WEBGURUKUL
C#.NET
FOR
FRESHERS

*''Don't simply dream of success;
instead, put in the effort to achieve it.''*

C#.NET FOR FRESHERS
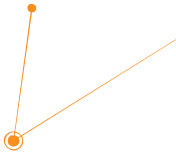
INTRODUCTION

1. Base Class Libraries in C#

2. Contributions of C# to Development

3. Managed vs. Unmanaged Code in C#

## AN OVERVIEW OF .NET ASSEMBLIES

1. Common Type System in Perspective

2. Common Language Specification Unveiled

3. Distinguishing Assembly, Namespace, and Type

IDE FOR C# APPLICATIONS

1. Visual Studio Express Family of IDEs

2. Visual Studio Community Edition IDE

3. Visual Studio 2015 Professional IDE

4. Visual Studio Code

PROGRAMMING WITH C#

1. Application Initiation

2. Designing C#.NET Programs

3. Exploring Breadboards

4. Variables and Data Types

5. Strings and Arrays

6. Utilizing the Console Class

7. String Formatting Techniques

8. Control Statements and Flow
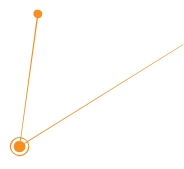
9. Programming Structures

10. Command-Line Arguments

OBJECT-ORIENTED CONCEPTS (BASIC)

1. Classes and Objects

2. Abstract and Overridden Methods

3. Creating and Employing Custom Classes

4. Data Members and Member Methods

5. Object Instantiation

6. Understanding the "this" Keyword

7. Properties: Read-Only, Write-Only, and More

8. Building with Windows Class Library

9. Generating Classes for Client Applications

10. Integrating Classes into Projects

OBJECT-ORIENTED CONCEPTS (ADVANCED)

1. Accessibility Levels and Specifiers

2. Constructors in C#

3. Method Overloading

4. Static Class Variables and Methods

5. Object Cleanup and Destruction

6. Using "ref" and "out" Parameters

7. Constants in C#

8. Exploring Enumerations

9. Inheritance and Polymorphism Concepts

10. The Root of All Classes

11. Creating Derived Classes
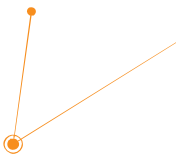
12. Method Overriding and Hiding

13. Polymorphism and Virtual Functions

14. Object Casting

15. Abstract Classes in C#

16. Sealed Classes in C#

17. Working with Static Classes

ADO.NET CONCEPTS

1. Connected and Disconnected Environments

2. ADO.NET Object Model

3. Data Sources, Providers, and Connections

4. Commands and Data Readers

5. Data Sets and Data Adapters

6. Managing Data Tables, Rows, and Columns

7. Handling Constraints and Relations

WEB-BASED API INTEGRATION

1. Setting Up a Web API Dashboard

2. Monitoring Sensor Data in a Web Application

3. Storing Sensor Information in a Database
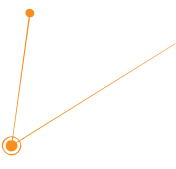
PROJECT DEVELOPMENT

1. Control-Oriented Projects

2. Monitoring-Oriented Projects

3. Combined Control and Monitoring Projects

Features

Interview Preparation

Live & Practical Projects

1 Year of Membership

Company Training Certificate

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For More Information Contact Us:

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