

#Learn_from_Home

MVC Web Application Development using Asp.Net

Course Code: LFH/DOTNET/03

Duration: 25 hours

Course Syllabus

INTRODUCTION

This industry oriented course is developed by both the Software development division & Training division of **ipsr solutions limited**. IPSR is a **public limited IT company** with 20 years of expertise in [Software product development](#), [Training services](#), [Placement services](#) & [Digital Marketing services](#). During the past 2 decades, IPSR has trained candidates from **50+ countries** and helped **40000+ candidates** to build their IT career. Our IT services division is a pioneer in development of **Academic solution products**, incorporating cutting edge technologies like Artificial Intelligence, Data Analytics and Machine learning. Live industry experts from this IT division contribute a major role in delivering this course. Our placement division is having **1500+ placement tie-up companies** and we are conducting [recruitment on all days](#).

The Course curriculum is designed and developed by a team of expertise panel lead by following academicians

- ❑ **Dr. Mendus Jacob, M.Sc., M.Phil., Ph.D., MloD**
 - ❑ M.D & C.E.O - IPSR & Valin Technologies, U.K.
 - ❑ Director - MCA, Marian College, Kuttikkanam (Autonomous)
 - ❑ Former Director of School of Applicable Mathematics, M.G. University.
 - ❑ Academician and Entrepreneur with 30+ years experience
- ❑ **Dr. Sunil Job K.A, M.Sc, M.Ed, M.Phil, Ph.D., RHCE**
 - ❑ Chief of Academic Solutions - IPSR
 - ❑ Former college Principal and a Specialist in Data Analytics & Machine Learning
 - ❑ Blogger and a Resource person for National conferences
 - ❑ Academician with 25+ years experience

What you'll learn

✓ MVC Architecture, Entity Framework, Razor View Engine, Ajax JQuery, Code first Approach.

Description

This course cover MVC architecture, how to use strongly typed models in your views; how to build models with Entity Framework; and how to create your own custom validation attributes and develop dynamic applications in Code First Approach.

Course Outcome (CO)

While successfully completing this course, the learner will be able to:

- Build and maintain applications with ASP.NET MVC in Code First Approach.

What does this course give you?

- Skills need to develop dynamic web applications using ASP.NET MVC framework that enables a clean separation of concerns, fast development, and TDD friendly.

Course content

Pre-requisite: C# Programming, Web Development Basics – HTML, CSS, JavaScript, Web Development using Asp.Net

LINQ

- Introduction to LINQ
- LINQ to DataSet
- LINQ to SQL
- LINQ to XML

MVC

- MVC Architecture
- Understand the MVC design pattern and how it's applied in ASP.NET MVC

- MVC folders
- MVC layout
 1. Html helpers
 2. Razor
 3. Template Integration
 4. The _viewstart file
- Adding a Model
- Adding a View
- Adding a Controller
- Routing
- Types of ActionMethods
- Passing data from controller to view
 1. ViewData
 2. ViewBag
 3. TempData



- Entity Framework
 - Code first approach
 - a. DB Program using Entity Framework(CRUD Operations)
 - b. Sessions
 - c. Ajax and jQuery
 - d. Image/File uploading,

Contact Us

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We have branches at Kochi, Thiruvananthapuram, Calicut and Bengaluru.