APSOL TRAINING

MS Excel VBA - 1 day

Prerequisites
In order to successfully master Excel VBA, MS Excel Advanced must have been completed.
The user must be confident with at least 80% of the course material from the Excel Advanced Course.

Visual Basic Editor
- Visual Basic for Applications
- Discussing VBA
- Examining the VBE window
- Object Programming
- Examining the Properties window
- Changing the object properties
- Using code to change object properties
- Using a method
- Associating VBA code with an event
- Executing VBA code by using a button
- The Object Browser
- Examining the Object Browser
- Searching in the Object Browser

Programming basics
- Data
- Discussing data types and variables
- Discussing and declaring variables
- Using operators
- Using the interaction functions
- Scope of variables
- Understanding procedure and module-level scope
- Understanding public scope
- Scope of procedures
- Creating a Sub procedure
- Calling a Sub procedure
- Creating a Function procedure
- Calling a Function procedure

Control structures
- Decision structures
- Using the If…Then statement
- Using the If…Then…Else statement
- Using the If…Then…ElseIf statement
- Using the Select Case statement
- Loop structures
- Using the For…Next loop
- Using the For Each…Next loop
- Using the Do While…Loop

Custom dialog boxes
- User forms
- Adding a user form
- Adding controls to a user form
- Events
- Attaching an event handler to a control
- Validating data by using event handlers

Debugging and error-handling
- Errors
- Discussing types of errors
- Debugging
- Discussing debugging tools
- Setting a breakpoint
- Adding a watch expression
- Using Step Into
- Deleting a watch expression
- Working with the Immediate window
- Working with the Locals window
- Error-handling