**C SHARP DOT NET**

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C Sharp Dot Net Online Training Course Content

**Introduction to .NET Framework**

* .NET Framework
* OverView
* CLR,CLS
* MSIL
* Assemblies
* NameSpaces
* .NET Languages
* Dll’s(Vs)Exe’s

**Basics**

* Getting Started
* Using Variables and Arrays
* Methods and Parameters
* Decision Structures and Loops
* Handling Errors and Exceptions

**OBJECT ORIENTED PROGRAMMING**

* Classes, structures and enums
* Constructors
* Destructors
* Properties
* Inheritance  
  -Shadowing(new methods)  
  -Overriding
* Method Overloading
* this and base Keyword
* Sealed classes
* Interfaces, Abstract Classes
* Working with Delegates
* Designing and Implementing Events
* Generics
* Sealed classes and Partial classes
* C#.NET Application Architecture
* Solution, Projects
* Compiling, Debugging and Running in IDE

**INTRODUCTION TO GUI PROGRAMMING**

* System.Windows.Forms Assembly
* System.Drawing
* The Form Class
* Win Forms
* Visual Inheritance
* Programming with Controls
* User Controls

**WORKING WITH COLLECTIONS, IO**  
**System.IO**

* Readers and Writers
* Streams

**System.Collections**

* Hashtable
* ArrayList

**SERIALIZATION**  
**Formatters**

* Binary Serialization
* Formatters, Binary Formatter
* SOAP Serialization
* XML Serialization

**ADO.NET I:**

* Introduction
* Architecture
* System.Data.Dll
* System.Data.Oledb
* System.Data.SqlClient
* Data Readers
* Command Object
* Procedure Execution (PL/SQL)

**ADO.NET II : Data Adapters and DataSets**

* Data Tables
* Data Relations
* Data Views

**ASSEMBLIES**

* Strong Names
* GAC
* Private and Shared Assemblies
* SFA
* MFA

**MULTITHREADING**

* Threading Introduction
* System.Thrading NameSpaces
* Thread Members
* Thread States

**GUI PROGRAMMING**  
**CRYSTAL REPORTS WITH .NET**