

Introduction to Excel VBA (2 days)



Prerequisites:

Knowledge of Excel up to Advanced level. No prior knowledge of Excel macros or Visual Basic for Applications (VBA) is required. If delegates already have such knowledge then the course could be suitably tailored to meet requirements, by concentrating on more advanced topics.

Note:

This course is designed to concentrate on the programming aspects of Excel, notably macros and Visual Basic for Applications (VBA).

Exercises

This course is instructor led, involving the utilisation of examples and exercises in a workshop environment.

Recording macros

- Avoiding the common problems
- Understanding the limitations
- How to run a Macro
- Customising toolbars
- Assigning shortcut key

Editing recorded code

- Finding and reading the code
- Modules
- Comments
- Keywords
- Statements

The Excel Object Model

- The rules of grammar and syntax
- How to apply these rules
- Accessing other Object Models

Functions

- Creating and using functions on worksheets and in VBA code

Debugging

- How to respond to an error
- The debug window
- The watch window
- The immediate pane

Dialog boxes/forms

- Designing and building forms
- Adding controls
- Showing, controlling and interacting with your user built dialog box
- Input boxes
- Message boxes

Looping

- For-Next loop
- Do-Loop
- Nested Loops

Variables

- Using and declaring variables to store data

Making decisions

- If statement
- Block-If statement
- Else-If
- Select-Case

Event driven procedures

- Triggering macros automatically with workbook or form events