

# Developing ASP.NET Core MVC Web



## Why ASP.Net Certifications ?

As websites and applications become more sophisticated, developers are pushed to introduce better tools to help them construct the elements and pages that are dynamic, easy to use, and engaging. They are encouraged to constantly update their skills and keep an eye out for new technologies and industry trends that could change the way they build forever. ASP.NET is one such technology that has consistently seen the demand increase on a regular basis with higher salaries as well. Check out the dates below to enroll for this Developing ASP.NET Core MVC Web Applications course today.

## Training Solutions:

✓ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

✓ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

## Why Learners Prefer CLS as their Training Services provider ?

■ Premium Training Services Accredited from Global Technology Vendors.

■ Best Rated Experts & Certified Trainers in Egypt.

■ Official Training Hours, Practice Labs, Hands-on Learning.

■ CLS Training Classrooms are designed with High Edge PCs and Training Facilities.

■ Return on Training Investment is Guaranteed to boost performance.

## • Developing ASP.NET Core MVC Web Course Outline :

### Module 1: Exploring ASP.NET Core MVC

- Overview of Microsoft Web Technologies
- Overview of ASP.NET 4.x
- Introduction to ASP.NET Core MVC

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

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

### Module 3: Configure Middlewares and Services in ASP.NET Core

- Configuring Middlewares
- Configuring Services

### Module 4: Developing Controllers

- Writing Controllers and Actions
- Configuring Routes

### Module 5: Developing Views

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

### Module 6: Developing Models

- Creating MVC Models
- Working with Forms
- Validate MVC Application

### Module 7: Using Entity Framework Core in ASP.NET Core

- Introduction to Entity Framework Core
- Working with Entity Framework Core
- Use Entity Framework Core to connect to Microsoft SQL Server

### Module 8: Using Layouts, CSS and JavaScript in ASP.NET Core MVC

- Using Layouts
- Using CSS and JavaScript
- Using jQuery

### Module 9: Client-Side Development

- Applying Styles
- Using Task Runners
- Responsive design

### Module 10: Testing and Troubleshooting

- Testing MVC Applications
- Implementing an Exception Handling Strategy
- Logging MVC Applications
- Testing a Model

### Module 11: Managing Security

- Authentication in ASP.NET Core
- Authorization in ASP.NET Core
- Defending from Attacks

### Module 12: Performance and Communication

- Implementing a Caching Strategy
- Managing State

### Module 13: Implementing Web APIs

- Introducing Web APIs
- Developing a Web API

### Module 14: Hosting and Deployment

- On-premise hosting and deployment
- Deployment to Microsoft Azure

## • Overview:

- This Microsoft offered Developing ASP.NET Core MVC Web Applications course caters to advanced web developers looking to enhance their skill set by incorporating .NET Core tools and technologies in order to heighten the way their builds perform and ensure their creations can be built up or down as needed without having to build from scratch.
- Professionals within the web development industry are likely to find this course challenging but beneficial. Microsoft sits at the forefront of technological innovation as it has for decades; this course provides candidates with the perfect opportunity to build a new and necessary set of skills or sharpen existing ones.
- This Developing ASP.NET Core MVC Web Applications training course is intended for professional web developers looking to gain a thorough understanding of developing advanced ASP.NET Core MVC applications using .NET Core tools and technologies. However, the focus will be on coding activities that enhance the performance and scalability of the website application.

## • Training:

- In this 5-day course, the professional web developers will learn to develop advanced ASP.NET Core MVC applications using .NET Core tools and technologies.

## • Audience Profile :

### Who should enroll

- Web Developers
- Visual Studio Users
- Application Developers
- Azure Professionals
- Individuals looking to understand to create websites that separate the user interface, data access, and application logic
- Individuals looking to take up the Developing ASP.NET MVC Web Application

## • Prerequisites:

- Should have knowledge of Visual Studio 2017
- Have experience with C# programming and concepts such as Lambda expressions, LINQ, and anonymous types.
- Understanding of how to use the .NET Framework
- Knowledge of HTML, CSS, and JavaScript
- Have an understanding of querying and manipulating data with ADO.NET.
- Experience of XML and JSON data structures