

# Certificate in ASP.Net

CCE offers many job oriented computer courses.”Certificate in ASP.Net” is one of the CCE approved course. The detailed contents of this course is in the attachment.

COURSE CODE : CCE-CC7

ELIGIBILITY : 10th

DURATION : 4 Months

SYLLABUS

## ASP.NET

### Web Architecture

- The Way the Web works , The Asp.net difference , Client-Side Processing , How Asp.net Ties It Together

### Setting up and Installing ASP.NET

- Installing Internet Information Server , IIS Manager , Creating virtual/home directory , Folder Settings , Adding a virtual directory to your neighborhood , Installing .Net Framework SDK

### Overview of the ASP.NET Framework

- Asp.net and the .NET Framework , Common Language Runtime , .Net Framework Class Library , Understanding Namespaces , The Structure of asp.net Page , Directives , Code Declaration Blocks , Code Render Block , C# fundamentals

### Using the Standard Controls

- Displaying information , Label Controls , Literal Controls , Accepting User Input , Textbox controls , RadioButton And RadioButtonList Controls , CheckBox And CheckBoxList Controls , Submitting Form Data , Button controls , LinkButton Control , ImageButton Control , Displaying Images , Image Control , Using Panel Control , Using Hyperlink Control

### Using the Validation Controls

- RequiredFieldValidator Control , RegularExpressionValidator Control , CompareFieldValidator Control , RangeValidator Control , ValidationSummary Control , CustomValidator Control , Disabling Validation , Creating a LengthValidator Control , Creating a AjaxValidator Control

### **Using the Rich Controls**

- Accepting File Uploads , Saving files to file system , Saving files to database , Uploading Large files , Displaying a calendar , Creating a popup date picker , Rendering a calendar from a database table , Displaying advertisements , Storing advertisements in XML files , Storing advertisements in database tables

### **Designing Websites with master pages**

- Creating master pages , Creating default contents , Nesting master pages , Using images and hyperlinks in master pages , Registering master pages in web configuration

### **Overview of Data Access**

- Using DataBound Controls , Working with List Controls , Working with tabular DataBound Controls , Working with Hierarchical DataBound Controls , Working with other Controls , Using Data Source Controls , Using ASP.NET parameters with data source controls , Using programmatic DataBinding , Understanding Templates and Databinding Expressions , Using templates , Using DataBinding Expressions , Using 2 way DataBinding Expression

### **Using SQLDataSource Control**

- Creating database connections , Connecting to MSSQL Server , Connecting to ORACLE and MS Access , Storing connection String in web configuration file , Executing Database Commands , Executing inline SQL Statements , Executing Stored Procedures , Filtering database rows , Changing the datasource mode , Handling SQL Command execution errors , Executing Insert , Update and Delete commands , Executing select commands

### **Using List Controls**

- Overview of the List Controls , Declaring List Items , Binding to a Data Source , Determining the selected List Item , Appending data items , Enabling automatic post backs , Using the Items Collection , Working with the DropDownList control , Working with the RadioButtonList control , Working with the ListBox control , Working with the CheckBoxList control , Working with BulletedList control , Summary

### **Using the Grid View Control**

- GridView Control fundamentals , Displaying Data , Selecting Data , Using Data Keys , Sorting Data , Paging through Data , Editing Data , Displaying Empty Data , Formatting the GridView Control

### **Using Repeater Controls**

- Using Repeater Control , Displaying data with the Repeater Control , Using Templates with the Repeater Control

### **Using the Login Control**

- Overview of Login Controls , Using Login Controls , Automatically Redirecting a user to the Referring Page , Automatically Hiding the Login Control from Authinticated Users , Authenticated Users , Using a Template with Login Control