

G++ IN .NET FRAMEWORK

COURSE DURATION:240 HRS

PROGRAMMING WITH MICROSOFT ASP.NET

The Visual Basic Language Essentials

- Introducing ASP.Net
- Creating Web Forms
- Adding ASP.Net Code to a Page
- Handling Page Events
- Discussion: ASP vs. ASP.Net

Using Web Controls

- Using Input Validation Controls
 Selecting Controls for Applications

Using ASP.Net Objects

- **Request Object**
- **Response Object**
- Session Object
- **Application Object**
- Server Object



- Object Context Object
- Properties, Methods, Events and Collections of the above Objects

Creating Master Pages

Consuming Master Pages

Understanding Ajax Controls

- Toolkit Script Manager
- Calendar Extender
- Slide Show Extender
- Tab Container

Using Ajax Controls in a ASP.Net Web application

Using Microsoft ADO.Net to Access Data

- Overview of ADO.Net
- Connecting to a Data Source
- Accessing Data with Date Sets
- Using Stored Procedures
- Accessing Data with Data Readers
- Binding to Extensible Markup Language(XML) Data

Using Trace in Microsoft ASP.Net Pages

- Overview of Tracing
- Trace Information
- Page-Level Trace
- Application-Level Trace

Creating a Microsoft ASP.Net Web Application

- Requirements of a Web Application
- What is New in ASP.Net
- Sharing Information Between Pages
- Securing an ASP.Net Application

Web Services

- Creating a Web Service in ASP.Net
- Consuming a Web service in ASP.Net
- HTTP-GET



- HTTP-POST
- Web Service Description Language
- Web Service Proxy

Calling a Web Service using a Proxy

Configuring an ASP.Net Web Application

Deploying an ASP.Net Web Application

New Features of ASP.Net

- Application-wide registration of custom controls.
- Programmable Configuration.
- Web Part controls.
- Posting to other pages
- SQL Cache Dependency
- Master Pages.
- Visual Studio .Net project model
- Declarative Data binding.

PROGRAMMING WITH VB.NET

The Visual Basic Language Essentials

- Data Types
- Control Statements

Procedures, Functions and Event Handlers

- Exceptions and Validations
- Arrays and Collections
- Windows Forms, and Controls

Dialogs Boxes

Object Oriented Programming

- Creating and Using Classes
- Inheritance
- Polymorphism
- Overloading, Overriding
- Interfaces and Namespaces



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Database Programming

- **Data Sources**
- Using ADO.Net
- Dataset, Data Reader, Data Grids

Reading and Writing Files, XML Documents

Boxing and unBoxing

Methods ,Sub Procedures ,Functions

Working with Windows Forms

Working with Multiple Forms

Using Visual Basic Controls

Handling Mouse Events in Forms

MDI Applications

Debugging VB .NET Applications

User Interface Design Principles

Working various VB.net Controls

Working with Menus

Context Menus

Common Dialogs

Date TimePicker, Month Calendar, Splitter A K 18

Using the StatusBar

User Interfaces and Deployments

Debugging Applications



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