



Training: Web Development with .NET

1: Introduction to Web Applications

- Html Basic Tags
- Javascript
- CSS
- Introduction to Server Side and Client Side Scripting
- Web Page Designing using HTML and JavaScript
- Overview of Asp.Net 4.0
- Overview of Request Life Cycle

2: Introduction to Server Controls

- Consume Standard Controls.
- List Controls
- PostBack issue handling
- Dynamically adding Controls to webform
- Navigation Controls
- File upload control
- Multiview control
- Wizard control
- AdRotator
- Webparts

3: Customizing Web Applications

- Themes and Skins
- Master Pages and Content Pages
- Using Style Sheets

4: Developing and using Webforms Controls

- Creating Web Forms Application
- Handling Images
- ASP.NET Handler to generate images dynamically
- Navigating between Pages
- Using SiteMapPath
- Using TreeView
- Using Menu

- Managing Server Controls
- Server Control Events

5: Implement Server Controls

- Create and consume User Control
- Create and consume Custom control
- Create and consume composite control

6: State Management

- Managing Session and Application
- Passing complex data using session variable
- View State
- Profile
- Query Strings
- Managing Cookies

7: Designing and Implementing Databases with SQL Server 2008

- Introduction to RDBMS and Database Normalization
- Creating Tables and Relationships and constraints
- SQL Fundamentals
- Stored Procedures

8: Managing Database with ADO.Net Entity Framework

- Entity Data Model
- Linq to Entities
- Work with Model and not data
- Data manipulation with Entity Framework
- Data-bound controls
- Model First with Entity Framework
- Entity Data Source

9: Developing MVC Models and Controllers

- Exploring ways to create MVC Models
- Implementing MVC Controllers
- Creating Action Methods
- Implementing MVC Views

10: Introduction to WCF

- Service Oriented Architecture
- Building WCF Service.
- Building WCF Client Application.

11: Authentication and Authorization

- Configuring ASP.Net Membership and Roles
- Anonymous Authentication and Impersonation
- Windows Authentication
- Forms Authentication

12: Language Integrated Query

- Introduction to Linq
- Implicitly typed local variable
- Anonymous types
- Linq to Objects
- LINQ to XML

13: AJAX

- Introduction to AJAX
- Basic Asp.Net Ajax Controls- AJAX extension controls
- script Manager
- UpdatePanel
- Timer
- AJAX control tool kit
- Accordion
- TabContainer
- AJAX Control toolkit extenders
- AlwaysVisibleExtender
- Calendar Extender
- BulletedListExtender
- ConfirmButtonExtender
- TextBoxWaterMarkExtender
- MaskEditExtender
- DragPanelExtender
- FilteredTextBoxExtender
- PasswordStrength

14: Introduction to jQuery

- Introduction to Silver light
- Introduction to Silverlight
- Introduction to XAML
- Using Silverlight Controls
- Using Silverlight Navigation Application
- Programming Silverlight applications

- Creating Silverlight WCF Services

15: Introduction to Mono and cross platform .NET development

- Configuring and Deploying Web Applications
- Publishing Web Applications
- Create Web Setup Project
- Using Copy Web Tool