

VBA Advanced for Excel 2013 (2-day)

Recap the Basics

- Recording Macros vs Writing VBA code
- VB Environment
- Creating, editing, documenting simple sub procedure
- Working with Module Sheets
- Overview of Objects, Properties and Methods
- Creating and declaring Variables
- Data types
- Variable Scope
- Creating User Defined Functions
- Creating and declaring Object Variables
- Program Flow and Control
 - Decision Structures
 - Loop Structures

Working with the Range Object

- Range Objects Defined
- Referencing Ranges using VBA
- Dynamic Range Handling
- Copying or Moving Range Data
- Creating Array Variables

Working With Data in Excel

- Importing Data into Excel
- Data Types and Formatting
- Validating Data
- Filtering and Sorting Data with VBA
- Excel Tables
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Conditional Formatting with VBA

- Applying and writing VBA conditional format rules
- Working with Icon sets and data bars

Creating Pivot Tables with VBA

- Creating Pivot Cache with VBA
- Creating single and multiple Pivot Tables

VBA to create and work with Charts

Working with the Excel Interface

- Working with Page and Print Options
- Controlling Visual Elements of a Workbook
- Workbook Sharing and Track Changes
- Workbook Security using VBA

Managing Files and Folders

- FileSystemObject
- Managing Folders from Excel
- File Management Tasks using Excel
- Working with File Properties and Attributes from Excel
- Reading a Text File from Excel

Working with Forms and Controls

- Understanding UserForms
- Using the Toolbox
- Working with a Form's Properties, Methods and Events
- Working with Form and Control Properties, Methods and Event
- Working with Form Controls
- Setting the Tab Order
- Populating a Control
- Adding Code to Controls

Debugging and Handling Errors

- Understanding Errors
- Using Debugging Tools
- Setting Breakpoints and Using Break Mode
- Stepping Through Code
- Trapping Errors with the On Error Statement
- Understanding the Err Object
- Working with Inline Error Handling
- Writing an Error-Handling Routine