

VB.Net Introduction – 3 days



Course Objectives

The goal of this course is to teach students how to create a simple Interactive Windows applications using the NET Framework and Visual Basic.NET

At the end of the course, students will be able to:

- Create User Interface Forms.
- Develop structured and commented code for form events.
- To be able to understand OO development techniques.
- To be able to deploy a finished application to a end user.

Prerequisites

Before attending this course, Students should be able to:

- Have a understanding of programming techniques
- Use Windows XP or 2000

Exercises

This course is instructor led, involving the utilisation of examples and exercises in a workshop environment.

Visual Studio.NET

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

Visual Basic Fundamentals

- Event-Driven Programming
- Introduction to Forms
- Introduction to Controls
- Basic Controls
- Working With Code and Forms

Language and Syntax

- Data Types
- Using Variables
- Flow Control
- Functions, Subroutines, and Properties

Debugging

- Types of Errors
- Debugging Logic Errors in VB.Net

Structuring Code

- Form Classes
- Code Modules
- Creating .NET classes

Data Access (ADO.NET)

- Introduction to ADO.NET
- Connecting to a Database
- Using Data Commands
- Using Data Readers
- Data Adapters
- Data Sets
- Editing and Updating Data
- Data Views

Error Trapping

- Trapping Run Time Errors
- Error handling Overview
- Creating Try/Catch Blocks
- Errors and the Calling Chain



Enhancing the User Interface

- Menus
- Status Bar
- Toolbar

Deploying Applications

- Describing Assemblies
- Choosing a Deployment Strategy
- Deploying Applications