

## Dot Net Training Course Syllabus

Our .NET training course objective is to get familiarize with Microsoft.Net, C#, VB.NET and ASP.NET technologies along with some third party tools like CSS, AJAX, JAVA Script Etc... The .Net training course is designed to understand the different concepts and features of .NET coding, debugging and developing of Windows and web applications.

### .NET Framework

- .Net Framework and Fundamentals
- Learn Common Language Runtime (CLR)
- Learn Common Type System (CTS)
- Learn Common Language Specification (CLS)
- What is Managed Code?
- Microsoft Intermediate Language (MSIL)
- Just In Time Compiler (JIT)
- Assembly
- Types of Assembly
- Garbage Collection
- Strong Name
- Global Assembly Cache (GAC)

### ASP.Net

#### Overview of Asp.Net

#### ASP.Net Lifecycle and Lifecycle events

#### State Management techniques of ASP.Net

- Session
- Application
- ViewState
- Cookies
- Query String
- HiddenFields

#### UserControl

- Creation of user control
- Usages of user control

# Nxtlogic Software Solutions

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## **CustomControl**

- Creation of CustomControl
- Usages of CustomControl

## **Gridview**

## **Asp.Net Repeater control**

## **File Upload in Asp.Net**

## **Localization and globalization**

## **Asp.Net Security**

## **Themes and Master Pages**

## **C# Programming with Microsoft .NET**

## **Fundamental of C#**

## **Fundamental OOPs**

## **Object Oriented Programming**

- Inheritance
- Polymorphism
- Operator Overloading
- Delegates
- Abstraction
- Encapsulation
- Properties
- Generics

## **Access Modifiers**

- Private
- Internal
- Protected
- Protected Interna

## **Exception Handling**

## **Extension Methods**

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## ADO.NET

- Fundamental of Ado
- Architecture of Ado.Net
- Connected and Disconnected Database
- Database with Ado.Net
- Data Objects and Properties
- Data Providers
- Data Controls

## APP.config

## Web.config

## Global.asax

## Understating the Three tier Architecture

## Basics of CSS

## Basics of AJAX

## Basics of JAVASCRIPT

## SQL Server

- Introduction to SQL
- Retrieving Data
- Updating Data
- Inserting Data
- Deleting Data
- Sorting and Filtering Data
- Advanced Filtering
- Summarizing Data
- Grouping Data
- Using Subqueries
- Joining Tables
- Managing Tables
- Using Views
- Stored Procedures
- Using Cursors
- Using Transactions

## **Advance Technology**

### **ASP.NET MVC 4.0 Course Syllabus**

#### **Introduction to MVC**

- History of Web Development
- ASP.NET Web Forms
- Benefits of ASP.NET MVC

#### **MVC Architecture**

##### **The MVC Pattern**

- The MVC architecture pattern
- Domain models and Repositories

##### **Essential Language Features**

- Automatically Implemented Properties
- Using Object and Collection Initializers
- Lambda Expressions

##### **Working with Controllers**

- Introducing the Controller

##### **Model Templates**

- Templated View Helpers
- Using Metadata for Data Values

### **Model Validation**

- Explicitly Validating a Model
- Displaying Validation Messages
- Alternative Validation Techniques
- Security and Authentication

### **Working with Views**

- Working with the ASPX engine
- Working with the Razor Engine
- Converting ASPX View to Razor View

### **Deccansoft Software services ASP.NET MVC 3**

- Partial Views
- Adding Dynamic Content to a Razor View

### **Working with URLs and Routing**

- About Routing
- Understanding the Routing Mechanism
- Adding a Route Entry
- Using Parameters
- Using Defaults
- Using Constraints

### **Working with Areas**

- Setting Up Areas
- Actions in Areas
- Routing and URL Generation with Areas

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### Course Duration

Courses Available	Courses Duration (1hr/day)
VB.NET	20-25 days
C#	20 - 25 days
ASP.NET	20 - 25 days
MVC	10 - 15 days
Web service & WCF	7 days
WPF	12 days
Silver Light	30 days
Sharepoint	30 days
Ajax	5 - 7 days
SQL Server	25 days

#### Customization

Fast Track Course

Regular Track Course

One to One Training

Batch Training (2-3 Students)

#### Course Features:

Real Time Hands on Trainers

Study Material Soft and Hard Copy

Daily Assignments

Real Time Examples

Running Notes

Course Completion Certificate.

#### Course Fee:

Available on Registration