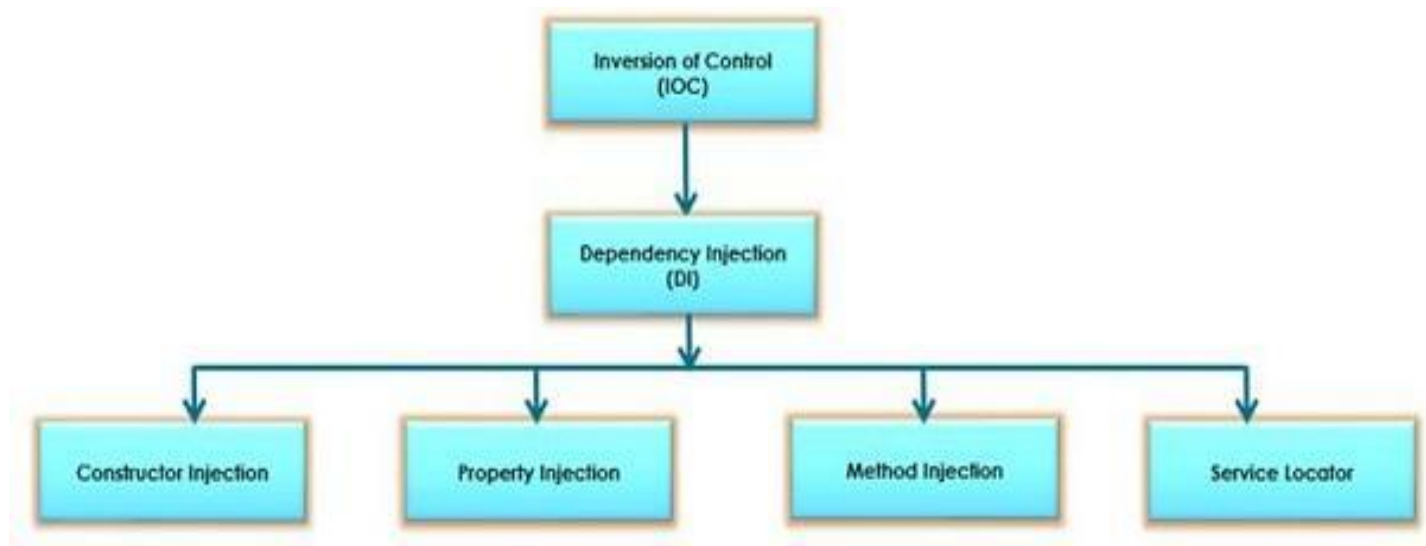




*LEARN TODAY AND LEAD TOMORROW*



# Microsoft .NET



## Overview

Let eMexo Technologies **Best C# Dot Net Training in Electronic City Bangalore** take you from the fundamentals of Dot Net to Advance Dot Net and make you an expert in developing real-time Dot Net applications. Here are the major topics we cover under this Dot Net course Syllabus **.NET Architecture & Visual Studio IDE, .NET Framework & Fundamentals, Introduction to C#.NET & OOPs using C#.NET, Access Modifiers, Class & Object, Exception Handling, Windows Forms using C#.NET, ADO.NET -Data Access from SQL Server, Collections and Assemblies, ASP.NET, Web Server Controls, LinQ, 3-Tier Architecture, Web Form, Validation Control, User Control & Custom Control, State Management & Ajax, ASP .NET Web Services, and Introduction to Security.** Each topic will be covered in a practical way with examples for our Dot Net Course in Electronic City Bangalore.

All the topics will be covered with Practical and hands-on training. Our trainers have industry experience with live project experience in cutting-edge technologies they teach. We hire only the Best Dot Net industry specialists as trainers for our **Microsoft Dot Net Certification Training in Electronic City Bangalore.**

If you are looking for Microsoft **.Net Certification Course in Electronic City Bangalore**, eMexo Technologies is the **Best C# .Net Training Institute in Electronic City Bangalore.** Come over to our training institute for a free demo class. Let our trainer give you a demo on Dot Net and only then you take the decision to enroll in the Microsoft Dot Net Training Course in Electronic City Bangalore.

## Training Features

### Real-life Case Studies

Do a real-life case study to understand the usage in real-world scenarios.

### Assignments

Each class will be followed by a practical assignment which can be completed before the next class.

### Preparation for interview

Our trainers are professionals working in multinational corporations. They are experts in their field and know exactly what the interviewer will look for in the candidate. Experienced trainers not only share interview questions but also conduct mock interviews to help prepare for the actual interview.

### Key Features

eMexo Technologies offers the **Best Microsoft .NET Training Course in Electronic City Bangalore** with the TOP industry expert trainers.

Here are the key features.

- ★ Free Demo Class Available
- ★ Practical Approach
- ★ Expert & Certified Trainers
- ★ 100% Job Oriented Training
- ★ Real World use cases and Scenarios
- ★ Completed 500+ Batches
- ★ Certification Guidance

## **Unit 1: .NET Architecture & Visual Studio IDE**

- Introduction to .NET Framework
- Architecture
- Evolution
- .NET Versions
- .NET Framework Components
- Visual Studio Versions
- Installation
- Components of IDE
- Features of Visual Studio IDE
- Creating Project
- Solution Using Visual Studio IDE and Shortcuts in IDE
- Hands-On

## **Unit 2: .NET Framework & 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)
- Hands-On

### **Unit 3: Introduction to C#.NET & OOPs using C#.NET**

- C# language basics (Syntax, keywords, operators, data types)
- Importing namespace
- Create Console Application Using Convert, String, DateTime, Arrays, etc in-detail OOPS in C#.NET
- Create and implement class, object, method, Polymorphism Inheritance, abstract class, interface, Exception Handling, properties and indexers, Delegates, Data Objects.
- Hands-On

