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Course Syllabus: Certificate in VB.NET

Batch Name: VB.NET

Eligibility: 10th

Course Start: 1st of Every Month

Course Duration: 60Hours

Courses / Modules Paper

Paper 1
VB.NET

Module 1:

Paper 1: VB.NET

1: Introduction to Programming & VB
1.1 An Introduction to Visual Basic
1.2 Features of VB.NET
1.3 Environment Setup
1.4 Program Structure
1.5 Basic Syntax

2: Fundamental of Programming in VB
2.1 Visual Basic Objects
2.2 Visual Basic Events
2.3 Numbers
2.4 Strings
2.5 Input/Output
2.6 Built -in- Function

3: Decisions
3.1 if...Then Statement
3.2 if...then...else statement
3.3 Nested if statement
3.4 Select case statement
3.5 Nested selected case statement

4: Loops
4.1 Do loop
4.2 for...next
4.3 for... Each...next
4.4 while...end while
4.5 with...end with
4.6 Nested loops
4.7 Loop control statements
  • Exit statement
  • continue statement
  • Go to statement

5: VB Array and Functions
5.1 Array introduction
5.2 Creating array in VB.NET
5.3 Dynamic Array
5.4 Multidimensional Array
5.5 Jagged array
5.6 Function Introduction
5.7 Defining Function
5.8 Function returning value
5.9 Recursion function
5.10 Passing array as function argument

6: VB.NET Classes and Objects
6.1 What is class
6.2 Class definition
6.3 Member function & Encapsulation
6.4 Constructor & Destructor
6.5 Shared memory of VB.NET Class
6.6 Inheritance
6.7 Base & Derived Class

7: Exception Handling
7.1 Introduction
7.2 Try, catch, finally and throw
7.3 Exception classes & .net Framework
7.4 Creating user-defined exception
7.5 Throwing Objects

8: File Handling
8.1 VB.NET I/O Classes
8.2 The FileStream Class
8.3 Advanced File Operations in VB.NET

9: Form in VB.NET
9.1 What is form?
9.2 Control Properties
9.3 Control Methods
9.4 Control Events
9.5 Basic Controls
9.6 Dialog Box
  • Color Dialog
  • Font Dialog
  • Open File Dialog
  • Save File Dialog
  • Print Dialog

10: VB.NET Event Handling
10.1 Mouse Events
10.2 Handling Mouse Event
10.3 Keyboard Events
10.4 Handling Keyboard Events