

# Visual Basic Programming

## Session 1: Introduction

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1. IDE of VB Project Explorer, Toolbox, Properties windows.
2. Form Designing, Form Layout, Immediate Window.
3. Visual Development and Event-Driven Programming Methods and Event concept of VB Project.
4. Type of VB Project Creating Forms and Code Modules.
5. Running the Application, showing and Hiding, controlling one Forms with another.

## Session 2: Visual Basic Variables

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1. Variables – Declaring variables.
2. Types of variables Scope and lifetime of variables, Constants.
3. Arrays, Types of arrays, Dynamic Array.
4. Collections, Procedures – Subroutines.
5. Functions, control flow statements and conditional statements.
6. Loop Statements, Designing Menus and Popup Menus, Using standard Module.

## Session 3: The Test Box Control

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1. The Text Box control – Text Selection, Search and Replace operations.
2. The List Box and Combo box Controls.
3. The scroll bar and slider controls, using the common dialog box controls.
4. Color common dialog box.
5. Font common Dialog Box, the file open and save common dialog boxes, the file controls.

## Session 4: Graphic on VB

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1. Graphics with Visual Basic.
2. Form Picture Box and Image Box Controls Sizing Images.
3. Loading and saving Images.
4. Coordinate Systems.
5. Scale Properties and Graphics Method.
6. MDI-Parent & Child form.
7. Menus in MDI application.

## Session 5: Database Programming with VB

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1. Database Programming Using Visual Data Manager: Specifying Indices & Entering Data with Visual Data Manager.
2. The ADO control & Dataware control – ADO object model.
3. Using ADO control.
4. Establishing a connection and execution of SQL statements.

## Recommended Books

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1. Evangelos Peroutsos, Mastering in Visual Basic, BPB Pub. I st Edition-1993.
2. R. Sahoo, Beginners guide to VB6, Khanna Pub. I st edition-2000.