

C# And VB.Net

Introduction to the Visual Studio.Net IDE

- ✓ .NET Framework
- ✓ Visual Studio .Net IDE

Introduction to Object Oriented Concepts

- ✓ Objects
- ✓ Classes

Language fundamentals

- ✓ Introduction to C# and VB.NET
- ✓ Expressions and Control structures
- ✓ Strings and Regular Expressions
- ✓ Arrays and Collections
- ✓ Files and stream I/O and Object persistence
- ✓ XML fundamentals
- ✓ Multithreaded Programming
- ✓ Events and Delegates
- ✓ Reflection and Code Attributes
- ✓ Assemblies and App Domains
- ✓ COM and Windows Interoperability
- ✓ High Performance Programming

Windows Application

- ✓ Introduction to Windows Forms
- ✓ Windows forms User Interface Controls
- ✓ Creating Visually Compelling Windows Forms Applications
- ✓ Consuming Web services
- ✓ Smart Clients
- ✓ Deploying Windows Applications

Web Applications

- ✓ introduction to Web forms and ASP.NET
- ✓ Web UI controls
- ✓ State Management in ASP.NET
- ✓ Caching
- ✓ Advanced ASP.NET
- ✓ Deploying ASP.NET Applications

Data Access

- ✓ Using .NET Data Providers
- ✓ Creating a Custom ADO.NET Data Provider
- ✓ Typed Datasets and XSD
- ✓ Windows Forms Data Binding
- ✓ Web Forms Data Binding

Web Services

- ✓ Introduction to Web Services
- ✓ Using WSE 2.0

Secure Applications

- ✓ Code Access Security
- ✓ Securing Sensitive Data
- ✓ Securing ASP.NET Web Applications
- ✓ Licensing and Intellectual Property

Enterprise and Connected Applications

- ✓ Interface Programming
- ✓ Remoting
- ✓ COM+ Enterprise Services
- ✓ Enterprise Templates

Debugging and Testing

- ✓ Debugging Applications
- ✓ Monitoring Applications
- ✓ Instrumenting Applications