#Learn_from_Home

Web Application Development using Asp.Net

Course Code: LFH/DOTNET/02

Duration: 50 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., MIoD**
  ❏ 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

✓ SQL Server, Server Controls, DB Programming with SQL Server, File

Operations, Ajax Server Controls.

Description

This course will cover the practical aspects of multi-tier application development using the .NET framework including the features of ASP.NET and C#.

Course Outcome (CO)

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

➔ Create user interactive web pages in 3 tier architecture using ASP.Net and SQL Server

What does this course give you?

Skills needed to develop dynamic web applications, to use the features of Dot Net Framework along with the features of ASP. NET & C#.

Course content

Pre-requisite: C# Programming, Web Development Basics – HTML, CSS, JavaScript

Web Application

- Creating Web form application
- Web Control Class
- Managing Server Controls
- Standard Webcontrols and Events
- Handling images
- Navigating Between Pages
- ListControls
  - Dropdownlist
  - Listbox
  - CheckboxList etc
- Creating
- Using file upload control and Restrictions

Validation Controls

- Asp.net validation controls
- Configuring validation controls

DATABASE Programing with SQL Server

ADO.NET (Working with Database)

- ➢ Overview of ADO.NET
- ➢ Connection object
- ➢ Command object
- ➢ Execution Methods
- ➢ Data Readers
- ➢ Forms with database connectivity

Disconnected Architecture

- ➢ SqlDataAdapter
- ➢ Dataset
- ➢ Datatable
- ➢ Working With DataControls(Gridview)
- ➢ GridView Operations

State management

- ➢ Preserving state in web applications
- ➢ Client and Server side StateManagement
- ➢ Create a simple Registration Form using StateManagement

MasterPage and Themes

- ➢ Configuring Master Page creating Themes
- ➢ Applying Themes

- ➢ Applying External Style Sheet
- ➢ Working with Template

DataBase Connection with Different Architecture

- ➢ Introduction of Two tier Architecture
- ➢ Working with Two Tier Architecture
- ➢ Introduction of Three tier Architecture
- ➢ Working with Three Tier Architecture
- ➢ Working with Stored Procedure

File Operation

- ➢ File I/O Streams
- ➢ Working with Directory and Files
- ➢ Read and Write File

Ajax Server Controls

Contact Us

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