



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/microsoft-office-courses/excel-dynamic-power-query-and-power-pivot-time-intelligence-dax/#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