Microsoft .NET

1. C# (Sharp)

a. OOPS Programming & Environment Overview

b. Program Structure

c. Classes & Objects

d. Data Types &Type Conversion

e. Variables, Constants And Literals

f. Operators & Methods

g. Decision Making & Conditional Constructs

h. Encapsulation

i. Arrays, Strings, Structures & Enums

j. Polymorphism

k. Interfaces

l. Exception Handling & File I/O

m. Multi Threading

n. Attributes & Reflection

o. Events & Delegates

p. Collections & Generics

2. SQL Sever

i. SQL Overview

ii. DDL, DML, DCL, DQL

iii. Introduction To RDBMS Concepts

iv. SQL Syntax, Features

v. SQL Data Types

vi. Operators

vii. SQL Expressions

viii. Create, Drop & Delete Database

ix. Create, Update, Drop & Delete Table

x. Insert & Select Query

xi. Where, Like & Top Clause

xii. Having, Order By & Group By

xiii. And & Or Operators

xiv. Distinct And SQL Sorting

xv. SQL Constraints

xvi. Joins & Unions

xvii. SQL Alias & Null Values

xviii. SQL Indexes

xix. Alter & Truncate Commands

xx. Views

xxi. SQL Transactions

xxii. SQL Wildcard Operators

xxiii. Functions

xxiv. Temporary vs Clone Table

xxv. Sub Queries

xxvi. Using Sequences, Handling Duplicates, SQL Injection

3. WPF (WINDOWS PRESENTATION FOUNDATION)

i. WPF Architecture, Advantages And Features

ii. Environment Setup

iii. XAML Overview

iv. Elements Tree

v. Dependency Property

vi. Routed Events

vii. WPF Common Controls

viii. WPF Window

ix. WPF Layouts

x. Nesting of Layout

xi. WPF-Input, Command Line

xii. Data Binding, Resources

xiii. Templates & Style

xiv. WPF- Triggers & Debugging

xv. Custom Controls

xvi. Exception Handling

xvii. Localization & Interaction

xviii. WPF- 2D & 3D Graphics

xix. WPF Multimedia

4. ASP.NET MVC (Model-View- Controller)

i. Overview, Pattern & Environment Setup

ii. Create Your First MVC Application

iii. ASP.NET-MVC Life Cycle

iv. Routing

v. Controllers

vi. Actions

vii. Filters

viii. Selectors

ix. Create ASP.NET-MVC Views

x. Data Model

xi. Helpers

xii. Model Binding

xiii. ASP.NET- MVC Databases

xiv. Validation & Security

xv. Caching

xvi. Razor

xvii. Data-Annotations

xviii. NuGet Package Management

xix. WEB API

5. WCF (WINDOWS PRESENTATION FOUNDATION)

i. Overview

ii. WCF vs Web Services

iii. Developers Tools

iv. Architecture

v. Create & Host WCF Services

vi. IIS Hosting

vii. Self-Hosting

viii. WAS Hosting

ix. Windows Service Hosting

x. Consuming WCF Services

xi. WCF Service Binding

xii. WCF Instance Management

xiii. Transactions

xiv. RIA Services

xv. Exception Handling

xvi. Security