

## **Developing ASP.NET Core MVC Web Applications - MOC On Demand (MS-20486)**

**Modality: On Demand**

**Duration: 2 Days**

**SATV Value: 2**

*This course is for professionals planning to enroll in the 70-486 Exam leading to the 70-486 Certification. The official exam voucher is not included in this course. However, the official exam voucher can be purchased separately on request.*

### **About this Course:**

This course deals with the development of advanced-level MVC Applications on ASP.NET core using the latest technologies and development tools. The teachings of this course emphasize utilizing coding techniques to augment web application scalability and performance.

### **Course Objective:**

The core objective of this course is to help professionals gain conceptual knowledge and a sound understanding of the following key concepts:

- Microsoft Web Technology Stack & Best App Development Technology Selection
- Architecture Design and Web Application Implementation
- Leveraging MVC Application Dependency Injection and Configuring ASP.NET Pipeline
- Adding MVC Application Controllers & Managing Update Models & User Interactions
- Developing Web Applications with Logical Navigation Hierarchy & User-Friendly URLs
- Developing MVC Models and Creating Views for Interacting with Controllers & Models
- Creating Codes Implementing Business Logic and ASP.NET App & Database Connection
- Consistent MVC Application Design and Implementation
- MVC Web Application Optimization with jQuery Script Library
- Configuring Task Runners & Adding Client-Side Packages
- Visual Studio 2017 Debugging Tools & Unit Tests Operation
- Developing MVC Application for Users' Authentication & Authorization
- Accelerating Responses with Cache & Enabling Two-Way Communication with SignalR
- Applications & Uses of Web API and ASP.NET Deployment and Packaging

### **Audience:**

- Professional Web Developers
- Microsoft Studio Visual Professionals
- Students interested in Rendered HTML Management & Advanced App Development
- Candidates striving to Create Websites with Unique Data Access & User Interfaces

### **Prerequisites:**

Professionals planning to enroll in this course must comply with the following set of prerequisites:

- Practical Experience with JavaScript, CSS, HTML, and Visual Studio 2017
- Conceptual Knowledge of JSON and XML Data Structures
- Practical Experience with LINQ, Anonymous Types, & Lambda Expressions
- Familiarity with ADO.NET Data Manipulation & Querying and .NET Framework