

Module 1:- Theory of MVC

- Introduction of MVC
- Life Cycle of MVC
- Difference between Web Form and MVC

Module 2:-Controller in MVC

- Introduction of Controller
- Example of Controller
- Mapping with Global file

Module 3:- View in MVC

- Introduction of View with example
- Introduction of Razor Engine
- Work with Form Tag using Action and Method in MVC
- Example of GET and POST Method in View
- Partial and Strongly view

Module 4:- Controller and View

- Relationship between View and Controller
- Access values from View (Controls) in Controller using Form Collection
- Access values from View (Controls) in Controller using Request
- Access values from View (Controls) in Controller using Parameter
- Insertion of Data using View and Controller in Database

Module 5:- Razor View Engine



- Programming syntax in Razor(C#)
- Use of variable in Razor
- Use of condition statement in Razor
- Use of Looping in Razor
- Switching in Razor
- Use of object in Razor

Module 6:- Model in MVC

- ViewBag and ViewData
- Model in MVC
- Strongly View using Model
- Pass data from controller to view and View to controller using model
- TempData in MVC
- UpdateModel and TryUpdateModel
- ModelState
- Model Validation
- Prepare business logic using EF

Module 7:- Work with HTML Helper Classes

- Introduction and Role of HTML Helper classes in MVC
- Controls creating using HTML Helper class like Label, Textbox, ActionLink, DropDownList, Checkbox, button, file uploader etc
- Custom HTML Helper classes

Module 8:-CSS Implementation

- Inline CSS Implementation
- CSS implementation using class(style sheet)

Module 9:- Master Page Implementation

- Implementation of Master Layout
- ViewStart in MVC
- Named Section in MVC

Module 10:-Validation in MVC

- Server Side Validation
- Client Side Validation

Module 11:- Scaffolding in MVC

- Create Form using Scaffolding
- List using scaffolding
- Edit, Update and Delete using Scaffolding
- Implementation of White Listing and Black Listing.
- Implementation of Bind Element.
- Implementation of Interface to achieve while listing

Module 12:- LINQ &Entity Framework (CF)

- Introduction of LINQ & Entity Framework
- Implementation of Lambda Expression
- Insert, Update, Delete and Select using LINQ & Entity Framework
- Scaffolding using Entity Framework

Module 13:- Ajax in MVC

- Introduction of Ajax in MVC
- Importance of Ajax
- Implementation of Ajax with Loading Element
- Implementation of OnBegin, OnSuccess, OnFailure and OnComplete

Module 14:- JavaScript in MVC

- Implementation of JavaScript in MVC
- Obtrusive JavaScript
- Unobtrusive JavaScript
- Validation using JavaScript
- Java Minification

Module 15:- JQuery in MVC

- Introduction of JQuery
- JQuery Selector
- JQuery Events
- Introduction of JQuery Animation
- JSON call using JQuery
- Implementation of CDN

Module 16:- Security in MVC

- Authorization and anonymous prevention
- Https attribute
- Cross Site Scripting Attack
- Custom action filter

Module 17:-Caching of MVC Application

- Implementation of Caching in MVC
- Output Cache in MVC
- Caching of Child request

