

ASP.NET

Duration: 45 Hours

Prerequisites

- Knowledge of Programming Language, OOP's Concept.

Course Contents

1. Introduction to ASP.NET

- .NET Framework Architecture
- Common Language Runtime
- Common Type Specification
- Web Configuration File

2. ASP.NET Server Control

- Asp.NET Server Controls
- HTML Controls

3. Validation Controls

- Compare Validator
- Range Validator
- Regular Expression Validator
- Required Field Validator
- Custom Validator
- Validation Summary

4. Master Pages

- Master Pages
- User Controls
- CSS, Skins, Themes

5. ADO.NET

- Database Basics
- Query, SubQuery
- Connecting ASP.NET Application with Database
- DataSet, DataTable
- SqlCommand, SqlConnection, SqlDataAdapter,
- Using Stored Procedure

6. XML Data Access

- XML Introduction
- XML Syntax
- XML Elements
- XML Attributes
- XML Validation
- XML Validator
- XML Viewing
- XML CSS
- XML XSLT

7. State Management & Caching

- Tracing, Caching, Profile Management
- Query String
- View State
- Session
- Application State

8. Web Services

- Creating Web services
- Hosting Web services
- Consuming Web services

9. AJAX

- AJAX Control Toolkit
- AJAX Scripting

10. WCF

- Creating WCF
- Hosting WCF
- Consuming WCF

11. WPF

- Understand the Windows Presentation Foundation Framework Architecture & Design Concepts
- Use WPF built-in Controls from Visual Studio

12. Windows Workflow Foundation

- Understand the WF Concept.
- Develop Workflows in WF 4.0 using both the IDE Designer and Code API.

13. Testing & Deployment

- Unit Testing
 - Publishing Application
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