MERCURY

Microsoft Office with VBA Programing

05 - 09 May 2024
Kuala Lumpur (Malaysia)

Istanbul - Turkey: +90 539 599 12 06
Amman - Jordan: +962 785 666 966
London - UK: +44 748 136 28 02

Microsoft Office with VBA Programing

Ref.: 15227_251967 **Date:** 05 - 09 May 2024 **Location:** Kuala Lumpur (Malaysia) **Fees:** 4500 **Euro**

Targeted Audience:

This course is aimed at individuals with a basic grounding in Excel VBA and an advanced knowledge of Microsoft Excel to develop skills with introducing more sophisticated automation into their workflows.

Course Objective:

- Variable types
- Using object variables to represent worksheets and workbooks
- Using count-based For-Next and conditional based Do-Until, Do-While loops
- If-Then-Else-End If and Select Case statements
- With blocks
- Using Range and Cells objects
- Benefits
- Upon completion of the course delegates will have a good understanding of the major components of VBA.
- Delegates will expand their reach by being able to use VBA to communicate with other Office applications, such as Word.
- In addition, the course also covers working with data from database applications such as Access, and manipulating and presenting the data.

Course Outline:

Unit 1: The Excel Object Model

- Exploring the Range object in detail
- The versatile Current Region object
- Working with collections of Workbooks and Worksheets
- Manipulating Charts through VBA
- Manipulating PivotTables through VBA

Unit 2: Arrays:

- Efficient variable storage with arrays
- Array optimization
- Dynamic arrays
- The Array function

Unit 3: Triggers and Events:

- Running macros automatically
- Executing macros on a timer
- Associating macros with other Workbook events

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Unit 4: Advanced Parameters:

- Passing parameters by reference and by value

Unit 5: Working with Text Files:

- Importing text files
- Exporting text files
- Using the FileStream object

Unit 6: Linking with Office:

- Connecting to other Office applications
- Working with other Office applications

Unit 7: Linking to data sources using ADO:

- Understanding ActiveX Data Objects
- Using Excel to communicate with other data sources
- Understanding the connection string
- Adding, reading, modifying and deleting data

Unit 8: Add-Ins:

- How macro security works
- Password protecting your code
- Distributing macros via an Add-In

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Registration form on the :
Microsoft Office with VBA Programing

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