

Advanced Java Pune University Syllabus

- **Introduction to VB**

- Object Oriented Concept
- Event Driven Programming Language
- Working with properties
- Studying the Events of a Form
- Working code for events
- Planning the Design

- **Constants, Variables , Operators, Control Structure,**

- **Looping & Array**

- Constant
- Data Types
- Number , long ,Boolean ,doubles ,variant,
- String
- User defined data types
- Variables
- Operators
- Control Structures
- If, If....Else, Nested If....Else
- Select Case, Looping, Do Loop, While Loop, Until Loop
- For Loop, With Statement
- Array
- Single Dimensional Array
- Multidimensional Array
- Control Array
- Functions(Built in and user defined)

- **Working with Controls**

- Adding controls on form
- Working with Properties and Methods of each Controls
- Creating an application
- Creating MDI application
- Working with Multiple Forms
- Loading, Showing & Hiding Forms
- Setting the Startup form
- Creating forms in Code
- Using the MDI
- Arranging MDI Child Window
- Opening new MDI child window

- Creating Properties in a form
- Creating a method in a form

- **Working with ActiveX Controls & Menus**

- Creating Status Bar For your program
- Working with Progress Bar
- Working with Toolbar
- Setting up the Image List Controls
- Adding and Deleting Images with code
- Study of Different Dialog Boxes
- Menus
- Creating new Menu Item
- Modifying & Deleting Menu Item
- Adding Access Characters
- Adding Shortcut Keys
- Creating Sub Menus
- Pop-up Menus
- Creating pop-up menu
- Displaying pop-up menu
- Adding & Deleting Menus At Run-time
- Adding Menu Items for MDI Child Form

- **Working With Database**

- Data Control
- Studying the Properties and methods of Data Control
- Connectivity with MS-Access
- Operations of database through coding
- ADO Data Control
- Advantages of ADODC over DC
- Studying the properties and Methods of ADODC
- Connectivity with MS-Access
- Connectivity with Oracle
- Report Generation
- Developing ADO application through ADODC and coding
- Report Generation