C, C++, Java (core-adv) OCJP, Oracle DBA OCP, Developer, Asp.Net, VB.Net, C data-file structure (DFS), Html, Dhtml, Java Script, Red Hat Linux-RHCSA, RHCE, Sql Server 2012 DBA training from experts

ASP.NET   32 Hours

Course Introduction:

This course aims to make the students capable to develop a web site using well known clientserver technology ASP.NET. Through this course, student will learn the basic concepts of Microsoft client-server technology like CLR, PI, web pages and its different web controls, validation controls, ADO.NET, HTTP objects and file handling.

Objectives:
The student would be able
1) To get the practical knowledge of ASP.NET
2) To develop website using visual studio web development environment.
3) To know the framework architecture of .NET
4) To work with disconnected architecture of ADO.NET and can store and retrieve data easily from database.

1   Introduction

The .Net Platform and the Web
✓ The Pathway to Web Application
✓ The Web Client/Server Model
✓ Components of ASP.NET and the .NET framework
✓ Overview of IIS
✓ Overview of ASP.NET
✓ Language Independence in the .NET framework

Working with ASP.NET
✓ The Features of ASP.NET
✓ The Anatomy of ASP.NET Pages
✓ Introducing Web Forms
✓ Visual Studio IDE Basics
✓ Code-Behind feature

Application Configuration
✓ Over view of Global.asax file and Web.config flie
✓ Web controls for Displaying and Formatting Data
✓ Label
✓ Panel
✓ Table
✓ TableRow
✓ TableCell controls

2   Web Controls
✓ Button , Image Button, Link Button
✓ Textbox
✓ CheckBox
✓ RadioButton
✓ CheckBoxList , RadioButtonList
✓ ListBox , DropDownList
✓ Rich Controls
✓ Calendar
✓ AdRotator

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- ✓ File Upload
- ✓ Other Controls
- ✓ Hyperlink
- ✓ Image
- ✓ Image Map

3   Validation Controls ASP.NET Objects and Data Collection Class

- ✓ Validation Controls
- ✓ Required FieldValidator Control
- ✓ CompareValidator Control
- ✓ RangeValidator Control
- ✓ RegularExpressionValidator Control
- ✓ Introduction to Custom Validator control
- ✓ Data List Controls
- ✓ Repeater Control and DataList Control
- ✓ Introduction of GridView Or DataGrod Control
- ✓ Introduction of FormView and Detail View Contorls
- ✓ Authoring a User Control
- ✓ Login Control
- ✓ LoginView Control
- ✓ LoginStatus Control
- ✓ LoginName Control
- ✓ PasswordRecovery Control

ASP.NET Intrinsic Objects
- ✓ The HttpRequest Object
- ✓ The HttpResponse Object
- ✓ The HttpApplicationState Object
- ✓ The HttpSessionState Object

4   I/O and ADO.NET
- ✓ Handling File I/O
- ✓ Reading Text Files
- ✓ Writing Text Files
- ✓ Binary Files I/O
- ✓ Performing File Operations
- ✓ File Information

5   ADO.NET
- ✓ ADO.NET Programming Objects and Architecture
- ✓ Displaying Database Data
- ✓ Working with The Data Set and Data Table Objects

Note:
- These topics can be covered using any version of .NET framework and Visual Studio. Therefore, there will be NO restriction in using the version available with the institute.
- VB.NET programming language should be used with ASP.NET
- Database should be any version of Ms Access or SQL Express Edition

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