



# MICROSOFT POWER BI ADVANCED

# SQUAREONE

## COURSE OVERVIEW

### OBJECTIVES

Learn how to create and customise reports in Power BI with the ability to drilldown into the data in a model, drill-through reports by using amazing data visualisations including maps, tables, slicers and charts.

You will also learn how to refresh your data manually and at pre-set intervals together with setting security and data permissions.

### DURATION: 2 DAYS

#### Report Building

- Introduction to DAX
- Implicit vs Explicit Measures
- Creating Measures & Calculated Columns
- Commonly Used DAX Functions
- SUM, AVERAGE, COUNT, DISTINCTCOUNT
- Time Intelligence (MTD, QTD, YTD, Prior Year)
- Understanding 'CALCULATE' and the filter context
- Using Quick Measures
- Types of Slicers and Filters
- Using Field, Format, Analytics Pane
- Building Tabular Reports
- Replicating Excel Pivot Tables
- Types of Conditional Formatting
- Optimizing the Matrix Layouts
- Creating and Using Parameters

#### Report Functionality

- Adding Drill-Downs
- Creating Drill-Through Reports
- Filtering Reports by Relative Dates
- Viewing the Underlying Data Driving a Visualization
- Customizing Report Visual Interactivity
- Exporting Data from Power BI
- Choosing Visuals Based on Context
- Using Custom Visuals
- Optimizing the use of Maps
- Getting Value from Scatter, Ribbon & Bullet Charts

#### Optimising Your Report Design

- Adding & Optimizing Tool Tips
- Visual Alignment Tips
- Custom Page Sizing
- Using Logos & Custom Icons
- Formatting Tips & Tricks

#### Governance & Distribution

- Understanding Row Level Security
- Creating and Testing Security Roles
- Publishing Models to the Cloud Service
- Basic Sharing of Dashboards & Reports
- Creating App Workspaces
- Adding Users & Editing Workspaces
- Connecting to Apps / MS Teams

#### Scheduled Data Refreshing

- Overview of the Data Gateway
- Scheduling Data Refreshes
- Refreshing On-Demand

