

Net Course Contents :-

Console Programming

1. .Net Basics and C# Language
2. Operators in C#
3. Building Blocks in C#
4. Encapsulation and Abstraction
5. Concept of Array
6. Classes and Object Orientation
7. Constructors
8. Difference b/s Structure and Class or Value type and Reference Type
9. Polymorphism
10. Inheritance
11. Exception Handling
12. File Handling
13. Events and Delegates
14. Multithreading

GUI Programming

1. Working with Windows forms and Controls
 - Ø Textbox
 - Ø Label
 - Ø Link Label
 - Ø List Box
 - Ø Combo Box
 - Ø Check Box
 - Ø Button
 - Ø Radio Button
 - Ø Group Box
 - Ø Timer
 - Ø Picture and Image List
2. Working with Events
3. Dynamically loading controls in windows forms
4. Creating event handlers at Run Time

5. Performing Drag-and-Drop operations and using Clipboard

6. Working with Dialog Boxes, Menus, Context Menus and MDI

Applications

- Ø Color Dialog
- Ø Font Dialog
- Ø File Dialog
- Ø Open File Dialog
- Ø Save File Dialog
- Ø Folder Browser Dialog
- Ø Custom Dialogs

7. Creating Custom Controls

- Ø Non-Visual
- Ø Visual

8. Deploying Application

Sql Server 2005/2008

1. Concept of RDBMS

2. Querying Data

- Ø Retrieving Specific Attributes
- Ø Retrieving Specific Rows

3. Using functions of Customize the Result Set

- Ø String functions
- Ø Date functions
- Ø Mathematical functions
- Ø Ranking functions
- Ø System functions

4. Grouping data

5. Sub queries and Joins

6. Creating Databases

7. Creating Tables

8. Implementing Data Integrity

9. Modifying a table

10. Renaming Database and Table

11. Dropping Database and Table

12. Manipulating Data

Ø Insert

Ø Delete

Ø Update

13. Creating Views

14. Implementing Stored Procedures and Functions

15. Triggers

Database connectivity with using ADO.net

1. Understanding ADO.net object model

2. Working with Connected architecture

Ø Creating Connection

Ø Creating command

Ø Opening the connection

Ø Executing SQL Statements in Command Objects

Ø Closing connection

3. Working with Disconnected architecture

Ø Components of Disconnected architecture

Ø Implementing data binding

i. Simple Data Binding

ii. Complex Data Binding

iii. Navigating B/W Records

Ø Filtering Data

i. Filtering Data Using Parameterized Queries

ii. Filtering Data Using Controls of a Windows Form

Ø Typed and Untyped Dataset

Web programming (ASP.Net)

1. Creating a Web Application

- Ø Difference b/w traditional HTML and ASP.Net
- Ø Visual Studio Website Type
- Ø Difference b/w Client Side and Server Side Scripting
- Ø Event handling in web application
- Ø Web configuration file

2. Programming a Web Application

- Ø Event Handling In Web Applications
- Ø Browser Capabilities Detection
- Ø Page Header Retrieval
- Ø Exception Handling

3. Working with Server Controls

- Ø Difference b/w HTML Controls and ASP.Net Web

Server Controls

- Ø Types of Web Server Controls
 - i. Standard Controls
 - ii. Data Controls
 - iii. Validation Controls
 - iv. Navigation Controls
- Ø ASP.Net Postback model
 - i. Round-Trip Processing
 - ii. AutoPostBack Property
 - iii. Cross-Page Postbacks

4. Creating Common Layout By Using Master Pages

5. State Management

- Ø View State
- Ø Application State
- Ø Session State

6. Storing and Retrieving State Data

7. Accessing and Displaying Data From Data Source

8. Making Web Application Available To A Mobile Device

9. Implementing Themes

10. Using Ajax Controls

ADVANCE

WEB SERVICE

1. Introducing XML Web Services
2. ASP.NET Web Services
3. Accessing Web Services
4. Write a Simple Web Service
5. Precompiled XML Web Services
6. Consuming a XML Web Service From a Client Application
7. XML Web Service Type Marshaling
8. Use Data in XML Web Services

ASP.NET AJAX

1. Why Use ASP.NET AJAX Features
2. Architecture of AJAX Features in ASP.NET
3. Creating ASP.NET AJAX-enabled Web Site
4. Understanding & Working with Update Panel
5. Understanding the Benefits of the Update Panel Control
6. Understand Update Progress
7. Ajax Toolkit for ASP.NET
8. Ajax Controls
9. Script Manager
10. Script Manager Proxy
11. Update Panel
12. Update Progress
13. Timer

Creating an AJAX-Enabled Web Service

1. Security
2. Windows Authentication
3. Form Authentication
4. Passport Authentication
5. Authorization
6. Login control
7. Administrative site

GLOBALIZATION AND LOCALIZATION

1. Understand Culture and UI Culture
2. The Initialize Culture method
3. Set the Culture and UI Culture for ASP.NET Web Page

LINQ (Language Integrated Query)

Windows Presentation Foundation (WPF) / Silverlight

1. Introduction
2. Understanding XAML
3. Grid / Stack Panel/ Wrap Panel etc.
4. Text, Date, and Misc and styles
5. Working With Resources
6. Navigation
7. Binding
8. Shapes
9. Animations
10. Brushes
11. Working With Blend etc

Windows Communication Foundation (WCF)

1. Fundamentals
2. Programming services
3. Programming clients
4. Hosting
5. Restful services
6. Serialization
7. Faults Exceptions
8. Security
9. Reliability

Windows Workflow Foundation (WF)

1. Overview
2. Sequence WF
3. Flowcharts
4. Conditions Controls
5. Loop Controls
6. Hosting

XML

1. Windows Card-Space
2. Ado.net Entity Framework

MVC

- 1.How to write a program in MVC
- 2.Controllers in an mvc application
- 3.Views in an mvc application
- 4.View Data and View Bag in mvc
- 5.Models in an mvc application
- 6.Data access in mvc using entity framework
- 7.Generate hyperlinks using action link html helper
- 8.Working with multiple tables in mvc
- 9.Using business objects as model in mvc
- 10.Creating a view to insert data using mvc
- 11.Form Collection in mvc
- 12.Mapping asp.net request data to controller action simple parameter types
- 13.Update model function in mvc
- 14.Difference between update model and tryupdatemodel
- 15.Editing a model in mvc
- 16.Updating data in mvc
- 17.Unintended updates in mvc
- 18.Preventing unintended updates in mvc
- 19.Including and excluding properties from model binding using bind attribute
- 20.Including and excluding properties from model binding using interfaces
- 21.Deleting database records using post request in mvc
- 22.Insert update delete in mvc using entity framework
- 23Using data transfer object as the model in mvc
- 24.View engines in asp net mvc
- 25.Using custom view engines with asp net mvc
- 26How does a controller find a view in mvc
- 27.Html helpers in mvc

Entity Framework

- 1.What is Entity Framework
- 2.Entity Framework Model First Approach
- 3.Entity Framework Code First Approach
- 4.Customizing table, column and foreign key column names when using entity framework code FA
- 5.Using stored procedures with entity framework
- 6Table Per Hierarchy TPH inheritance in entity framework

For further Information/Free Demo please SMS(Course)/Call at the under-given numbers :-

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