Course : ASP.NET MVC 6 : Web application development

Practical course - 4d - 28h00 - Ref. MVE
Price : 2100 € E.T.

★★★★⯪ **4,5 / 5**

🎯 Teaching objectives

At the end of the training, the participant will be able to:

- ✅ Create an MVC 6 view and write in Razor
- ✅ Master the routing and controller mechanism
- ✅ Create and use models with Entity Framework
- ✅ Test an MVC 6 application
- ✅ Participants

Course schedule

① » Introduction

- Summary of Web technologies of the .NET framework.
- Cross-Platform - .Net Core/Full .Net - Windows OS, Linux, Mac.
- Overview of the model - view - controller - MVC 6.
- .NET MVC 6 projects in VS 2015.
- Hands-on work ¤Creating an MVC 6 application.

② » Model and controllers

- Modeling your domain.
- Strongly typed views. Data linking.
- Using Entity Framework 7 in MVC 6.
- Implementing actions. Managing models.
- Filter management. Displaying and publishing data.
- Hands-on work ¤Creating models and controllers.

③ » Views

- Razor view engine.
- Dynamic content. Partial views.
- View model. Application of CSS styles.
- Hands-on work ¤Creating views and using BootStrap in MVC 6.

PARTICIPANTS

PREREQUISITES

TRAINER QUALIFICATIONS
The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS
The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES
• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

4 » Routing URLs and exceptions

- URL patterns. Designing the routing.
- Routing customization, routing attributes.
- Setting up tests on the routes.
- Exception management.
- Hands-on work ¤Routing scenarios and MVC 6 navigation structures. Route tests.

5 » Ajax and jQuery

- Ajax Helper and jQuery/jQueryUI.
- Partial updates. Cache management.
- Other optimization techniques.
- Hands-on work ¤Creating JavaScript and Ajax pages.

6 » Validation and security

- Server-side validation. DataAnnotations, alternative techniques, client-side validation.
- Alternative techniques. Client-side validation. Authentication modes.
- Implementing ASP.Net authentication and role management. Auditing the code's security.
- ASP.NET Identity, authentication filters.
- Hands-on work ¤Implementing security.

7 » Structuring a project and dependency injection

- Best practices for development.
- Dependency injections.
- Hands-on work ¤Organizing a project into layers and using dependency injection.

8 » Cross-platform and deployment

- Web and Mobile clients.
- Different types of servers: Cross-Platform.
- Deployment to different environments and Cross-Platform.
- Hands-on work ¤Deploying applications.

Dates and locations

REMOTE CLASS
2026 : 16 June, 16 June, 27 Oct., 27 Oct.

PARIS LA DÉFENSE
2026 : 16 June, 27 Oct.