns and Tables (Navigation Function)
- Creating Calculated Columns and Tables (Calculated Tables)
- Creating Calculated Measures (Measure)
- Creating Calculated Measures (Time Intelligence Functions)
- Color Formatting
- Setting Sort Order

- Scatter & Bubble Charts & Play Axis
- Tooltips
- Slicers & Timeline Slicers
- Cross Filtering and Highlighting
- Visual, Page and Report Level Filters
- Drill Down/Up
- Hierarchies
- Reference/Constant Lines
- Tables, Matrices & Conditional Formatting
- KPI's, Cards & Gauges

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Introduction to Modeling

- Setup and Manage Relationships
- Cardinality and Cross Filtering
- Default Summarization & Sort by
- Creating Calculated Columns
- Creating Measures

Creating Visualizations

Introduction to Visualizing Data

Creating Basic Reports with the Power BI Desktop

creating Interactive Reports (Adding Slicers for Filters)

Creating Interactive Reports (Visualizing Tabular Data)

Creating Interactive Reports (Visualizing Categorical Data)

Creating Interactive Reports (Visualizing Data Trends)

Creating Interactive Reports (Visualizing Categorical and Trend Data Together)

Creating Interactive Reports (Visualizing Geographical Data with Maps)

Creating Interactive Reports (Visualizing Goal Tracking)

Creating Interactive Reports (Using Custom Visuals)

- [Creating Interactive Reports \(Digital Storytelling\)](#)
- [Creating Interactive Reports \(Other Features\)](#)
- [Using the Power BI Service \(Deploying to the Power BI Service\)](#)
- [Using the Power BI Service \(Creating and Sharing Dashboards\)](#)
- [Using the Power BI Service \(Using Power BI Q&A\)](#)
- [Using the Power BI Service \(Setting up App Workspaces\)](#)
- [Using the Power BI Service \(Subscriptions and Alerts\)](#)
- [Using the Power BI Service \(Excel Integration\)](#)
- [Using the Power BI Service \(Export and Embed Options\)](#)
- [Refreshing the Data \(Refreshing Data Overview\)](#)
- [Refreshing the Data \(Installing the Data Gateway\)](#)
- [Refreshing the Data \(Scheduling a Data Refresh\)](#)
- [Mobile BI \(Power BI Mobile Overview\)](#)
- [Mobile BI \(Designing Reports and Dashboards for Mobile\)](#)
- [Mobile BI \(Interacting with the Power BI Mobile App\)](#)
- [Color Formatting](#)
- [Setting Sort Order](#)
- [Scatter & Bubble Charts & Play Axis](#)
- [Tooltips](#)
- [Slicers & Timeline Slicers](#)
- [Cross Filtering and Highlighting](#)
- [Visual, Page and Report Level Filters](#)
- [Drill Down/Up](#)
- [Hierarchies](#)
- [Reference/Constant Lines](#)
- [Tables, Matrices & Conditional Formatting](#)
- [KPI's, Cards & Gauges](#)
- [Map Visualizations](#)
- [Custom Visuals](#)
- [Managing and Arranging](#)

- Drill through
- Standalone Tiles
- Data Driven Alerts
- Quick and Related Insights
- Custom Q & A questions

3 Introduction to DAX

- Getting Started
- Data Modeling (Overview)
- Data Modeling (Tabular)
- What is DAX (Overview)
- What is DAX (Tabular)
- Creating Calculated Columns
- Navigation Functions
- Conditional and Logical Functions
- Creating Calculated Measures
- Time Intelligence (Overview)
- Time Intelligence (Time Intelligence Functions)
- Table Functions
- DAX as a Query Language

Advanced DAX

- Class Introduction (Class Files)
- Class Introduction (Why Advanced DAX)
- Working with Variables
- Working with Filter Context (What is Filter Context?)
- Working with Filter Context (CALCULATE)
- Working with Filter Context (Overriding Filter Context)
- Working with Filter Context (FILTER)
- Working with Filter Context (FILTER and ALL)
- Working with Filter Context (ALLEXCEPT)
- Working with Filter Context (Totals)
- CALCULATE and Time Intelligence (YTD and MTD)
- CALCULATE and Time Intelligence (Rolling 12 Months Total)

- CALCULATE and Time Intelligence (Rolling 3 Month Average Total)
- Semi-Additive Measures (Overview)
- Semi-Additive Measures (Opening and Closing Balance)
- Row Context (Understanding Row Context and Context Transition)
- Row Context (Working with Iterator Functions)
- Security (Implementing Basic Security)
- Security (Dynamic Security)
- Security (Implementing Basic Security – Tabular)
- Security (Dynamic Security – Tabular)
- Role Playing Dimensions (Multiple Table Import)
- Role Playing Dimensions (USERRELATIONSHIP)
- Advanced DAX Function (CONTAINS)
- Advanced DAX Function (FIND)
- Advanced DAX Function (SEARCH and SUBSTITUTE)
- Advanced DAX Function (ALLSELECTED)
- Advanced DAX Function (RANKX)

4 Publishing

- Sharing Options Overview
- Publish from Power BI Desktop
- Publish to Web
- Share Dashboard with Power BI Service
- My Workspace vs Groups (Power BI Pro)
- Content Packs (Power BI Pro)
- Print or Save as PDF
- Row Level Security (Power BI Pro)
- Export Data from a Visualization
- Publishing for Mobile Apps
- Export to PowerPoint
- Sharing Options Summary

Understanding Data Refresh

- Personal Gateway (Power BI Pro and 64-bit Windows)
- Replacing a Dataset
- Troubleshooting Refreshing

Options for Publishing from Excel

- Pin Excel Elements to Power BI
- Connect to Data using Power BI Publisher/Analyze in Excel
- Excel 2016 Publish: Upload and Export to Power BI
- Sharing Published Excel Dashboards

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Power BI Report Server

- Class Introduction
- Getting Started (Power BI Desktop)
- Getting Started (Licensing)
- Installation
- Configuration
- Deployment (Publish to Report Server)
- Deployment (Uploading from Report Server)
- Deployment (Folder Structure)
- Scheduling a Data Refresh
- Security (Row Level Security)
- Security (Assigning Power BI Report Permissions)
- Planning a Web Farm Architecture

Each topic is covered with real time case study and Project

Also Available

- Internships - Paid / Free
- Internship certifications on successful completion
- Final year Collage Projects on Latest Skills
- Special Project batches
- Collage Seminars