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ASP.NET MVC4

By [A1Training\(PT\)](#)

Course Name	ASP.NET MVC4
Category	Microsoft Technologies
Mode Of Classes	Online/Offline
Demo Classes	At Your Convenience
Training Methodology	20% Theory & 80% Practical
Course Duration	30-35 Hours
Class Availability	Weekdays & Weekends

For Demo Class

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- Training by highly experienced and certified professionals
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ASP.NET MVC4 Course Content

MVC Introduction

- Introduction
- Getting Started
- Models, Views, Controllers
- Database Migrations
- Showing Data
- Listing data
- Creating data
- Authorization
- About Security
- Deploying To The Cloud
- Summary

Razor and ASP.NET MVC

- Introduction
- Razor's Goals
- Creating A Simple View
- Intermingling Code and Markup
- Models and ViewData
- HTML Helpers
- Partial Views
- Layout Views
- Startup Code
- Configuration
- Summary

Controllers in ASP.NET MVC

- Introduction
- Global Action Filters
- Caching Child Actions
- The ViewBag
- New Action Results
- Request Validation
- Summary

Models in ASP.NET MVC

- Introduction
- Validation in MVC
- Data Annotations
- Custom Validation Attributes
- Self-validating models
- Client validation
- Custom client validation
- Remote validation
- Summary

NuGet Package Management

- Introduction Package Management
- Where Do They Come From?
- Where Do They Go?
- Package Dependencies
- Bootstrapping
- Powershell
- Custom Packages
- Summary

Dependency Resolution in ASP.NET MVC

- Introduction
- Dependency Resolution
- Benefits
- IDependencyResolver
- Controller Injection



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- View Injection
- Activators
- Filter Extensibility
- Model Related Extensibility
- Summary

Web Optimization with ASP.NET MVC

- Introduction
- The Scenario
- Installing
- Configuring Bundles
- Virtual Paths and Relative References
- Rendering Bundles
- Big Bundle Summary

The ASP.NET WebAPI

- Introduction
- Web Services
- Getting started
- Routing
- Content Negotiation
- Parameter Binding
- Implementing GET
- Showing Data
- Implementing PUT
- Implementing POST
- Implementing DELETE
- XML Client
- Summary

Async Await in MVC 4

- Introduction
- Scalability
- Task Parallel Library
- Async Await
- Async Controller
- Async Action Async and Parallel
- Async Timeouts
- Async Exceptions
- Async Testing
- Summary

AJAX with ASP.NET MVC

- Introduction
- Why AJAX?
- Raw AJAX with MVC
- Observations
- AJAX Infrastructure
- Managing Scripts
- Preparing for AJAX
- AJAX Helpers
- AJAX Options
- Partial Page Rendering
- Error Handling
- Beyond the Helpers
- Auto-completion
- Client Validation
- Date Picker
- JSON and MVC
- WCF and MVC
- Conclusion