

**Course Title: Visual Basic Version 6.0**

**Duration : 5 days**

This five-day training program introduces the participants to the fundamentals of the Java programming language, and shows them the steps to develop simple Java applications. It familiarizes them with the basic constructs of Java, as well as its object-oriented features and concepts.

### **Program objectives**

This VB training course will provide with understanding of the following topics in details which can be helpful to develop desktop applications

- Introduction to Visual Basic
- Understanding various Controls
- Database communication

### **Prerequisites**

Participants should have Knowledge of any Programming Language, but it is not mandatory.

### **Audience**

This training program is for the participants who are fresher to visual basic. The course coverage and pace would vary slightly, depending on the composition of the batch. If the training is for a batch of participants who are new to any programming language, then even the basic language constructs would require more detailed explanation and practice work, and coverage of some of the later, advanced topics would be curtailed.

### **Set-up Requirements**

Computer with the following software

- Microsoft Visual Studio 6.0
- Database (MS Access / Ms Sql Server 7.0 / Oracle)

### Day-wise Breakup

| Day   | Module    | Topics                               |
|-------|-----------|--------------------------------------|
| Day 1 | Module 1  | Getting Started with Visual Basic    |
|       | Module 2  | GUI Application                      |
|       | Module 3  | Basics of Visual Basic               |
| Day 2 | Module 4  | Array and Collection                 |
|       | Module 5  | String and Date functions            |
|       | Module 6  | Other Controls, Menu and MDI         |
| Day 3 | Module 7  | Advance Controls                     |
|       | Module 8  | Database Programming                 |
| Day 4 | Module 9  | Data Report                          |
|       | Module 10 | File Handling                        |
| Day 5 | Module 11 | Creating Activex Library and Control |
|       | Module 12 | Deployment                           |

## Course Contents

### Module 1: Getting Started with Visual Basic

- Introduction to VB
- Features of VB
- Creating Project
- Understanding the VB IDE

### Module 2: GUI Application

- Creating Sample Form
- Understanding form's Properties, methods and events
- Using Basic Controls (e.g. label, text, commandbutton etc.)
- Understanding control's Properties, methods and events
- Creating Forms with controls

### Module 3: Basic of Visual Basic

- Data Types and Variables
- Scope and Usage
- Conditional Statement
- Looping Statement
- Standard Module
- Procedure and functions
- User define data type
- Error Handling and debugging

### Module 4: Array and Collection

- Working with Array
- Control Array
- Collection

### Module 5: String and Date Function

- Various String Functions
- Various Date functions
- Sting and Date Formatting

### Module 6: Other Controls, Menu and MDI

- OptionButton, Checkbox, Frame, Combobox, Listbox, Scrollbar, Timer, Picture, Image, Line, Shape
- Introduction to Menu Builder
- Creating Popup menu
- Difference between SDI and MDI
- Creating MDI application

### Module 7: Advance Controls

- Flexgrid control
- CommonDialog Control
- RichTextBox
- Mask Edit Control
- Windows Common Control (Treeview, Listview, Toolbar, Statusbar etc.)

### Module 8: Database Programming

- Active Data Object (ADO)
- ADO Hierarchy
- ADO Object
- Connection
- Recordset
- ADO Data Control and Library
- Using Navigation Button
- Updating Data (insert, update, delete)
- Using DataGrid Control
- Introduction to DataEnvironment and command
- Using Hierarchical FlexGrid Control

### Module 9: Data Report

- Introduction to Data Report
- Understanding Report Designer
- Creating Simple Report
- Creating Group Report
- Report with aggregates
- Parameter report

### Module 10: File Handling

- Using controls (DriveListBox, DirListBox, FileListBox)
- Using file function
- OLE

### Module 11: Crating Activex Library and Control

- Class Module
- Difference between DLL and EXE
- Creating Activex class library program
- Creating Activex Control
- Creating Complex Control using properties, methods and events

### Module 12: Deployment

- Creating setup file
- Installing on client machine
- Run and Test the application