### **Unit 4: Access Modifiers**

- Private
- Internal
- Protected
- Protected Internal
- Hands-On

## **Unit 5: Class & Object**

- Essential of Class
- How to create the Class
- Essential of Object
- How to create an object
- Hands-On

## **Unit 6: Exception Handling**

- Understanding about Exceptions
- Exception Handling
- The "Try" block
- The "Catch" Block
- Application of "Finally" Block
- Building and Throwing Exceptions
- Knowing the Need for the Custom Exception
- Building the Custom Class Exception
- Hands-On

## **Unit 7: Windows Forms using C#.NET**

- Visual Studio IDE for Windows Forms
- Creating Windows Forms, Working with controls like Label, TextBox, Button, RadioButton, CheckBox, ListBox, ComboBox, PictureBox, Dialog, Timer, and Handling Events
- Hands-On

## **Unit 8: ADO.NET -Data Access from SQL Server**

- ADO.NET Architecture and ADO.NET Library

- Creating and Establish database connectivity
- Connection vs Disconnection Model
- CRUD operations using Connection Oriented Model with SqlCommand and SqlDataReader
- Navigation of data in data objects using Disconnection oriented model with SqlDataAdapter DataSet, DataTable, etc
- Hands-On

## **Unit 9: Collections and Assemblies**

- Collection
- Collection API
- Generics
- Generic Collection
- Index and Key-Value paired collections
- Assembly
- Types of assemblies
- Create Assembly
- Create strong name
- Install Assembly in GAC
- Consume class library
- Hands-On

## **Unit 10: ASP.NET**

- ASP.NET Specification
- Webpage
- WebSite

- Web Application
- WebServers (IIS, IISExpress)
- PostBack
- PostBack types
- Inpage vs Codebehind
- Page Life Cycle events
- Hands-On

## Unit 11: Web Server Controls

- Web Server Control
- Available Web Sever controls
- Using regular controls like the label, textbox, ListControl, RadioButtonList, CheckBoxList, DropDownList, BulletedList, ListBox
- Validation of input using validation controls
- Hands-On

## Unit 12: Linq, 3-Tier Architecture

- Introduction to Linq
- Linq type queries
- SQL like queries
- Linq syntax
- Access DataSource like Array
- XML and database using Linq
- Introduction to 3-Tier and example on 3-Tier Application
- Hands-On

## **Unit 13: Web Form**

- Web Control Class
- Creating Web Forms Application
- Handling Images
- Navigating between Pages
- Managing Server Controls
- Server Control Events
- Using HTML Controls
- Using Data Controls
- Repeater Control
- Hands-On

## **Unit 14: Validation Control, User Control & Custom Control**

- ASP.Net validation controls
- Configuring validation controls
- Creating User Controls
- Interacting with User Controls
- Loading User Controls Dynamically
- Creation of Custom Control
- Usages of Custom Control
- Hands-On



## **Unit 15: State Management & Ajax**

- Introduction to State Management Techniques
- ViewState
- QueryString
- Session
- Cookie
- Application and Cache
- Ajax introduction and Architecture
- Ajax extension controls
- Hands-On

## **Unit 16: ASP.NET Web Services**

- Introduction to XML Web services
- Creating Web Service
- Setting the Web Service Attribute
- Test and Run Your Web Service
- Consuming a Web Service in Client
- Application
- Consuming a Third Party Web service
- Hands-On

## **Unit 17: Introduction to Security**

- Security in ASP.NET
- Authentication (Anonymous Authentication, Windows Authentication, Forms Authentication)

- Authorization, Securing a page and folders
- WebService Introduction, SOA, SOAP, WSDL, UDDI, etc.,
- Hands-On

## FAQs

### **1. How is the training organized? How much percentage is theoretical and how much is practical hands-on?**

We at eMexo believe nothing beats hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical and hands-on oriented. You learn a concept, you practice it then and there with the trainer. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer the next day.

### **2. What is the course duration? How and when do you plan to complete the course?**

We generally cover our courses in 60 hours, however, we are aware that we can't put a hard-stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 48 hours or 60 hours, doesn't matter.

### **3. What is the material provided in the training?**

We have industry standard course material which is used by our trainers to train you. At the end of the training apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions, etc.

### **4. Do you help in preparing for the interview?**

Our trainers are working professionals who work in MNCs. They are the expert in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions will also conduct mock interviews to help you prepare for the real interview.

### **5. Who are your trainers?**

Our trainers are industry experts who work in their respective technologies day in and day out. They work in MNCs and are technology experts within their organization.

**6. What is the total batch size per course?**

We maintain a strict batch size of a maximum of 5 students. We also provide exclusive one-to-one training as well. Talk to our training partner to get more details.

**7. Do you provide certification for the course?**

Yes, at the end of training we provide a certification of completion.

**8. Will I be joining a new batch or being merged with another batch?**

You will be added to a new batch.

**9. Is fast-track training available?**

Yes, we provide fast-track training as well for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain the same. However, the trainer will be spending more hours with you to complete the course.

**10. Do you assist in job placement?**

Our trainers are expert professionals in their organizations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look for in a resume.

**11. Timings for training - Regular training/weekend training**

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

**12. Will you be working on a live project during training?**

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and working with you on the implementation.

**13. What happens if I miss a class?**

If you miss a class the content of that class will be taught to you again. With us, you might miss a class but not the content.

**14. Can I attend a demo before the actual class?**

Yes, absolutely! Talk to our training counselor on phone at **+91-9513216462** or email us at **info@emexotechnologies.com** to arrange for a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.