ASP.NET Course Content

Total Duration = ~50 Hours with 2 Options

a. **5 Week Days 2 Hours/Day = 5 Weeks**
b. **Saturdays/Sundays 3 Hours/Day = 8 Weeks**

Introduction

- ASP.NET Development Model
- Web Forms, Server Controls
- Validation Controls
- State Management
- Page Framework

Master Pages

- Working with Master Pages
- Nested Master Pages
- Master Pages Event Ordering
- Caching with Master Pages

ADO.NET

- Introduction to ADO .NET
- ADO.NET Common Objects
- Datagrid View- Implement CRUD Operations
- SQL Injection Attacks
- Transactions and Concurrency

State Management Techniques

- Introduction to State Management
- Hidden Fields, View State & Control State
- Information Transferring
- Session State, Cookies
- Application State and HttpContext

Javascript, jQuery and AJAX

- Introduction to Javascript
- Using Javascript in ASP.NET
- Introduction to jQuery and AJAX

Caching

- Introduction to Caching
- Types of Caching

User & Server Controls

- Building User Controls
- Working with Server Controls
- Themes, Skins in Custom Controls

Learn with Professionals to Become a Professional

Debugging ASP.NET Applications

- Design Time Support
- Page/Application Tracing
- Debugging
- Writing to Windows Event Log

ASP.NET Configuration & Deployment

- Local and Global Configuration
- Configuration Programmatically
- XCopy Deployment
- Global Assembly Cache (GAC)

LINQ

- Introduction to LINQ
- LINQ Queries
- LINQ Query Operators
- LINQ to Whatever- LINQ to Objects, LINQ to XML, LINQ to SQL and LINQ to DataSet

Web Services

- Introduction to Web Services
- Creating and Consuming Web Services in C#
- SOAP & WSDL
- Asynchronous Calls
- Securing and Caching Web Services

Windows Communication Framework

- Why WCF
- WCF Architecture
- Designing Operation-Oriented Services
- Constructing Resource-Oriented Services
- Developing WCF RIA Services

ASP MVC Framework

- What is MVC Framework?
- Orchestrating Application Requests with Controllers
- Defining the Model
- Mapping URLs for Request Routing
- Razor Views
- Working with Data in MVC Framework
- Ajax with MVC

Entity Framework

- Introduction to Entity Framework
- Entity Data Model
- EntityDataSource Control
- LINQ to Entities

Mini Project (5 Pages)