



Dot Net Training Contents

Introduction to C# (Object Oriented Programming)	
<ul style="list-style-type: none">▪ Developing Console Application<ol style="list-style-type: none">1. Entry point method - Main.2. Command Line Parameters3. Compiling and Building Projects▪ Language Basics<ol style="list-style-type: none">1. Variables and Data Types2. String & StringBuilder.3. Boxing and Unboxing4. Operators5. Control Statements6. Arrays and Strings7. Procedures and Functions▪ Essentials of Object-Oriented Programming<ol style="list-style-type: none">1. Object and Class Definition2. Understanding Identity, State, and Behavior3. Using encapsulation to combine methods and data in a single class4. Inheritance and Polymorphism▪ Working with Classes and Objects<ol style="list-style-type: none">1. Adding Variables and Methods2. Properties and Indexers3. Constructors and Destructors4. Memory Management and Garbage Collection5. Shared / Static Members6. Method Overloading7. Events and Delegates8. Anonymous Methods9. Partial Classes10. Operator Overloading11. Inner Classes	<ul style="list-style-type: none">▪ Inheritance, Interface and Polymorphism<ol style="list-style-type: none">1. Deriving classes2. Calling base class constructor3. Overriding Methods4. Non-Inheritable Classes.5. Abstract Class▪ Exception Handling<ol style="list-style-type: none">1. Handling Exceptions using try and catch2. Raising Exceptions using throw3. Pre-defined Exception classes4. Custom Exception classes5. Using Statement▪ Data Streams and Files<ol style="list-style-type: none">1. Byte Streams2. Readers and Writers.3. Binary Streams4. Console and File I/O5. Serialization & Deserialization▪ Multithreading<ol style="list-style-type: none">1. Introduction2. Application Domains3. Creating and Managing Threads4. Threads Priority5. Thread States6. Thread Synchronization & Inter-Thread Communication.7. Using Monitor.

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ADO .Net (Database Connectivity)	Graphical User Interface (Windows Forms)
<ol style="list-style-type: none">1. Data Access using ADO.NET2. Comparison between ADO and ADO.NET3. ADO.NET Concepts and Overview4. Managed Providers5. Working with Connection, Command, DataReader6. Working with Prepared Statements and Stored Procedures.7. Connection Pooling and Multiple Active Result Sets8. Working with DataSet9. Adding, Deleting and Modifying records in a Dataset10. Data Tables, Data Columns and DataRows, Constraints11. Using DataView12. Working with DataGridView	<ol style="list-style-type: none">1. Introduction2. Common Controls3. Containers4. Menus & Toolbars5. Dialog Box- Print, Save, Color, File etc.6. MDI Forms7. Database Connectivity8. HTML Workshop9. Crystal Report10. Project11. Setup & Deployment

ASP .Net	Project Study
<ol style="list-style-type: none">1. Setting up and Installing ASP.NET2. Overview of the ASP.NET Framework3. Using the Validation Controls4. Designing Websites with master pages5. Designing websites with Themes6. Microsoft SQL Server7. Overview of Data Access8. Using SQLDataSource Control9. Using List Controls10. Using the GridView Control11. Data Access with LINQ to SQL (For XML Students)12. Using Navigation Controls13. Using the Login Control14. Localization and Globalization15. Using Forms-Based Authentication16. AJAX (Asynchronous JavaScript & XML)17. FTP Management	<ol style="list-style-type: none">1. Development2. Unit Testing3. Deployment4. Documentation <p><u>Training Highlights:</u></p> <ul style="list-style-type: none">• Placement Preparation• Placement Assistance• Personality Development• Participation Certificate by Webs Jyoti

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