

MVC .NET COURSE CONTENT

Duration: 30 Hours
Prerequisite: C#

Our Strength
Shiva Sir
0731-4069788

MVC.NET Syllabus	<ul style="list-style-type: none">❖ 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 5.0 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 Application ASP.NET application architecture best practices, Implementing a Repository and Entity Framework Data Model, Using Dependency Injection, Implementing a custom controller factory❖ Test Driven Development (TDD) with ASP.NET MVC 5.0 Recap of TDD, Unit Testing Frameworks TDD Hand-on with ASP.NET MVC❖ 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
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❖ **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 5.0 & LINQ – working with Data**

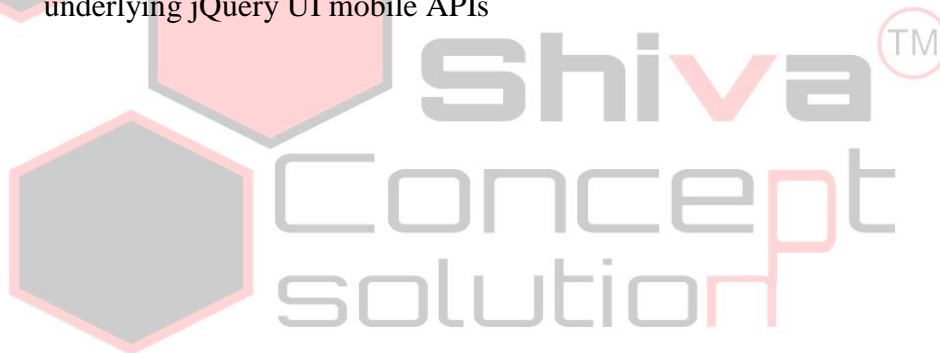
Language features used in LINQ, Creating simple LINQ queries, Using LINQ queries in a Web application, Defining a data repository, Using LINQ to define a data access component

❖ **ASP.NET MVC 5.0 Techniques & Best**

View scaffold templates, Controller scaffold templates, Dependency injection

❖ **Creating Mobile MVC 5.0 Apps**

Overview of the mobile templates, Creating a mobile application, Understanding the underlying jQuery UI mobile APIs



Note: Project is mandatory it will be completed by Current Faculty.

You can check Syllabus if any topic not covers then you can direct contact to management.

