

ASP.NET & MVC

Training Program

Who can do?

- Fresh University Graduates and like to pursue a career in Software Development specifically related to DOT NET Technology on MVC.
- Already work as a Software Developer and like to excel in terms of better position and compensation.
- Want to switch from one framework to Microsoft framework and also want to earn the certification in International market.


**100,000+ Students
have been Trained**

since
1997

**Program is
offered by**

**3D EDUCATORS
INTL**
22 Years of
Excellence in
Training &
Development

**Invest in
People the
only Asset
that Appreciates**



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About the Program Designer & Instructor

The “ASP DOT NET MVC” Program has been conducted by the Senior Developers and Project Managers who have more than 20 years’ experience in the field of Development and Project Management.

The Instructor is Certified on DOT NET MVC and SQL where he has been providing his services in software industry for last 12 years and conducting so many different sessions with the Microsoft and work on or develop the real time applications for here and abroad.

The program consists of the following modules:

- Dot Net Advanced Features
- Web based application


At present, the faculty is working with a computer based technology provider organization in a senior position, also involved in training and development for last fifteen years.

Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

Program Structure

No of classes per week	01 - Class
Duration of each class	02 – Hour



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DOT NET FRAME WORK AND FUNDAMENTALS:

C#.NET WEB FORMS APPLICATIONS

Programming Concepts

Overview Object Oriented Programming

Working with C# and ASP.NET feature

Revision of Object, Overloading & Inheritance Concepts

Revision of Loops, Arrays, Sessions, Methods, Constructors & Encapsulation

Overloading, Overriding, Abstract classes, Interface, Caching

Web Application

Other features of Dot Net Applications

Database Application Using Web Forms

Understanding SQL Server Database

Connecting your Application with Database

Data Handling/Manipulating Class in C#.Net

Understanding Data Grid

Building Simple Contact Directory Application



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SQL Server Data Handling

Data Manipulation Brief Overview and examples

Data Relational Overview

Computer Architecture

Database Normalization

ASP.NET WEB FORMS APPLICATIONS

Overview of HTML and CSS3

Introduction to Web Applications

How to Establish ASP.NET Web Application

Rendering HTML with Server Controls

Working with Controls

Introduction to Web Controls

Simple Input Controls

Hyperlink and Button Controls

List Controls

Data Binding


Three tier architecture and encapsulation

Introducing Data Source Controls

Overview of ADO.NET

Connecting to Data

Working with Data



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Working with SQL Server 2016
Database Concepts
Introduction to SQL
Select, Insert, Update and Delete
Stored Procedure, Views and Triggers

Displaying Data with Grid-view Control
Introduction the Grid-view Control
Filter Data in the Grid-view Control
Select from drop down list in the Grid
Tree view

Validating User Input
Introduction of JavaScript
Validation and Client-Side controls
Exceptions in JavaScript
Overview of ASP.NET Validation Controls
Using the Simple Validators
Summarizing Results with Summary Control
Separating Validation into Validation Group



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AJAX
AJAX Installation
ScriptManager
UpdatePanel
AJAX Client Library
Remote Method Calls
AJAX Control Toolkit
Themes and Master Pages
Creating a Consistent Web Site
Master Pages
Site Navigation

Managing State
ASP.NET Session State
Storing Objects in Session State
Hosting (3rd Party Services)

MVC 6 Web Applications

Introduction to MVC 6

Traditional ASP.NET Web Forms
Benefits of ASP.NET MVC



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MVC 6 Architecture

The MVC Pattern

The MVC architecture Pattern

Domain Models and Repositories

Essential Language Features

Automatically Implemented Properties

Using Object and Collection Initializers

Entity Framework

Lambda Expressions

Working With Controllers

Introduction to Controller

Model Templates

Template View Helpers

Using Metadata for Data Values

Working With View

Working with the ASPX Engine

Working with the Razor Engine

Converting ASPX View to Razor View

Working With URLs and Routing

About Routing

Understanding the Routing Mechanism

Adding a Route Entry

Using Parameters

Using Defaults



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ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to info@3deducators.com with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it info@3deducators.com. Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.

DISTANCE NOT MATTER

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.

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PRECAUTIONARY MEASURES

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

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