

## Visual Basic .NET

**Course Level :** Introduction

**Course Duration :** 5 days

**Prerequisites :** A working knowledge of Windows, manipulation of the Windows desktop and menus. Previous experience of a programming language would also be beneficial.



### ▼ Course Content

#### ○ Course Objectives

#### ○ Overview of the .NET Platform

- .NET Platform
- .NET Framework
- .NET Framework Components
- .NET Enhancements

#### ○ Development Environment Features

- Describing the Integrated development Environment
- Creating Visual Basic .NET Projects
- Debugging Applications
- Compiling

#### ○ Language and Syntax Enhancements

- Data Types
- Using Variables
- Functions, Suroutines & Properties
- Exception Handling

#### ○ Object Oriented Design

- Designing Classes
- Programming Concepts
- Advanced Programming Concepts using MS Visio

#### ○ Object Oriented Programming

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

#### ○ Using Windows Forms

- Why use Windows Forms
- Structure
- Using Controls
- Inheritance

#### ○ Building Web Applications

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

#### ○ Using ADO . NET

- ADO .NET Overview
- .NET Data providers
- The DataSet Object
- Data Designers and Data Binding

- XML Integration

#### ○ Developing Components

- Components Overview
- Creating Serviced Components
- Creating Component Classes
- Creating Windows Forms Controls
- Creating Web Forms User Controls

#### ○ Deploying Applications

- Describing Assemblies
- Choosing a Deployment Strategy
- Deploying Applications