



अखिल भारतीय सूचना प्रौद्योगिकी संगठन
All India Information Technology Association
New Delhi

WORK RELATED TO MINISTRY OF INFORMATION TECHNOLOGY (GOVT. OF INDIA)

CERTIFICATE IN ASP.NET

Eligibility : 10 th	Duration : 4 Months
Course Code : CR-15	

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



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RadioButtonList control , Working with the ListBox control , Working with the CheckBoxList control , Working with BulletedList control , Summary

Using the GridView 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 Authenticated Users , Authenticated Users , Using a Template with Login Control



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