



C#.NET LEVEL-1

Who should do this course?

The C# training programs are intended for professional web developers, and they introduce the C# programming language but also teach students how to leverage the extensive framework of this language in order to build distributed applications. After taking the C# training course, the students will be able to write code, and this procedure will be done faster and more easily.

Prerequisites for the course

Basic Computer Programming skills

Course Contents

[30Hrs]

➤ **Introduction to C# programming**

➤ **Coding standards**

➤ **Data Types in C#**

- Integer Types
- Floating Point types
- Decimal Type
- Characters and Strings
- Boolean Type
- Conversions
- Nullable Type

➤ **Operators and Expressions**

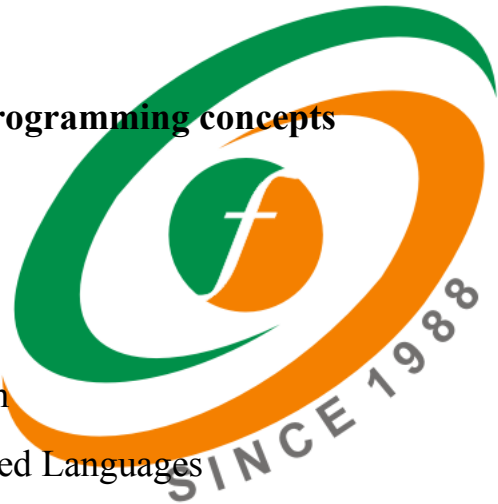
- Arithmetic Operators
- Relational Operators
- Logical Operators
- Bitwise Operators

- Assignment Operators
- Expressions

- **Control Structures**
 - If Tests
 - Loops
 - Arrays
 - Foreach
 - More about Control Flow
 - Switch

- **Object-Oriented Programming concepts**
 - Objects
 - Classes
 - Inheritance
 - Polymorphism
 - Object-Oriented Languages
 - Components

- **Classes & Namespaces**
 - Classes as Structured Data
 - Methods
 - Constructors and Initialization
 - Static Fields and Methods
 - Namespaces



➤ **Methods, Properties and Operators**

- Methods
- Parameter Passing
- Method Overloading
- Properties
- Operator Overloading

➤ **Characters and Strings**

- Characters
- Strings
- String Input
- String Methods
- String Builder Class
- Programming with Strings

➤ **Arrays and Indexers**

- Arrays
- System.Array
- Random Number Generation
- Jagged Arrays
- Rectangular Arrays
- Arrays as Collections

➤ **Interfaces**

