Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for MVC 5.0

Given below is the brief description for the course you are looking for:

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:- Tracing in MVC

Module 8:- 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 9:-CSS Implementation

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

Module 10:- Master Page Implementation

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

Module 11:-Validation in MVC

- Server Side Validation
- Client Side Validation

Module 12:- 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 13:- 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 14:- 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 15:- JavaScript in MVC

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

Module 16:- Jquery in MVC

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

Module 17:- Security in MVC

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

Module 18:-Caching of MVC Application

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

Module 19:- Unit Testing of MVC Application

Module 20:- Web API

Module 21:- Area in MVC

Module 22:- Bundling & Minification

- ➢ What is Optimization
- ➢ Problem with JavaScript and CSS Loading files
- ➢ How Bundling helps performance
- ➢ BundleConfig file

Module 23:-IOC and DI in MVC

Module 24:-Error Handling

- ➢ What is Error handling
- ➢ HandleError filter
- ➢ Concept of Error.cshtml file
- ➢ Filter customization for Error Handling

Module 25:- Validations

- ➢ Model Validation
- ➢ HTML5 Validation
- ➢ Validation Summary

Module 26:- Bootstrap with MVC

- ➢ What is Bootstrap and How to download it.
- ➢ Bootstrap Grid
- ➢ Bootstrap classes
- ➢ Compatibility with old browser
- ➢ Bootstrap container
- ➢ Bootstrap form controls and Table
- ➢ Bootstrap Menu

➢ Use of glyph icons

<u>Module 27:- Deployment of MVC Application</u>

<u>Trainer Profile:-</u>

5+ Years' Experience in Software development in Dot net.

Having 3+ Experience in MVC, LINQ, WCF and Entity Framework.

Involved in Corporate Training from last 4 Years.

Till Now Trained 300+ Students for dot net and 200+ professionals for advance dot net.

<u>Online Tutorial Prepared by Trainer:-</u>

http://tutorial.techaltum.com