



C SHARP LANGUAGE With ASP.NET Training program



This training program is highly specialized training program with the duration of 32 Credit hours, where the program covers all the major areas of C# Technology, is related to Web Based Application. After this training program you can be able to do work at any project that will be related to C# DOT NET. This program comprehensively covers all the aspect of DOT NET from fundamentals to ASP.NET Technology.

This highly specialized and concentrated Program is ideally suited to following individuals who are:

- **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.**

Program is offered by: 3D Educators – Trainers & Consultants

Table of Contents

Detail

Inauguration

Structure

Topics & Time Allocation

Other Learning Activities

About the Program Designer & Instructor

Syllabus

Program Details

Inauguration

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

Program Structure

Number of classes in a week	One Class Per Week
Duration of each class	3 – Hour
Total Duration	4 Months
First Month	Training & development
Second Month	Training & Development
Third Month	Software House Full Time working with real time projects
Fourth Month	Software House Full Time working with real time projects

3D EDUCATORS

About the Program Designer & Instructor

The Profile of Program Designers & Instructors is given below:

The “**C# with ASP NET**” Program has been designed and will be conducted the Senior Developers and Project Managers who has more than Ten 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:

1. Dot net fundamentals
2. Web based application

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

Program Syllabus

The following is a customized course, design with the goal to help developers:

☐ Your First C# Program

1. Hello World
2. Why C#

☐ C# Language Basics

1. Variables & Data Types
2. Decisions
3. Loops
4. Methods

☐ Introduction to Objects

1. Overview
2. Methods & Constructors
3. Encapsulation
4. Think Objects
5. Strings
6. Arrays

☐ Extending Classes & Objects

1. Method Overloading
2. Static
3. Object References
4. Inheritance
5. Constructors
6. Method Overriding
7. Structs
8. Abstract Classes

9. Interfaces
10. The Object Class
11. Method Parameters

❓ **C# Exceptions**

1. Catching Exceptions
2. Exception Classes
3. Throwing Exceptions
4. Creating Exceptions

❓ **C# I/O**

1. Console I/O
2. Streams
3. Binary File I/O
4. Text File I/O

❓ **Data Structures**

1. Array of Objects
2. Array Lists
3. Hash Tables
4. Namespaces & Assemblies
5. Program Structure

❓ **Web Forms**

1. Introduction to GUI Programming
2. Forms
3. GUI Components
4. Events
5. Visual Studio I (Creating Windows)
6. Visual Studio II (Adding Components & Events)

DOT NET FRAME WORK AND FUNDAMENTALS:

Arrays, Generics and Collections

- Iterators and Enumerators
- Lists, Queues, Stacks and Dictionaries
- Using Arrays and Collections
- Using Generics

Branching and Operators

- Assignment and Mathematical Operators
- Increment, Decrement, and Relational Operators
- Iteration Statements
- Unconditional and Conditional Branching

Delegates and Events

- Asynchronous Processing
- Callbacks
- Event Creation and Usage
- Using Anonymous Methods

Exception Handling

- Custom Exceptions
- Exception Flow
- Exception Management
- Rethrowing Exceptions

Language

Fields, Methods in Classes

Instance Constructors and Properties in Classes

Language Basics

Static Constructors and Static Classes in Classes

String and Text Handling

Working with Numbers and Enums

Object-Oriented Design

Abstract Classes and Nesting Classes

Inheritance and Polymorphism

Interfaces

Operator Overloading

Specialization and Generalization

Types and Type Members

Access Modifiers and Nested Types

Attributes

Nullable Types and Partial Types Properties and Indexers

ASP - DOT NET 4.5 – WEB BASES APPLICATION

INTRO TO ASP.NET WITH .NET FRAMEWORK

DEFINING STANDARD STYLES & THEMES

DEFINING MASTER PAGES

CREATING USER CONTROLS

CREATING CUSTOM SERVER CONTROLS

EXTENDING EXISTING CONTROLS

CREATING PORTALS

Page # 8

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CREATING & CONFIGURING WEBPARTS

MANAGING VIEW STATE

USING STATE MANAGEMENT TECHNIQUES

ACCESSING DATA BY USING [ADO.NET](#)

GOING FURTHER WITH [ADO.NET](#)

IMPROVING PERFORMANCE BY USING CACHING

MANAGING RESOURCES & LOCALIZATION

[ASP.NET](#) SECURITY ESSENTIALS

LINQ

ENTITY FRAMEWORK

3D EDUCATORS

Students who are unable to appear for the final exam are required to submit a written application stating the reason for not appearing for the exam. 3D Educators reserves the right to approve or deny such applications. If approved, the student will be allowed to sit for the exam within one month. Failure to do so, the student will be resubmit the examination fee and sit the future schedule exam. Without passing of the exams no certification will be awarded.

3D EDUCATORS

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.
- If you are outside country or city then extra courier charges shall be incurred for Certificate.

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, ethically it is recommended and suggested that you only avail this facility.
- ✓ 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.

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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(Get the Admission Form)

[Admission Form](#)

MANAGEMENT

3D EDUCATORS – TRAINERS & CONSULTANTS