



ASP.NET

## ASP.NET LEVEL-1

### Who should do this course?

For anyone who wants to learn to build websites on the Microsoft ASP.NET platform, from hobby-related sites, to new, modern, and fully commercial webs. ASP.NET is a unified Web development model that includes the services necessary for you to build enterprise-class Web applications with a minimum of coding. ASP.NET is part of the .NET Framework, and when coding ASP.NET applications you have access to classes in the .NET Framework. You can code your applications in any language compatible with the common language runtime (CLR), including Microsoft Visual Basic and C#. These languages enable you to develop ASP.NET applications that benefit from the common language runtime, type safety, inheritance, and so on.

### Prerequisites for the course

Microsoft Windows operating system,  
Basic Computer Programming Skills

## Course Contents

[30Hrs]

- ⇒ Overview of the ASP.NET
  - Introduction of different Web Technology
  - What is Asp.Net
  - How Asp.Net Works
  - Use of visual studio
  - Different Languages used in Asp.Net.
- ⇒ Framework
  - Common Language Runtime (CLR)
  - .NET Framework Class Library.

## ⇒ Coding Standards

- Overview of coding standards follows during programming

## ⇒ Asp.Net Standard Controls

- Displaying information
- Label Controls
- Literal Controls
- Bulleted List

## ⇒ Accepting User Input

- Textbox controls
- Radio Button and RadioButtonList Controls
- Check Box and Check Box List Controls
- Button controls
- Link Button Control
- Image Button Control
- Using Hyperlink Control
- Drop Down List
- List Box

## ⇒ Displaying Images

- Image Control
- Image Map Control
- Using Panel Control
- Using Hyperlink Control

## ⇒ Validation Controls

- Required Field Validator Control
- Regular Expression Validator Control

- Compare Field Validator Control
- Range Validator Control
- Validation Summary Control
- Custom Validator Control

#### ⇒ Designing Websites with master pages

- Creating master pages
- Creating default contents
- Nesting master pages
- Registering master pages in web configuration

#### ⇒ Using the Rich Controls

- Accepting File Uploads
- Saving files to file system
- Calendar Control
- Displaying advertisements
- Displaying Different Page view
- Displaying a Tabbed Page View
- Wizard Control

#### ⇒ Overview of Data Access

- Creating database connections
- Connecting to Database
- DataSet & DataTable Features
- Using inline SQL Statements
- Using Stored Procedures
- Executing select commands
- Sql Transaction

⇒ Basic C#

- Data Type and syntax Language Fundamentals
- Classes
- Namespaces
- Object Oriented Programming concepts
- Overview of Asp.Net inbuilt Classes and method
- File Handling

⇒ Using the Grid View Control

- Grid View Control fundamentals
- Displaying Data
- Using Data Keys
- Sorting Data
- Paging through Data

