

Programming with Microsoft® Visual Basic® .NET

Duration – 3 Months

Module 1: Overview of the Microsoft .NET Platform

- What Is the Microsoft .NET Platform?
- What Is the .NET Framework?
- What Are the .NET Framework Components?
- What Are the Visual Basic .NET Enhancements?

Module 2: Development Environment Features

- Describing the Integrated Development Environment
- Creating Visual Basic .NET Projects
- Using Development Environment Features
- Debugging Applications
- Compiling in Visual Basic .NET

Module 3: Language and Syntax Enhancements

- Data Types
- Using Variables
- Functions, Subroutines, and Properties
- Exception Handling

Module 4: Object-Oriented Design for Visual Basic .NET

- Designing Classes
- Object-Oriented Programming Concepts
- Advanced Object-Oriented Programming Concepts
- Using Microsoft Visio

Module 5: Object-Oriented Programming in Visual Basic .NET

- Defining Classes
- Creating and Destroying Objects
- Inheritance
- Interfaces
- Working with Classes

Module 6: Using Windows Forms

- Why Use Windows Forms?
- Structure of Windows Forms
- Using Windows Forms
- Using Controls
- Windows Forms Inheritance

Module 7: Building Web Applications

- Introduction to ASP.NET
- Creating Web Form Applications
- Building Web Services
- Using Web Services

Module 8: Using ADO.NET

- ADO.NET Overview
- .NET Data Providers
- The DataSet Object
- Data Designers and Data Binding
- XML Integration