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CC-C#.NET

Certificate Course in C #.NET

COURSE CODE : CC-039

COURSE CONTENT & SYLLABUS

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CC-C#.NET

Certificate Course in C #.NET

COURSE CONTENTS

Course code – CC-039   **Eligibility : 12TH Class & Above**

Duration : 3 Month

- SQL 2008

- .NET 4.0

- LANGUAGE SYNTAX

- CLASSES & OBJECTS

- ARRAYS & COLLECTIONS

- .NET ASSEMBLY

- WINDOWS FORMS AND CONTROLS

- CREATING CUSTOM CONTROLS

- CREATING MDI APPLICATIONS

- ADO.NET (WORKING WITH DATABASE)

- XML

- BUILDING SETUP APPLICATIONS

- EXCEPTION HANDLING

- FILE HANDLING

- INTRODUCTION TO WCF DEVELOPMENT

- WWF

▪ **ASSIGNMENT WORKS**

CC-C#.NET
Certificate Course in C #.NET

COURSE SYLLABUS

SQL 2008

    A. Introduction
    B. DML DDL Functions
    C. Group by, Having
    D. Join
    E. Stored Procedure, Functions and Triggers

.NET 4.0

    A. .NET Framework
    B. The Common Language Runtime
    C. The Framework Class Library
    D. Garbage Collection
    E. MSIL
    F. IntelliSense

LANGUAGE SYNTAX

    A. Basic C# Syntax
    B. Comments
    C. Data Types, Variables
    D. Operators
    E. Conditional Statements
    F. Looping Structures
    G. Parallel Loops
    H. Functions

CLASSES & OBJECTS

    a. Classes and Objects
    b. Partial Classes
    c. Methods, Properties and Events
    d. Constructors
    e. Property Procedures
    f. Enumerations
    g. Reference vs. Value Types
    h. Structures
    i. Namespaces
    j. Dynamic IL and Dynamic Language Runtime
    k. Abstract Classes and Interfaces

L. The new Exception Handling in .Net 4.0

ARRAYS & COLLECTIONS

A. Arrays
B. Resizing Arrays
C. Array Lists & Hash Tables
D. Generic Collections

.NET ASSEMBLY

A. Classification of Assembly
B. Creating and using Managed DLLs
C. Private Assembly and Shared Assembly
D. The Global Assembly Cache

WINDOWS FORMS AND CONTROLS

A. Control Class
B. Buttons
C. Text Boxes Labels, Literals
D. Image Controls Picture Box Control
E. Panel Control
F. Combo Box Control
G. List Boxes
H. Dropdown Lists
I. Date Time Picker Control
J. Link Labels
K. Check Boxes
L. Check Box Lists Radio Buttons
M. Radio Button Lists
N. Rich Text Box Control
O. Tab Control
P. Tool Strip Control
Q. Menu Strip Control

CREATING CUSTOM CONTROLS

A. Create New Controls for Forms
B. Create a Control from an Existing
C. Control and Add Functionality

CREATING MDI APPLICATIONS

A. MDI Applications
B. MDI Parent and MDI Child Forms
C. Manage Menus

ADO.NET (WORKING WITH DATABASE)

a. Overview of ADO.NET
b. Connection Object
c. Command Object
d. Data Readers

e. Data Sets & Data Adapters

f. Execute non-query, Execute scalar

g. Execute reader

h. Data Grid View Control

XML

A. Reading and Writing XML,

B. Programmatically

C. Important Classes in the System.XML

D. Namespace

E. Read and Write XML Nodes

F. and Attributes

BUILDING SETUP APPLICATIONS

A. Installation Package

B. Customize a Setup Project

C. Control Installation of an Application

D. Specify Conditions of an Install

E. Custom Actions for after an Installation

EXCEPTION HANDLING

A. Exception Class

B. Try, Catch, Finally

C. Working with Exception Handling

FILE HANDLING

A. System, IO Namespace

B. Working with Directories and Files

C. Read and write file

D. Stream Reader

E. and Stream Writer Classes

INTRODUCTION TO WCF DEVELOPMENT

A. Service Contract and Implementation

B. Hosting WCF Services

C. WCF Behaviors

WWF

A. Introduction to WWF

B. Working with Sequential Workflows

C. Working with State-based Workflows

ASSIGNMENT WORKS