

# ASP.NET MVC5

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Duration :1 month

## Module 1: Exploring ASP.NET MVC5

- Overview of Microsoft Web Technologies
- Overview of ASP.NET 4.5
- Introduction to ASP.NET MVC 5
- describe the Microsoft Web Technologies stack and select an appropriate technology to use to develop any given application.

## Module 2: Designing ASP.NET MVC 5 Web Applications

- Planning in the Project Design Phase
- Designing Models, Controllers, and Views

## Module 3: Developing ASP.NET MVC 5 Models

- Creating MVC Models
- Working with Data

## Module 4: Developing ASP.NET MVC 5 Controllers

- Writing Controllers and Actions
- Writing Action Filters

## Module 5: Developing ASP.NET MVC 5 Views

- Creating Views with Razor Syntax
- Using HTML Helpers
- Reusing Code in Views

## Module 6: Testing and Debugging ASP.NET MVC 5 Web Applications

- Unit Testing MVC Components
- Implementing an Exception Handling Strategy

## Module 7: Structuring ASP.NET MVC 5 Web Applications

- Analyzing Information Architecture
- Configuring Routes
- Creating a Navigation Structure

## Module 8: Applying Styles to ASP.NET MVC 5 Web Applications

- Using Template Views
- Applying CSS to an MVC Application
- Creating an Adaptive User Interface

## Module 9: Building Responsive Pages in ASP.NET MVC 5 Web Applications

- Using AJAX and Partial Page Updates
- Implementing a Caching Strategy

**Module 10: Using JavaScript and jQuery for Responsive MVC 5 Web Applications**

Rendering and Executing JavaScript Code

- Using jQuery and jQueryUI

**Module 11: Controlling Access to ASP.NET MVC 5 Web Applications**

- Implementing Authentication and Authorization

- Assigning Roles and Membership

**Module 12: Building a Resilient ASP.NET MVC 5 Web Application**

Developing Secure Sites

- State Management

**Module 14: Implementing Web APIs in ASP.NET MVC 5 Web Applications**

- Developing a Web API

- Calling a Web API from Mobile and Web Applications

**Module 15: Deploying ASP.NET MVC 5 Web Applications**

- Deploying a Web Application

- Deploying an MVC 5 Application

**Batch Timing: 9 am-5.30 pm / 9 am-1 pm / 1.30 pm-5.30 pm / Saturday Only**