

Course Description: Learn to use the Power Pivot add-in to store, analyze and visualize large quantities of data from multiple sources. Learn to use the Power Pivot Data Model to create and format dynamic reports and charts, create calculated columns, use Power Pivot DAX functions, create relationships.

Module 1: PowerPivot Introduction

- What is Power Pivot?
- Enabling PowerPivot
- Understand the PowerPivot Interface
 - The PowerPivot Ribbon Tab
 - The PowerPivot Window
- Exploring an Existing Workbook

Module 4: Introduction to DAX

- What is DAX?
- Data Types and DAX
- How DAX is used in PowerPivot Tables
- DAX Syntax
- DAX Operators
- Using DAX Expressions in Calculated Columns
- Looking Up Values from Related Tables
- Understanding "Context"
- Creating Measures
- Creating KPIs

Module 2: Building a Data Model with Power Pivot

- Creating the Data Model
 - From Excel
 - From External Data Sources
 - Filtering Data before Importing
- Refreshing Data
- Editing Data Source Properties
- Saving Data
- Table Relationships
- Renaming Data Columns
- Hiding Columns
- Sorting & Filtering Data
- Combining Data from Multiple Sources

Module 5: Creating Pivot Charts

- Basic Chart Creation
- Choosing & Changing Chart Types
- Setting Chart Properties
- Connecting Slicers to Pivot Charts
- Using Sparklines

Module 3: Creating Reports with PowerPivot Data

- Creating a PivotTable with PowerPivot Data
- Using the PowerPivot Field List
- Refreshing PivotTable Data
- Creating Year and Month Columns
- Setting up a Month Sort Column
- Filtering the PivotTable
- Using Slicers & Timelines to Filter Data
- Drilling Down
- Flattened Pivot Tables
- Formatting the PivotTable