# Microsoft Excel

## PREREQUISITES

- This course is suitable for those who have attended @ASK Training's "Introduction to Power Query, Power Pivot, Data Model and DAX".

## DURATION

- 📅 **2 Days**
- 🕐 **9 AM - 5 PM**

## COURSE DATES

https://asktraining.com.sg/course-schedule/

## FULL COURSE FEE

**S$1090** *(inclusive of 9% GST)*

Course Code: **ASKEDP**

# Excel Dynamic Power Query and Power Pivot Time Intelligence DAX

## Course Description

This course is tailored for professionals from both technical and non-technical backgrounds who aim to harness the power of large data sets for critical decision-making. Participants will learn to:

- Utilize Excel Power Query to normalise data and create dynamic data models and queries.

- Apply DAX and its time intelligence functions to perform calculations and aggregate data across various time periods, including days, months, quarters, and years.

## Course Objectives

- ✅ Normalise tables and create effective data models for data analysis.

- ✅ Understand basic M language for editing purposes.

- ✅ Convert static queries into dynamic queries using parameters.

- ✅ Consolidate data using the Group By feature in Power Query.

- ✅ Create and utilize Date/Calendar Table.

- ✅ Understand and apply DAX and its Time Intelligence functions for conducting time-based analysis.

- ✅ Use Power Pivot Data Model and tools to create dashboards that facilitate decision-making by highlighting key data insights.

# Course Outline

## Power Query

- Normalise tables with Power Query
- Understand Basic M Language
- Explore Group By Features
- Create Dynamic Query with Parameter

## Power Pivot

- Formulate Calculated Columns and Measures
- Difference between Implicit and Explicit Measures
- Work with Date/Calendar Table
- Must Know DAX Functions:
  1. Understanding Expression
  2. Calculate, Filter
  3. CountRows, DistinctCount
  4. X Functions : Sumx, Averagex, Countx
  5. All, AllExcept, AllSelected
  6. Error Handling

## Create Time Intelligence DAX for Data Analysis

- PreviousYear & NextYear
- DateYTD & TotalYTD
- FirstDate & LastDate
- DatesBetween
- Closing/OpeningBalance
- DateAdd
- ParallelPeriod

## Apply Power Pivot Useful Tools

- Named Sets
- Hide from Client Tools & Perspectives
- Hierarchies

## Understand CUBE Functions