

<b>Introduction to the Course</b>	A two-day course aimed at delegates who want to learn about VB for Applications within Excel. To look to automate routine Tasks by using MACROS and discover there use.
<b>Objectives</b>	<b>To enable you to plan and create Sub routines, using MsgBox, Inputbox, Forms. Controlling workbooks by using events, control structure, Debugging code and creating Error Handlers.</b>

## Course Content

### Getting Started

Introducing Visual Basic for Applications  
 Displaying the Developer Tab in the Ribbon  
 Recording a Macro  
 Saving a Macro-Enabled Workbook  
 Running a Macro  
 Editing a Macro in the Visual Basic Editor  
 Understanding the Development Environment

### Procedures and Functions

Understanding Modules  
 Creating a Standard Module  
 Understanding Procedures  
 Creating a Sub Procedure  
 Calling Procedures  
 Using the Immediate Window to Call Procedures  
 Creating a Function Procedure  
 Naming Procedures  
 Working with the Code Editor

### Understanding Objects

Understanding Objects  
 Navigating the Excel Object Hierarchy  
 Understanding Collections  
 Working with Properties  
 Using the With Statement

### Variables and Intrinsic Functions

Understanding Expressions and Statements  
 Declaring Variables  
 Understanding Data Types  
 Working with Variable Scope  
 Using Intrinsic Functions  
 Understanding Constants  
 Using Message Boxes  
 Using Input Boxes  
 Declaring and Using Object Variables

### Controlling Program Execution

Understanding Control-of-Flow Structures  
 Working with Boolean Expressions  
 Using the If...End If Decision Structures  
 Using the Select Case...End Select Structure  
 Using the Do...Loop Structure  
 Using the For...To...Next Structure  
 Using the For Each...Next Structure

### Working with Forms and Controls

Understanding UserForms  
 Using the Toolbox  
 Working with UserForm Properties, Events, and Methods  
 Understanding Controls  
 Setting Control Properties in the Properties Window

### Debugging Code

Understanding Errors  
 Using Debugging Tools  
 Setting Breakpoints  
 Stepping through Code  
 Using Break Mode during Run mode  
 Determining the Value of Expressions

### Handling Errors

Understanding Error Handling  
 Understanding VBA's Error Trapping Options  
 Trapping Errors with the On Error Statement  
 Understanding the Err Object  
 Writing an Error-Handling Routine  
 Working with Inline Error Handling