

# C# & ASP.NET

## Training Program

### Who can do?

- Fresh University Graduates and like to pursue a career in Software Development specifically related to DOT NET Technology.
- 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

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

**Program is  
offered by**

3D EDUCATORS  
22 Years of  
Excellence in  
Training &  
Development  
INT



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## About the Program Designer & Instructor

The “C# with ASP DOT NET” Program has been conducted the Senior Developers and Project Managers who has more than 25 years’ experience in the field of Development and Project Management.

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

The program consist on the following modules:

- C#
- .Net fundamentals
- Windows based application

At present, faculty is working with computer based technology provider organization in senior position, also involved in training and development for last 25 years.

## Inauguration

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

## Program Structure

No of classes per week	<b>01 - Class</b>
Duration of each class	<b>02 – Hour</b>



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## DOT NET FRAME WORK AND FUNDAMENTALS:

### C#.NET WINDOWS FORMS APPLICATIONS

Programming Concepts

Object Oriented Programming

Introduction to programming in C#

Object, Overloading & Inheritance Concepts

Loops, Arrays, Sessions, Methods, Constructors & Encapsulation

Overloading, Overriding, Abstract classes, Interface, Caching

Windows Application

Dot Net Framework and Fundamentals

Introduction to Windows Desktop Application Programming

Understanding Forms and Controls

Classes & Objects

Building Simple Calculator

SMS Server

Database Application Using Windows 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**

HTML Intro and CSS3 Templates

Introduction to Web Development

ASP.NET Desktop Application

Rendering HTML with Server Controls

Working with Controls

Introduction to Controls

Simple Input Controls

Button Controls

List Controls

Data Binding

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

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



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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 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](mailto: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](mailto: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.

## CONTACT US

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<http://www.3deducators.com>

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