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 resources

### 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
Features of the courses offered

- 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

Who all can learn

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 ourselvs 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

Introduction to ASP.NET MVC

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

Getting Started with ASP.NET MVC

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

Creating a Complete ASP.NET MVC 4 Application

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

Using the Razor View Engine

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

Industrial-Strength ASP.NET MVC Applications

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

View Techniques

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

**Implementing Navigation in MVC web apps**

• 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

**MVC State Management**

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

**Additional Techniques**

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

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

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

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

• 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

**ASP.NET MVC 4 Techniques & Best Practices**
• View scaffold templates
• Controller scaffold templates
• Dependency injection

**ASP.NET Web API with MVC**

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

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

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 envious 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.

Tasks you will be able to perform

- 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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Our dotNet MVC Faculty member possess following skills

- .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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