# Advance VBA Training Syllabus

Introduction to Excel

Introduction to Programming VBA Overview and the IDE Quick Review of Macros Working with Macros

How to use Visual Basic Editor (Programming Environment)



An easy-to-use and versatile language

Integrated with off-the-shelf products



The Visual Basic Editor Parts of the VBA Editor Modules and Macros

About VBA Forms, Sub Procedures & Modules Creating Forms

Using Controls and their Properties Runnig VBA Forms in Excel



Objects – The Grammar

Using Properties and Methods Understanding Parameters The Object Browser

Understanding object hierarchy Tools for better coding

Moving to Other Cells Editing Specific Cells



How and when to declare variables

Selecting data types Fixed and dynamic arrays Constants



IF (Else If, Else)

Select Case() For Next Loop For Each Loop()

Do Until Loop and Do While Loop With, End With

Nesting Code



Creating Sub and Function procedures

Calling procedures

Passing arguments to procedures



Communicating with the user through the message box Gathering user information with the input box

Utilizing the File Dialog object and Dialogs collections



Using the Immediate Window

Gaining greater control through the immediate window Formatting Cells

Using Variables Constants Object Variables

Dimensioning and usage of variables

Displaying data and obtaining data from the user



Command buttons List and Combo boxes Labels

Option buttons Check boxes Text boxes Frames

Adding more functionality with advanced ActiveX control



Using Font Property in cells

Using Various Background Properties in Excel VBA Creating a Counter

String Handling

Using Left, Right, Mid and Len Functions in VBA Range Selection and Manipulation



Workbook and Worksheet Object Range Object and Cell Properties Methods and Properties Assigning Objects

Using Name Arguments



What is Array& why use array Declaring an Array

Sorting Data in Array 2-Dimention Array Dynamic Array UBourd

Storing Data in a range of an Array Elements Using various array functions



Using Excel Worksheet Functions in VBA VBA Functions

User-Defined Functions

Adding Help to User Defined Functions Declaring Variables in User Defined Functions Using Ranges in User Defined Functions

Creating and Managing an Add-in for User Defined Functions



Run Time Error GoTo line GoTo 0

GoTo 1 Resume Next



Copy Hyperlinks and Text from a webpage to Spreadsheet



Communicating with Word and PowerPoint using Excel VBA



Simplifying user interaction with the Command Bar object

Adding and removing CommandBarControl objects