

# WEB APPLICATION DEVELOPMENT

This ASP.NET training class teaches experienced developers the C#.NET/VB.NET, ADO.NET skills they need to successfully build database-driven Web applications and Web Sites. It will guide how to build web-based enterprise applications using ASP.NET and Visual Studio. It will also give the comfort to the attendees developing the Web Services using .Net framework in Service-oriented Architecture.

## Course Highlights:

- Gain a thorough understanding of the philosophy and architecture of Web applications using ASP.NET
- Acquire a working knowledge of Web application development using Web Forms and Visual Studio.
- Optimize an ASP.NET Web application using configuration, security, and caching
- Access databases using ADO.NET and LINQ
- More recent ASP .NET features
- Implement rich client applications using ASP.NET AJAX
- Customize Web applications through the use of HTTP handler
- Advanced framework WCF,WPF,MVC



## Career Options :

- Software Engineer
- Web Developer
- Server Developer
- Application Analyst
- Software Developer
- Programmer
- Asp.net Coader

## LEVEL : 1

### C#

- An Introduction to C#
- Classes and Objects
- C# - Types , Events, Properties, and Methods
- C# - Flow Control and Exceptions
- C# and the CLR,
- C# and Generics
- C# and LINQ
- C# and the DLR
- Object Oriented Programming with C#
- Functional Programming with C#

### Web Design

- Web Application (.ASPX Applications)
- HTML 5
- CSS 3
- JavaScript
- Standard Controls with effect of CSS
- Validations with and without JavaScript
- Master Pages
- Page Navigations

### ASP .NET

- ASP.NET:
- Web forms in ASP.NET , States
- Validation , Login , ASP.NET Administrative
- Learning about SQL basics and advanced queries
- ASP.NET Data controls
- Ajax Extensions , 3 Tier Architecture
- Working with XML data , Web Services

## LEVEL : 2

### LINQ

- ADO.NET (DATA BASE APPLICATIONS)
- Data Controls , State Managements
- Variables & Cookies)
- Minor Project . Ajax Controls (Ajax Toolkit)
- Crystal Reports , Web Services
- Mail Sending in .NET, Encryption & Decryption ,
- Connectivity using XML , LINQ
- Client Server architecture

### ADO .Net

- ADO.NET (DATA BASE APPLICATIONS)
- Data Controls
- State Managements (Sessions, Query Strings, App.
- Variables & Cookies), Minor Project
- Ajax Controls (Ajax Toolkit)
- Crystal Reports
- Web Services
- Mail Sending in .NET

### AJAX

- ASP.NET AJAX
- Understanding AJAX Technology
- How AJAX Works
- Building a ASP.NET Page with Ajax
- Using Update Panel Control
- AJAX Server Controls
- AJAX Control Toolkit
- Downloading and Installation

# Advanced Concepts

## WCF

- **Windows Communication Foundation(WCF)**
- WCF Configuration
- Hosting WCF Services in Windows Services
- Hosting WCF Services in IIS
- Building Restful services with WCF
- **Windows Workflow Foundation(WF)**
- Introducing Windows Workflow Foundation
- Programming workflows in WF
- Writing custom activities in WF

## MVC

- **ASPNET MVC**
- Creating a Complete ASPNET MVC 4 Application
- Using the Razor View Engine
- Industrial-Strength ASP.NET MVC Applications
- View Techniques , Implementing Navigation
- Additional Techniques
- Using AJAX and jQuery with ASP.NET MVC
- ASP.NET MVC & LINQ - working with Data
- ASP.NET MVC 4 Techniques & Best Practices
- ASP.NET Web API with MVC

## WPF

- **Windows Presentation Foundation(WPF)**
- Windows Application using WPF
- Controls, Menus
- Data Binding
- Data Template
- Resources & Themes
- Styles , Commands
- Navigation-Based Applications
- Animation and Media

## SQL SERVER

- **SQL SERVER Database**
- The History of SQL Server and relational databases
- Installing and configuring SQL Server
- SQL Server data storage management
- SQL Server Security management
- SQL Server Backup & Recovery
- SQL Server database Replication

## LIVE Project

### Project Execution Practically

- Development of Project
- Requirement Analysis
- Using Controls practically
- Client Handling
- Presenting Projects

## SERVER INTEGRATION

- **Server Integration**
- Publish website on server
- IIS Installation
- Publish Website or Web application on server
- Create Test server
- Create Domain , Create Hosting
- Create Database on Server
- Upload File On server
- Upload Database on server
- Database Backup and Restore on server
- **Client Project**



No Doubt this training centre provides you the high quality training and takes you to the next level.



I did a Professional Training of ASP.NET from BIT. I got practical knowledge and got opportunity to work on live project. This working experience builds my confidence and I got my dream job.