**.NET Course Content**

C#.NET

**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

**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