

Microsoft.Net

Curriculum



A unit of **DREAM WEAVERS** Group

An ISO 9001:2008 Certified Company

Development | Training | Consultancy

Duration: 6 Weeks

➤ Introduction to Microsoft .Net [2Days]	➤ Collection Classes [2Days]
<ul style="list-style-type: none">• The Microsoft Application platform• Inside the .NET Framework• Introduction to .NET Languages• D.N.A. Architecture	<ul style="list-style-type: none">• Array List• Hash Table• Stack• Queue• Dictionary
➤ The Common Language Runtime	➤ File Handling [2Days]
<ul style="list-style-type: none">• Clr Arch and services• MSIL• JIT Compiler	➤ Exception Handling [2Days]
➤ Using Visual Studio	➤ Advance .NET Topics [3Days]
<ul style="list-style-type: none">• Introduction to Visual Studio• Using Visual Studio for Console Application Development• Using Visual Studio for Windows Application Development• Using Visual Studio for Web Application Development	<ul style="list-style-type: none">• Object Initialization and Anonymous Methods• Events And Delegates• Multithreading• Assembly and deployment• Reflection• Remoting
➤ Language Fundamental	➤ Using ADO.NET [3Days]
<ul style="list-style-type: none">• Overview of .NET Languages• Overview of C# Language.	<ul style="list-style-type: none">• Introduction to ADO.NET• ADO.NET Providers• The ADO.NET Object Model<ul style="list-style-type: none">◦ The Connection Object◦ The Command Object◦ Dataset◦ Datareader◦ DataAdapter• Understanding Command and Connection Classes• Understanding DataReader• Understanding DataSet and DataAdapter
➤ Building Console Applications [2Days]	➤ Advance ADO.NET
➤ Syntax and Data Type [2Days]	<ul style="list-style-type: none">• DataView• DataRelation• Schema• Transaction
<ul style="list-style-type: none">• Data Type and Control Structure• Value type and Reference Type• Declaring and Initializing values• Operators• Looping construct• Array• Strings• Structure	
➤ OOPS Concepts [3Days]	
<ul style="list-style-type: none">• Classes• Encapsulating Attributes• Define Constructor• Defining Methods• Overloading methods and constructors• Object creation• Properties• Invoking properties and methods• Inheritance• Namespaces and Assemblies	

➤ Building ASP .NET Applications [15 Days]

- **Introduction to ASP .NET**
 - Need of web application
 - HTTP Protocol
 - Static and dynamic pages
 - Concept working of IIS and web browser
 - ASP.NET page compilation
 - **Client-Server Architecture**
 - **Introduction to HTML Pages**
 - Creating simple HTML pages
 - HTML tags
 - **Server pages using ASP.NET**
 - ASP.NET page directives
 - Creating Server pages
 - ASP.NET page events
 - HTTP Request Object
 - HTTP Response Object
 - Understanding PostBack
 - Tracing ASP.NET page
 - **Server Controls**
 - Standard Controls
 - Validation Controls
 - DataBind Controls
 - Use of DataBind Controls
 - Working with GridView Control
 - Working with Repeater Control
 - Working with DetailsView Control
 - Working with DataList Control
 - Working with FormView Control
 - Navigational Controls
 - Working with SiteMap Control
 - Working with Menu Control
 - Working with TreeView Control
 - **ASP.NET State Management**
 - Introduction to stateless protocol
 - Need of state management
 - Types of state management
 - HTTP Cookies
 - HTTP Session
 - QueryString Method
 - ViewState
 - HiddenField
 - **ASP.NET Caching**
 - Introduction to caching
 - Types of caching
 - Page output caching
 - Page fragment caching
 - Data Caching
 - **Designing ASP.NET pages**
 - CSS
 - Master Pages
 - Introduction to Master Pages
 - Creating Master Page
 - Choosing Master Page
 - Nesting Master Page
 - **Login Controls**
 - Configuring forms authentication
 - using security controls
 - Login control
 - Login Status Control
 - Login View Control
 - Password Recovery Control
 - Change password
 - **Advance ASP.NET Topics**
 - Exception Handling in ASP.NET Pages
 - Globalization and localization
 - AJAX
- ## ➤ SQL Server Management Studio [2 Days]
- Installing and configuring SQL Server 2005
 - The Query Window
 - Working with DDL/DML Statements
 - Joins
 - Inner Join
 - Outer Join
 - Cross Join
 - The Union
 - The CREATE Statement
 - The DROP Statement
 - Constraints
 - Type of Constraints
 - Primary key constraint
 - Foreign key constraint
 - Writing Sub queries
 - Understanding Indexes
 - Understanding Views
 - Writing Stored Procedures
 - Working with Triggers
- ## ➤ Live Project [7 Days]