

House # 80, Road # 8/A, Mirza Golam Hafiz Road, Dhanmondi, Dhaka-1209, Bangladesh.

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C#, OOP, ASP.NET with MVC

Section 1:

- Introduction to C# and .NET Framework
- Primitive Types and Expressions
- Non-Primitive Types

Section 2:

- Control Flow
- Arrays and Lists
- Classes

Section 3:

- Association between Classes
- Inheritance
- Access Modifiers

Section 4:

- Polymorphism
- Abstract Class
- Interfaces

Section 5:

- Overview C# (OOP)

Section 6:

- Introduction to Microsoft Technology, Visual Studio .Net
- Object Oriented Programming Overview
- Built-in Validation Control using in Asp.net.
- Asp.net Web page Design
- Cascading Style Sheet (CSS)
- Bootstrap

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- Asp.net page validation in server side and client side.

Section 7:

- Database Connectivity
- ADO.NET
- C# Class Library
- Data Binding Asp.net
- Layer Architecture
- Exception Handling in C#
- Grid Data Manipulation through Win/Web

Section 8:

- Sending e-mails from Asp.net
- File Access / File Upload in Asp.net
- Working with Image data in C#
- Create and Using of User Control in Asp.net
- Asp.net Ajax
- jQuery in asp.net
- Server side and client Side state management.

Section 9:

- Entity Framework Tutorial
- Manipulate Data (Insert update delete) by Entity Framework
- Populate Data in Grid view by Entity
- Menu Generation in win-form application.
- application in Windows Form

Section 10:

- Populate Data in Grid view data by Entity
- LINQ Overview, environment
- LINQ Query Operator
- LINQ to SQL, Object, Dataset, XML, Entities

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- Lambda Expression
- Menu Generation in win-form application.
- Creating a small application in Windows Form

Section 11:

- Microsoft SQL Server Overview
- SQL Server Data types
- Structure Query Language (SQL)
- SQL Server Management Studio
- CREATE DATABASE
- DROP DATABASE
- Create Table
- SQL Server : Tables Join Technique (Inner Join, LEFT JOIN, RIGHT JOIN, FULL JOIN, CROS JOIN)

Section 12: (Project)

- Project Selection Group-wise
- Project Documentation
- Project Architecture Design
- Database Design
- Project Submission Date



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