

Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for Asp.net

Given below is the brief description for the course you are looking for:

BASICS OF C LANGUAGE

Introduction of C Language
How it's related to asp.net
Some Example of C programs
If-Else and Nested if
cases
arrays
Loops(for, while and do while)

OBJECT ORIENTATION WITH C#

Classes and Object

Classes and object
Hello world with class and object
Access modifier
Constructor and its type
Properties
Event
Static variable and constructor
Private constructor

Inheritance

Classes with inheritance
Access moodier with inheritance
Calling of constructor of base class
Overriding
Method Hiding
Overloading
Abstract Classes
Sealed Classes and sealed method

Interface

Interface implementation
Difference between abstract class and interface

Type Casting

Type casting and its type
Value type and reference type
Heap and stack
Boxing and unboxing
Implementation of out and ref

Polymorphism

Function overloading
Operator overloading
Virtual keyword
Runtime polymorphism

Exception Handling

Type of exception (Checked and unchecked)
Try
Catch
Finally
Throws

Arrays and looping

1-d array
2-d array
Jagged array
For loop
For each loop

Collection and Generics

Difference between collection and generics
Where use both
Hash table
Stack
Queue
Dictionary and Sorted Dictionary
Implementation of both collections and generics

String and StringBuilder

Implementation of string and its different method and properties
Implementation of stringbuilder and its different method and properties
Difference between string and stringbuilder

Garbage Collection

Destructor
Garbage collection implementation

Finalize

Thread

Thread and its property

Thread and its priority

Implementation of thread

Delegate and Event

Implementation of delegation

Implementation of event

LINQ

What is Linq

Linq with object(array, jagged array, list and arraylist)

Query with linq

Lambda expression

Func and Action Delegate

LINQ Extension Method

- Aggregate function(sum,max,min,average,count and long count)
- First and last
- Take and Skip
- TakeWhile and SkipWhile
- Single and SingleOrDefault
- Set Operations

SQL SERVER-2008

Introduction of Database

Database

Rdbms

Normalization

Database and Table Creation

Create and use database

datatype

Create table

Data integrity

Ddl statement

Dml statement

Primary key and foregn key

Use constraints

Insert update Delete Query

Simple insert query

Insert query using select

Update query

Delete query

Selection of Data(using select query)

Select all data

Select specific column

Customize the display(change the col name in display)

Concatenate the text value in the output

Calculating the column

User of where clause

Using arithmetic operation

Using comparisons operator

Using and/or operator

Range

In and not in

Like operator

Null value

Use of order by

Top value of the table

Distinct

Functions in sqlserver

Use of string function

Use of date function

Use of mathematical function

Aggregate and Group by

Min

Max

Sum

Count

Group by

Joins

Inner join

Outer join and its type

Cross join

Self join

Subqueries

Use of subqueries

Using in and exists

Nested subqueries

Constraints

Primary key constraint

Unique key constraint

Foreign key constraint

Check constraint

Default constraint

Alter

Add column

Dropping table

Advanced Topic

Indexes

View(create,alter,drop)

Procedure and Triggers

Create and execute procedure

Create and execute triggers

DATABASE CONNECTIVITY USING ADO.NET

ADO.NET Fundamentals

Connection String

SqlConnection

SqlCommand

SQLDataAdaptor

SQLDataReader

Data Sets and Disconnected Access

DataSet

DataAdapter

Command Objects

DataTable

DataColumn

DataRow

Concurrency and Transaction

Concurrency Overview

Transaction

Transaction and SqlCommand

Commit and Rollback

Insert Update and Delete Operation using Query

Select Operation using Query

CRUD operation using Stored Procedure

GridView Data Binding using Event bubbling

DropDownlist data binding using ADO.NET

3 tier Architecture using ADO.NET

DATABASE CONNECTIVITY USING LINQ

Implementation of LINQ to SQL

DataContext class and Gettable function

ORM Architecture

Select data using LINQ

Joins using LINQ

Insert, update and delete using LINQ

Repository Architecture using LINQ

ASP.NET

Master Pages and implementation of Template

Introducing Master pages

Content Place Holder

Nested Master Page

Multiple Content Place Holder

Implementation of Template

Caching

Importance of caching

Type of caching in ASP.NET

Implementation of Caching

Site Navigation

Basic page navigation

Response.Redirect() and Server.Transfer()

Examine the Menu navigation control

State Management

Client Side State Management: - ViewState, Cookies and Query String

Server Side State Management: - Session and Application

Validations

Implementation of Validations

Regular Expression in Validations

Image Uploading

Image uploading and store it in folder

Display image in gridview

Runtime Control

How to create controls at runtime

How to bind event with runtime controls

Reporting

Detail Concept of RDLC Report

Implementation of RDLC Report

Service

What is Service and Distributed Architecture

Contract, Address and Binding

Implementation of WCF Service

ASP.NET AJAX with Toolkit

Know the role of AJAX

AJAX in today's Web world

Understand the role of the XMLHttpRequest object

Learn the ASP.NET AJAX controls

Explore the ASP.NET AJAX client libraries

Use the UpdatePanel and the UpdateProgress controls

Project Details

- **Create Database using normalization**
- **Project implementation using 3 tier architecture**
- **Master page implementation**
- **Report generation**



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