

Syllabus (C#.NET 2010)

C#.NET-WINDOWS APPLICATION DEVELOPMENT

Duration : 45 Days

SQL 2008

Introduction

DML DDL Functions

Group by, Having

Join

Stored Procedure, Functions and Triggers

.NET 4.0

.NET Framework

The Common Language Runtime

The Framework Class Library

Garbage Collection

MSIL

IntelliSense

Language Syntax

Basic C# Syntax

Comments

Data Types, Variables

Operators

Conditional Statements

Looping Structures

Parallel Loops

Functions

Classes & Objects

Classes and Objects

Partial Classes

Methods, Properties and Events

Constructors

Property Procedures

Enumerations

Reference vs. Value Types

Structures

Namespaces

Dynamic IL and Dynamic Language Runtime

Abstract Classes and Interfaces

The new Exception Handling in .Net 4.0

Arrays & Collections

Arrays

Resizing Arrays

Array Lists & Hash Tables

Generic Collections

.Net Assembly

Classification of Assembly

Creating and using Managed DLLs

Private Assembly and Shared Assembly

The Global Assembly Cache

Windows Forms and Controls

Control Class

Buttons

Text Boxes Labels, Literals

Image Controls Picture Box Control

Panel Control

Combo Box Control

List Boxes

Dropdown Lists

Date Time Picker Control

Link Labels

Check Boxes

Check Box Lists Radio Buttons

Radio Button Lists

Rich Text Box Control

Tab Control

Tool Strip Control

Menu Strip Control

Creating Custom Controls

Create New Controls for Forms

Create a Control from an Existing
Control and Add Functionality

Creating MDI Applications

MDI Applications

MDI Parent and MDI Child Forms

Manage Menus

ADO.NET (Working with Database)

Overview of ADO.NET

Connection Object

Command Object

Data Readers

Data Sets & Data Adapters

Execute non-query, Execute scalar

Execute reader

Data Grid View Control

XML

Reading and Writing XML,
Programmatically
Important Classes in the System.XML
Namespace
Read and Write XML Nodes
and Attributes

Building Setup Applications

Installation Package
Customize a Setup Project
Control Installation of an Application
Specify Conditions of an Install
Custom Actions for after an Installation

Exception Handling

Exception Class
Try, Catch, Finally
Working with Exception Handling

File Handling

System, IO Namespace
Working with Directories and Files
Read and write file
Stream Reader
and Stream Writer Classes

Introduction to WCF Development

Service Contract and Implementation
Hosting WCF Services
WCF Behaviors

WWF

Introduction to WWF

Working with Sequential Workflows

Working with State-based Workflows

Assignment Works