# Bridging Big Data Analytics using Excel & Power BI

**Course Code:**
ASKBB8

**Course Duration:**
2 days (16 hours), 9:00am – 5:00pm

**Course Fee:**
$900 ($981 Inc. 9% GST) per participant
No SDF grant

**Course Dates:**
https://asktraining.com.sg/course-schedule/

## Course Synopsis

Power BI is a business analytics solution that lets you visualize your data and share insights across your organization, or embed them in your app or website. Connect to hundreds of data sources and bring your data to life with live dashboards and reports.

## Prerequisites

You must have attended Excel Advanced course or have been using Excel for the past three years continuously, with working knowledge on Excel formulas and functions, manage data sets and Pivot Tables.

This course provides you a good understanding of big data analysis with Power BI. You will learn how to transit from Microsoft Excel to Power BI Desktop, creating visualizations, and using the Power BI Services. You will also learn the benefits of shifting reporting in Excel to Power BI.

## Course Objectives

At the end of the course, you will be able to:

- Recognize key terminology, phases, concepts and benefits of data analytics
- Import, shape and clean up data set before analysis
- Execute advanced summarization techniques with pivot tables
- Set up Power BI Desktop
- Create data visualizations to build and share reports
- Build and share dashboards in Power BI Service

# Course Outline

### Overview of Big Data Analytics

- Common terminologies
- Key concepts and benefits
- Main phases of data analytics

### Importing and Shaping Data Set

- Importing data
- Eliminating duplicate records
- Cleaning up data
- Setting up tables
- Filtering with slicers

### Advanced Summarization using PivotTable

- Changing method of aggregation
- Displaying multiple aggregation
- Displaying values using built-in calculations
- Applying frequency analysis
- Filtering with report filter, slicer and timeline

### Setting Up in Power BI Desktop

- Connecting to data sources
- Establishing the data model
- Clean and transform data

### Creating Data Visualizations

- Understanding reports and dashboards
- Setting up common visualizations
- Applying conditional formatting

### Building and Sharing Reports

- Setting up reports
- Adding calculations and measures
- Adding interactivity features
- Creating summary charts
- Publishing report to Power BI Service
- Sharing report

### Building Dashboards in Power BI Service

- Creating and configure a dashboard
- Sharing a dashboard Dependencies
- Setting a Password in Access
- Compacting and Repairing a Database