

WORKSPACE WEB DEVELOPMENT & OUTSOURCING TRAINING CENTER

Course Outline (2014)

Learn Asp.NET

Workspace Web Development & Outsourcing Training center

House: 16 (1st floor), Road-14, Nikunja-2 Dhaka-1229. Bangladesh

Phone: +88028916341, +8801977-WSIT-01

Course Hours	56
Total days	16
Per class	3 hours
Prerequisite	Minimum idea on HTML, JavaScript, CSS and Server side scripting
Class day	Normally Thursday/ Friday / Saturday/ Sunday Normally 2 Days Per Week

COURSE DESCRIPTION

Introduction to the Microsoft .net and ASP.Net Framework, MVC, AJAX

OBJECTIVES

At the end of the course, the students will be able to:

1. Understood and appreciated the ASP.Net Framework 3.5/4.0
2. Understood and appreciated programming Web-based applications in Visual C# 2010/2012
3. Understood and appreciated programming the security for applications in Visual C# 2010/2012
4. Prepared and presented a group project using .Net Solution Architectures.

TOPICS TO BE COVERED

TOPICS	SPECIFIC OBJECTIVE(S)	TIME FRAME	SUGGESTED ACTIVITIES	TEACHING STRATEGY(S)
Introduction to asp.net	Basic .Net Framework, Understanding the player's, Visual Studio Introduction, Web site configuration.	Week 1 Day 1		Lecture notes, question
Adding And Configuring and Server Controls	Understanding and Using server control, Exploring common server control	Week 1 Day 2		Lecture notes, question
Real Time project start from second week.				
Input Validation and Site navigation	All validation and navigation.	Week 2 Day 1	Practice on project	Lecture notes, question
Asp.Net State Management	State management	Week 2 Day 2	Practice on project	Lecture notes, question
Customizing and personalizing web application	How we can make website beautiful	Week 3 Day 1	Practice on project	Lecture notes, question
Asp.net Ajax and Client site scripting	Interactive with client site.	Week 3 Day 2	Practice on project	Lecture notes, question
SQL Server /Data Connectivity	How to make successful SQL Connection and some sample work	Week 4 Day 1	Practice on project	Lecture notes, question
Entity Framework	What Entity Framework with example.	Week 4 Day 2	Practice on project	Lecture notes, question
DataSource and DataBound Control	All kind data control for asp.net, Grid-view ,Repeater Etc.	Week 5 Day 1	Practice on project	Lecture notes, question
Custom web control	How to create control and customize	Week 5 Day 2	Practice on project	Lecture notes, question
Programming with Web Application	Exception Error Handling	Week 6 Day 1	Practice on project	Lecture notes, question
Globalization and Accessibility	Use of global and local resource	Week 6 Day 2	Practice on project	Lecture notes, question
User Profile, Authentication and Authorization	Role management	Week 7 Day 1	Practice on project	Lecture notes, question
MVC	Introduction MVC	Week 7 Day 2	Practice on project	Lecture notes, question

Session/Cache	Use of session and cache in real time project.	Week 8 Day 1	Practice on project	Lecture notes, question
Responsive Website	Introduction of responsive website and some practise.	Week 8 Day 2	Practice on project	Lecture notes, question

*** Each class we have practice with a one real time project. The project will start from 3rd class.

COURSE REQUIREMENTS

Student Attendance:

All students are expected to attend all scheduled classes, and to read all assigned chapters / materials before coming to class.

Class Participation & Peer Evaluation:

You Students are expected to participate actively in the class. Your contribution towards your team will be counted too.

References:

<http://www.asp.net/>

<http://msdn.microsoft.com/>

Video Tutorials

<http://www.w3schools.com/ASPNET/>

Title: [Pro ASP.NET MVC 3 Framework, Third Edition](#)

By: Adam Freeman; Steven Sanderson

Publisher: Apress

Title: [Pro ASP.NET 4 in C# 2010](#)

By: Matthew MacDonald; Adam Freeman; Mario Szpuszta

Publisher: Apress

The Complete Reference ASP.NET