

VBA FOR MICROSOFT EXCEL

Technical Hands-on Workshop

Enhance your skills on Excel

Introduction

This course will teach programming concepts and how to add functionality to a Microsoft Excel using Microsoft Visual Basic® for Applications.

At Course Completion

At the end of the course, students will be able to:

- Use the programming capabilities of Microsoft Visual Basic for Applications in Microsoft Excel applications to write custom functions and event-driven procedures.
- Validate data.
- Find and trap errors.
- Loop through the collection of cells and worksheets to process some calculation.

Prerequisites

Before beginning this course, students should be able to:

- Extensive understanding of Microsoft Excel or previous version of Microsoft Excel
- Basic programming knowledge in Visual Basic.

Training Duration

2 Full Days

Course Outline

Module 1

Make a Macro Do Simple Tasks

- Creating a Simple Macro
- Changing Multiple Properties at Once
- Manipulating Recorded Properties
- Editing A Recorded Macro

Module 2

Make a Macro Do Complex Tasks

- Task One : Importing a Report file
- Task Two : Filling In Missing Labels

Module 3

Explore Workbooks and worksheets

- What is an object?
- Understanding Workbooks
- Understanding Worksheets

Module 4

Explore Range Object

- Referring to a Range
 - Enhancing Recorded Selections
 - Entering Values and Formulas into a Range
 - Formatting a Range
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Module 5

Control Visual Basic

- Using Conditionals
- If-Then-Else
- Select-Case

Creating Loops

- Do...Loop
- For...Next
- For Each...Next

Module 6

User Define Function and Error Trapping

- Creating a Custom Function
- Type Of Errors
- Error Handling

Module 7

Launch Macros with a Click

- Creating Command Buttons
- Assigning Macro to Button

Program Schedule

Day/Time	Day 1	Day 2
9am-10.30am	Module 1	Module 5
10.30am-11.30am	Module 2	Module 5
11.30am-12.30pm	Lunch	Lunch
12.30pm-1.30pm	Module 3	Module 6
1.30pm-2.30pm	Module 4	Module 7
2.30pm-4pm	Q&A,Summary	Q&A,Summary

About Elite Indigo

Elite Indigo Consulting provides corporate training to the semiconductor and manufacturing industries. With a humble beginning of one founding member with passion and desire to share his 20 years of experiences in Smart Manufacturing for global manufacturing facilities, now, we have a strong and competent team of 20 members, all aligned with company mission, vision and core values.

Our Mission

"Transform Data into Insights - Leap Forward"

Our Vision

Be a Global Trusted Advisor in the Areas of Skills Development, Consultancy & Software Solutions specialising in Semiconductor & Manufacturing industries.

Our Core Values

TRUST

"A culture of self, team and clients trust"

PASSION

"Do what we love and love what we do"

EXCELLENCE

"If it's worth doing, it's worth doing it well"

