Course Outline

Excel Data Analysis Using Power Pivot and Pivot Tables (2016)

Days: **1**

Prerequisites:

To ensure your success in this course, you should have experience working with Excel and working with tables/lists of organized data. You should already understand spreadsheet concepts. Prior experience creating and analyzing basic PivotTables will be helpful..

Overview:

We are now living in the age of big data. Data is being collected all the time and for increasingly detailed transactions. This can lead to an overwhelming amount of data, which brings about a need for people who can analyze large amounts of data quickly. Fortunately, Excel provides Power Pivot to help you organize, manipulate, and report on your data in the best way possible. Since a tool is only as good as the person using it, it is important to gain a solid understanding of Power Pivot to maximize your effectiveness when analyzing data. Along with this, the need to analyze that data and gain actionable insight is greater than ever. Being able to harness the power of advanced PivotTable features and create PivotCharts will help you to gain a competitive edge. You will not only be able to summarize data for you to analyze, but also organize the data in a way that can be meaningfully presented to others. This leads to data-driven business decisions that have a better chance for success for everyone involved.

Course Objectives:

Upon successful completion of this course, you will be able to use Power Pivot along with Excel's PivotTables and Pivot Charts to analyze data from a variety of sources. You will:

- Get started with Power Pivot.
- Visualize Power Pivot data.
- Work with advanced functionality in Power Pivot.
- Prepare data for PivotTable reporting and create PivotTables from various data sources.
- Analyze Data Using PivotTables.
- Work with PivotCharts.

Course Content:

Unit 1: Getting Started with Power Pivot

- Enable and Navigate Power Pivot
- Manage Data Relationships

Unit 2: Visualizing Power Pivot Data

- Create a Power Pivot Report
- Create Calculations in Power Pivot

Unit 3: Working with Advanced Functionality in Power Pivot

- Create a Key Performance Indicator
- Work with Dates and Time in Power Pivot

Appendix A: Commonly Used DAX Functions

Unit 4: Preparing Data and Creating PivotTables

- Prepare Data
- Create a PivotTable from a Local Data Source
- Create a PivotTable from Multiple Local Data Sources
- Create a PivotTable from an External Data Source

Unit 5: Analyzing Data Using PivotTables

- Summarize PivotTable Data
- Organize PivotTable Data
- Filter PivotTable Data
- Format a PivotTable
- Refresh and Change PivotTable Data

Unit 6: Working with PivotCharts

- Create a PivotChart
- Manipulate PivotChart Data
- Format a PivotChart