

C#.Net Training

Introducing .Net

2 hrs.

- The .Net Framework
- C# Language

Development Tools

2 hrs.

- Command Line Compiler
- Visual Studio
 - o Creating a New Project
 - o Compiling Project
 - o Debugging Project

Programming with C#. Net – Par 1

2 hrs.

- Object Oriented Programming
- Inheritance
- Polymorphism
- Understanding Object Lifetime
- Understanding Exception handling

Programming with C#. Net – Part2

2 hrs.

- Iteration and Flow Control
- Arrays
- Interfaces
- Generics

ADO.NET

2 hrs.

ADO.NET objects
Connections
DataReader
DataAdapters
Commands
DataSets

ASP.Net Web Pages and Web Controls

2hrs.

- Role of HTTP
- Role of HTML
- Role of Client Side Scripting
- ASP.Net Web Page Code Model
- ASP.Net Website Directory Structure
- Page Compilation Cycle

- Build a Simple ASP.Net Website
- Validation Controls

Web Services

2hrs.

- ASP.Net Web Services
- RestFull Web Services using Web API 2.0
- Deploying Web Services

Assignments

1. Set up .Net framework development Environment and develop a simple calculator console app.
2. Develop a console app to print Employee information based on employee Id.
 - a. Implement using If-Else
 - b. Implement using Switch Block
 - c. Implement using For loop
 - d. Implement using While Block
3. Write a console app to retrieve Employee information from database. Integrate solution with Assignment #2.
4. Develop a ASP.Net website to display data retrieved in Assignment # 3
5. Develop a ASP.Net Web Service to retrieve data from database.