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Visual Basic .NET Syllabus

Module 1: Introduction

- Intro to .Net Framework
- Intro to visual studio
- Running Program in visual Studio
- Running Program through Command Line
- Keyword and variables
- Input and output

Module 2: Data Types

- Creating variables of different data types
- Size and range of data types
- Type conversion functions

Module 3: Operator

- Arithmetic Operator
- Relational Operator
- Logical Operator
- Bitwise Operator
- Assignment Operator

Module 4: Decision Making

- If then
- If then Else
- If Then Else If
- If Then If Else
- Select Case
- Nested Select Case

Module 5: Loops

- For loop
- While loop

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- Do while loop
- Do until loop
- For Each in loop

Module 6: Array

- Creating Array
- Dynamic Array
- Multidimensional Array
- Jagged Array
- Array class

Module 7: Function

- Creating function
- Passing values to function
- Returning Value from function
- Passing array to function

Module 8: Subroutine

- Creating Sub Routine
- Function of main sub
- Passing parameter by value
- Passing parameter by Reference

Module 9: Date & Time

- Creating Date Object
- Using Date Time Structure and its function
- Using Date Time Class and its function

Module 10: String

- Creating String
- Using Properties of String Class
- Using Function Of String Class

Module 11: Collection

- Array List
- Hash Table

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- Sorted List
- Stack Queue
- Bit Array

Module 12: Exception Handling

- Exception Class
- Handling Exception
- Creating User Defined Exception

Module 13: File Handling

- I/O Classes
- FileStream Class
- Creating file
- Reading from and writing to file

Module 14: Regular Expression

- Regex Class
- Creating Pattern
- Using Regex Class Methods

Module 15: Class and Objects

- Creating class and Object
- Member Function
- Encapsulation
- Constructor and Destructor
- Shared Members
- Inheritance

Module 15: Basic Controls

- Form
- Control Properties and Event
- Label
- Textbox
- Button
- Radio Button
- Check Box

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- List Box
- Combo Box
- Picture Box
- Progress Bar
- List View
- Tree View
- Date Time Picker
- Scroll Bar

Module 16: Dialogue Box

- Open File Dialog
- Save File Dialog
- Print Dialog
- Colour Dialog
- Font Dialog

Module 17: Form

- Win Form
- WPF form
- Adding Menu
- Adding Sub Menu
- Menu Strip
- Tool Strip Menu Item
- Context Menu Strip
- Adding Functionalities to Menu

Module 18: Event Handling

- Handling Mouse Events
- Handling Keyboard Events

Module 19: Database Connectivity

- Connecting form to database
- Storing data to database
- Accessing Data from Database

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