EXCEL VBA

Introduction

This comprehensive course is designed to teach students how to save time in Excel with the easy-to-use VBA programming language and macros. The course uses real-world examples that teaches you how to record or edit custom macros, write complete routines from scratch, and fully understand the Excel Visual Basic language with ease.

Who Should Attend:

Advanced users needing to develop integrated automated solutions in Microsoft Excel using macros and manually program or edit advanced macros within the visual basic environment. This course will provide essential skills to understand the VB language from beginner to Intermediate level.

Prerequisites:

Prior attendance on the advanced Excel course, or a very thorough knowledge of the product, is recommended for all delegates.
The course is 100% hands-on and no previous programming experience is required as course content covers from beginner Macro recording to programming in the VBA environment.

Course Content

Excel Macro's
- Recording Visual Basic "Macros"
- The Visual Basic Environment
- Understanding the Visual Basic Language
- Assigning Code to Buttons, Menu's & Toolbars

Writing Visual Basic Code
- Procedures
- Sub & Function Statements
- Private Procedures
- Named Arguments

Variables
- What is a variable?
- Dim, Public, Private Statements
- Variable Scope
- Naming Conflicts

Automatic Format and Reporting
- Importing Data
- Format Data and Worksheets
- Coding a Report output e.g. PivotTable

Visual Basic Objects
- Understand Properties of an Object
- Apply a Method (Action)
- Control a Collection of objects
- The Object Browser
- Performing Multiple Actions on an Object

Control Structures
- Using Logic to control code
- If…Then…Else
- Select Case
- For…Next
- Do…Loop

User Forms and Interface Controls
- Create user-friendly User Forms / Dialog Boxes
- Use Controls e.g. Checkbox, Buttons, Scrollbars
- The Forms Toolbar

Testing & Debugging Applications
- Starting, Halting & Tracing Execution
- Working with Breakpoints
- Trouble-shoot Macros and Code

Error Handling & Trapping
- On Error Statement
- Excel Built in Error Values

Building an Automated Excel Project
- Create a fully automated Spreadsheet from start to finish
- Make a user-friendly interactive form for data entry
- Apply, Filters and generate reports from a single click

Duration: 2 Day Course

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