



- CYU – Check Your Understanding
- LOTW – Learning On The Walls
- PPR – Participant Progress Report
- PTS – Post Training Support (Web)

ASP .NET 4.0

Duration: 5 Days

NEW FEATURES IN ASP.NET 4.5 AND C#

- ❖ Strongly Typed Data Controls
- ❖ HTML5 support and Updates
- ❖ Unobtrusive Validation
- ❖ Client Id Mode generations
- ❖ New Tags and elements in HTML 5
- ❖ Understanding connection between HTML 5, JQuery and MVC
- ❖ Model Binding in ASP.NET Web Forms
- ❖ Asynchronous Page Processing in ASP.NET Web Forms
- ❖ Page Inspector in ASP.NET MVC and ASP.net web forms
- ❖ Introduction to OAuth and security features

MVC 5.0

- ❖ Introduction to MVC
- ❖ What and Why for Asp.Net MVC?
- ❖ What are Model, View and Controller?
- ❖ ASP.Net MVC Architecture
- ❖ Difference between MVC and MVP and MVVM
- ❖ Difference between MVC 4 and MVC 5

NEW AND REFRESHED PROJECT TEMPLATE OF MVC 5

- ❖ ASP.NET MVC vs. Web Forms
- ❖ Routes and URLs
- ❖ Introduction to Routing
- ❖ Defining Routes
- ❖ Route Constraints

ASP.NET ASYNC AWAIT

- ❖ Asynchronous Methods and Actions in ASP.NET MVC 5
- ❖ Understanding parallel programming
- ❖ Writing query in PLINQ
- ❖ Converting normal application in parallel
- ❖ Dealing with Task Parallel Library
- ❖ Understanding why Async and Await is invented in 4.5 Framework
- ❖ Async await
- ❖ Async controller
- ❖ Async action



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- ❖ Async and parallel
- ❖ Dealing with multiple Task with Task.

MVC 5 RAZOR VIEWS

- ❖ Model Binders MVC Views
- ❖ Creating Asp.Net Views.
- ❖ Strongly Typed Views.
- ❖ Views and View Templates
- ❖ Defining Views
- ❖ ViewBag and Model Dynamic Objects
- ❖ ASP.NET View Engine
- ❖ Understanding HTML Helper
- ❖ Dealing with Custom HTML Helper
- ❖ Razor View Engine
- ❖ Dynamic-Typed Views
- ❖ Strongly-Typed Views
- ❖ List Controls
- ❖ Client Side Validation with IClientValidatable
- ❖ Unobtrusive Validation with Javascript
- ❖ Understanding remote validations

MVC 5 MODEL

- ❖ Dealing with data using Entity Framework 6.
- ❖ Creating data driven applications using MVC
- ❖ CRUD operations
- ❖ Listing, Sorting and Filtering data
- ❖ Partials and Master Pages
- ❖ Dealing with MVC in Code First Approach
- ❖ Comparing which approach is better
- ❖ Data first
- ❖ Model First
- ❖ Code First
- ❖ Adding new field in Model and updating database based on that.

MVC 5 SCAFFOLDING

- ❖ View Scaffold Templates
- ❖ Details,List,Edit,Create View Templates
- ❖ Controller Scaffold Templates
- ❖ Entity Framework based controller templates



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- ❖ WebAPI based controller templates
- ❖ Template for controller using Async Actions

ASP.NET WEB API 2

- ❖ Content negotiation and parameter binding
- ❖ Implementing GET, PUT, POST and DELETE
- ❖ Accessing API Data in All kind of Apps
- ❖ Creating and Accessing Service without Proxy at client side.

AJAX WITH MVC 5

- ❖ Client Templates
- ❖ Two-Way Binding
- ❖ Controlling post backs with Ajax Client Template