

## ASP .Net MVC Training



**ASP.NET** is a free web framework for building great Web sites and Web applications using HTML5, CSS3 and JavaScript. You can also create Web APIs, mobile sites, use real-time technologies like Web Sockets and more! **ASP.NET MVC** allows building a web application as a composition of the 3 roles – Model, view and controller (that's exactly from where the MVC comes!!!).

ASP.NET MVC gives a powerful, patterns-based way to build dynamic websites that gives full control over markup for enjoyable and agile development. It is a light weight, highly testable presentation framework, highly bankable & is integrated with existing ASP.NET features.

Wide acceptance & popularity of Microsoft tools & technologies has also given the boost to this framework. Due to its high flexibility as it easily amalgamates traditional & modern concepts to create highly professional & dynamic websites, it is considered as esteemed framework amongst web developers & designers.

Technnovation Labs, the finest training institute impart quality technology training in **ASP.NET MVC framework**. Our syllabus is so well chalked out that after the completion of training you will be able to build highly scalable web applications.

### Course Features

#### 2-3 Hours

Weekends (Saturday/Sunday)  
Trainer interactive training

#### 2 Hours

of Daily practise, assignments by Trainers

#### 300+ Assignments

Various assignments to practise on

#### 30+ Videos

Access to Web Design Video library

#### 100+ PDFs | 100+ PPTs

Access Text based learning resouces

### Course Stats

#### 2 Trainers

Who are Software Programmers in various reputed companies, having 5+ years of Exp.

#### 15 Professionals

Have attended this course

#### 5 Projects

Projects professionals have completed successfully

#### 15 Companies

Companies in which professionals are working

### Ratings

4.9

15 total

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## Features of the courses offered

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- A well chalked out course complete with the basic as well as advanced modules of the program for a better understanding of web development through ASP .Net MVC
- The fun and learn training program ensures that professionals can gain complete control over mark up for dynamic and enjoyable web development
- Lectures conducted by industry professionals who carry with themselves years of experience
- An overview of theoretical concepts with major chunk of the training inclusive of practical hands – on exercises

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## Who all can learn

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All those ASP.NET Web Developers who are looking to leverage the power and flexibility of Microsoft's MVC Framework can attend this training program.

[Enroll for this batch](#)

We always keep ourselves updated about current market trends & needs, but if you think we have not covered enough training topics, then we welcome you to suggest us & we will be more than happy to include them in syllabus.

**Customized Corporate Private Trainings:** We deliver all our courses as [Corporate Training](#) as well - if you are a group interested in the course, this option may be more advantageous for you.

# Course curriculum

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## Introduction to ASP.NET MVC

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- The role of the Model, View, and Controller
- Key benefits of ASP.NET MVC

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## Getting Started with ASP.NET MVC

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- ASP.NET MVC project templates
- Understanding the structure of an ASP.NET MVC project
- Naming conventions
- Creating views
- Defining controllers
- Defining a data model

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## Creating a Complete ASP.NET MVC 4 Application

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- Creating strongly-typed views
- Understanding URLs and action methods
- Using HTML helpers
- Handling form post-backs
- Data validation

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## Using the Razor View Engine

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- Getting started with Razor
- Razor design goals
- Implementing a Razor view
- Razor syntax
- Accessing Model Data in Razor views

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## Industrial-Strength ASP.NET MVC Applications

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- ASP.NET application architecture best practices
- Implementing a Repository and Entity Framework Data Model
- Using Dependency Injection
- Implementing a custom controller factory

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## View Techniques

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- Defining and using custom HTML Helpers

- Defining a layout / MVC Master Page
- Using Styles
- Defining and using partial views
- Razor Helper Method syntax

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## **Implementing Navigation in MVC web apps**

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- Defining view-model classes
- Implementing Data Filtering in a Controller
- Understanding the Routing mechanism
- Adding custom entries to a route table
- Defining defaults, parameters, and validation
- Generating URLs and Hyperlinks
- Custom Route constraints

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## **MVC State Management**

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- Using hidden fields
- Session and Application State
- Custom model bindings

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## **Additional Techniques**

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- View Scaffold Templates
- Controller Scaffold Templates
- Global Filters
- Model binding
- Asynchronous Controllers

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## **Using AJAX and jQuery with ASP.NET MVC**

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- Overview of AJAX and ASP.NET MVC
- Unobtrusive AJAX
- Using AJAX Action Links
- Overview of jQuery
- jQuery Techniques
- Using jQuery UI

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## **ASP.NET MVC & LINQ - working with Data**

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- Language features used in LINQ
- Creating simple LINQ queries
- Using LINQ queries in a Web application;
- Defining a data repository;
- Using LINQ to define a data access component

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## **ASP.NET MVC 4 Techniques & Best Practices**

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- View scaffold templates
- Controller scaffold templates
- Dependency injection

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## **ASP.NET Web API with MVC**

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- Overview of the ASP.NET Web API
- Building servers and clients
- Content negotiation
- Validation
- Query able Interfaces
- Dependency Injection

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## Job Profile

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### What will be your job profile after successful completion of this course

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Once you complete this course, you will be able to systematically build web applications based on the 3 main components of Model, view and control. Get promoted to a very enviable position in your work environment, once you complete this course which is a perfect blend of the traditional as well as modern development concepts. There is a never ending requirement for professional and up to date web developers. So join the bandwagon if you are an experienced and committed ASP.NET developer.

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### Tasks you will be able to perform

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- Do web development perfectly based on the ASP.NET Framework
- Build open source scalable Web applications
- Create highly professional and dynamic web pages and websites

[Enroll for this batch](#)

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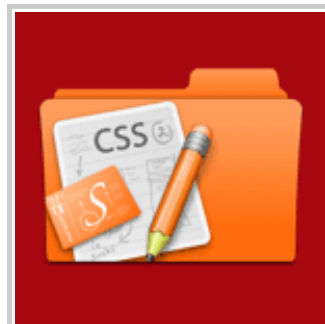
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### Our dotNet MVC Faculty member possess following skills

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- .Net C#
- .NET 4.0 - Windows and Web Application development
- SQL Server 2008 R2 - Experience in creating Stored Procedures, Performance tuning at database level. etc.
- Have Experience in - WCF, WPF, Entity Framework and LINQ. Secondary Skills: Managed Extensibility Framework (MEF)
- Web Services, Sub Version, Resharper
- Design, Build, Unit Test and document Windows and Web Based applications using Microsoft platform and technologies (C#, .NET, ASP.NET, SQL Server, MSMQ, WCF)
- Design, Build, Unit Test and document SOA based applications and Web Services using Microsoft platform and technologies

## Other courses



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## Contact Us

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