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Microsoft VBA Macros Syllabus

VBA Macros

Learnwell Technocraft's VBA Macros course will help to write macros in Excel using programming language Visual Basic Application (VBA). Edit Recorded Macros or learn to write your own functions and procedures, design forms and ActiveX controls on the worksheet.

Audience:-

Program is scheduled for Advanced Microsoft Excel users. VBA is a programming language, requires aptitude for programming.

Prerequisites:-

Participants attending this training should be familiar with the advanced operations in Microsoft Excel.

Course Objective:-

After completion of this program, the participants will be able to the following:

- Write macros to automate routine work.
- Create functions and procedures.
- Design and use forms for data entry.
- Create simple reports.
- Use ActiveX Controls and Form Controls on the Worksheet

Topics Covered:

The Visual Basic Editor

- Editing macros using VBA Editor
- Understanding the project explorer
- Exploring windows properties
- Modifying code in code window

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- Debugging code

Programming Fundamentals

- Variables, data types and constants
- Arrays
- Object Variables
- Conditional structures (If Then, Select Case)
- Logical Operators
- Looping constructs (For loops, Do loops, while... Wend)
- Built-in functions
- Creating Subroutines

Excel Object Model

- Working with objects – properties, events and methods
- Application objects
- Workbook objects, Worksheet objects and Range objects
- Charts objects
- Pivot table objects

User Forms

- Creating forms

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- Form events
- Creating custom menus and toolbars
- Creating Add-ins

Active X

- Using Active Controls, Command Buton, Combobox, Combolist , CheckBox, Option Button, Label on the Worksheet

Examples

- Time Sheet
- AutoSave Workbook
- Interest Rate Calculator
- Multi-Form Scenerio
- Dynamic Range Data Update on a worksheet

Project

A project to automate course Inquiry at a training Center.