



ASP.NET

## ASP.NET LEVEL-2

### 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

ASP.NET Level-1

### Course Contents

[30Hrs]

- ⇒ ASP.NET and HTTP
  - Request/Response Programming
  - Http Request Class
  - HTTP Collections
  - Http Response Class
  - Redirection
  - Http Utility Class

#### ⇒ Master Pages

- ⇒ Master Page File
- ⇒ Child Page

- ⇒ Using Themes
  - ⇒ Skin
  - ⇒ CSS
  
- ⇒ ADO.NET and LINQ
  - ⇒ ADO.NET Overview
  - ⇒ .NET Data Providers
  - ⇒ Connections
  - ⇒ Commands
  - ⇒ Data Readers and Connected Access
  - ⇒ Data Sets and Disconnected Access
  - ⇒ Language Integrated Query
  
- ⇒ Web Services
  - ⇒ Basic Structure
  - ⇒ Modules and Handlers
  - ⇒ Creating a Web Services
  - ⇒ Implementing Web Services in an application
  
- ⇒ State Management
  - ⇒ Cookies
  - ⇒ Query Strings
  - ⇒ Session State
  - ⇒ Page Processing
  - ⇒ Understanding the Page Lifecycle
  
- ⇒ Personalization and Security
  - ⇒ Web Configuration Overview



⇒ Security in ASP.NET

⇒ Introduction to ASP.NET AJAX

⇒ Rich Client Applications

⇒ AJAX

⇒ Script Manager

⇒ Update Panel

⇒ AJAX Client Library

⇒ Remote Method Calls

⇒ AJAX Control Toolkit

⇒ Using jQuery with ASP.NET

⇒ Getting familiar with jQuery

⇒ Using jQuery with AJAX

⇒ Deploying ASP.NET Web Applications to IIS

⇒ IIS Architecture Using IIS7

⇒ Visual Studio Deployment

