Microsoft Office Excel 2013: Programming with VBA

Course Duration: 2 days

Prerequisites:
>   Proficient knowledge of Microsoft Excel, knowledge of PivotTables
>   helpful but not required.

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
>   Using Visual Basic Help
>   Closing the Visual Basic Editor
>   Understanding Macro Security

Working with 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
>   Using the Object Browser
>   Working with Properties
>   Using the With Statement
>   Working with Methods
>   Creating an Event Procedure

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Using Expressions, Variables, and Intrinsic Functions:

Understanding Expressions and Statements
Declaring Variables
Understanding Data Types
Working with Variable Scope
Using Intrinsic Functions
Understanding Constants
Using Intrinsic 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
Guidelines for use of Control-of-Flow Structures

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
Working with the Label Control
Working with the Text Box Control
Working with the Command Button Control
Working with the Combo Box Control
Working with the Frame Control
Working with Option Button Controls
Working with Control Appearance
Setting the Tab Order
Populating a Control
Adding Code to Controls
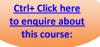Launching a Form in Code

Working with the PivotTable Object:

Understanding PivotTables
Creating a PivotTable Using Worksheet Data
Working with the PivotTable Objects
Working with the PivotFields Collection
Assigning a Macro to the Quick Access Toolbar

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**For more information, or to book your course, please call Sense IT on 0870 4296445
Or visit our web site –www.sensetraining.co.uk**

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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