

ASP .net Training for Web Application

Duration: 45 Days

Fee: Rs 8,500 only

Web Designing Syllabus:(HTML5,CSS3,JavaScript) .

C# .net Syllabus:-

Developing Console Application (Introduction to Project and Solution in Studio ,Entry point method - Main. ,Compiling and Building Projects ,Using Command Line Arguments , Importance of Exit code of an application ,Different valid forms of Main ,Compiling a C# program using commandline utility CSC.EXE)

Programming Object Oriented – (Write a class and add field members to the class ,Create an Object of the Class and understand the difference between object and reference. , Access the members of the object ,Copy the reference in another reference variable. , Abandoning the object. , Working with Methods ,Working with Properties ,Constructor & Destructor. ,Working with "static" Members) **Exception Handling** (What is Exception , Rules for Handling Exception ,Exception classes and its important properties ,Understanding & using try, catch keywords , Throwing exceptions , Importance of finally block , "using" Statement , Writing Custom Exception Classes.)

SQL:-Introduction of SQL Server 2008/2012,Data Type , Data Definition Language , Constrain key, On Cascade Update On cascade Delete , Data Manipulation Language-,Where clause ,join –Cross join, Inner join, Outer join (Left outer, Right outer, Full outer) ,Sub Queries (Nested Queries).

ASP.NET Syllabus

Web Programming Introduction:(Understanding role of Web Server and Web Browser. ,Brief about HTTP Protocol. ,HTTP Request structure. ,Form Tag and comparison between Get and Post methods. ,HTTP Response Structure.)

Introduction to ASP:(Introduction to ASP. ,Types of Path. , Examples using Response object of ASP. ,Working with FORM tag. ,Important Points about the FORM submission. ,Few more examples. , Problem with ASP.)

ASP.NET Introduction & Sample Programs(How to create and run the first ASP.NET application. ,Understanding the code generated by VS.NET. ,Example Programs. , Understanding AutoPostBack. , Types of Server Controls a. HTML controls. b. Web Server Controls. ,Exploring Server Controls.)

Validation Controls: (BaseValidator ,ValidationSummary ,RequiredFieldValidator ,CompareValidator ,RangeValidator , RegularExpressionValidator ,CausesValidation Property of Button, Grouping Controls for Validation)

Applying Themes and Styles to Controls(Working with CSS , Using Themes to Customize a Site , Named Skins within a Theme ,Server-side Styles using Themes ,Contents of a Theme and Skin ,Themes and Profiles)

ASP.NET Architecture(What is AppDomain , Life cycle of a WebForm when requested by a client. ,How does a control manages its state ,EnableViewState property , Event Handling in WebForms , Writing / Using Custom Classes in WebApplication)

Page Navigation Options(Response.Redirect , Server.Transfer ,CrossPagePostBack property of Button(a. Accessing controls of PreviousPage, b. Accessing Properties of PreviousPage, c. PreviousPageType page directive)

Creating a Layout Using Master Pages(Why Master Pages. , Significance of ContentPlaceHolder Tag in MasterPage and Content Tag in WebForm. ,How a control of MasterPage can be accessed /programmed in WebForm.(a. Master.FindControl, b. Public property in MasterPage and <%@MasterType directive in WebForm.), Load and LoadComplete events of the Page and MasterPage classes. , Understanding ClientID and UniqueID properties.)

User Control: (Creating a UserControl. ,Adding a UserControl to the WebForm. ,Register – Directive. ,Loading

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UserControl Dynamically. ,Usage ofPage.ClientScript.RegisterClientScriptBlock Method .)

ASP.NET State Management(Need for state management , Static members in Webform ,Global Class in App_Code folder ,ViewState ,HiddenField , QueryString , HttpContext ,HttpCookie and Cookie Dictionary ,HttpSessionState ,HttpApplicationState)

Databound Controls(Rendering Table o/p using SqlDataAdapter and SqlCommandReader , SqlDataSource , GridView ,DetailsView , FormsView , DataList , Repeater , ListView)

Creating Virtual Directory & Web Application (What is Web Applications & Virtual Directory , Using VS.NET creating Web Application with Location as IIS. , How to create a Virtual Directory & Web Application in IIS , Advantages of Web Application , Steps for moving Web Application created using File System to IIS , How to use Virtual Directory which is not a WebApplication.)

Understanding Configuration File - Web.Config : (Importance of web.config , Managing Application Settings. ,Handling Errors / Custom Errors. ,URL Re-Writing. ,Tracing of Page Life Cycle. ,ConfigSource attribute ,Location Section , Updating Web.Config Programmatically.) .

Web Caching (Overview , Page Output Caching , Page Fragment Caching , Data Caching , SQL Cache Invalidation a. Notification-based Invalidation b. Polling-based Invalidation , Expiration Policies and Cache Dependencies) .

Authentication & Authorization (Authentication & Authorization , Windows Based Authentication ,Form Based Authentication ,Authorizing Users and Roles ,Impersonation , Using Login Controls , ASP.NET 2.0 Membership and Roles , Securing Non-ASP.NET files). **Globalization and Localization** (Request and Response Encoding , Local and Global Resources , Implicit Expressions to Local Resources , Explicit Expressions to Local Resources , Programmatic Access to Global Resources , Localizing Static Content , Storing Language Preferences , Right to Left Mirroring)

AJAX.NET(Architecture ,Working with AJAX Pro ,Using AJAX.NET Controls(a. Accordion, b. Calendar ,c. CascadingDropDow ,d. CollapsiblePanel ,e. FilteredTextBox ,f. NumericUpDown, g. ModalPopup, h. PopupControl)

Note: Project work is mandatory after the completion of the training program.