

NET Course Content

Unit1: Introduction to .Net

- Net Framework and CLR
- Introduction to Visual studio

Unit2: Introduction to C#

- Overview of C#
- Data Types
- Framework
- Common Language Runtime
- Base Class Library
- Common Type System (CTS)
- Intermediate Language
- Assemblies
- Namespaces
- Memory Concepts
- Control Structures
- Arrays
- Namespaces

Unit3: Object Oriented Programming

- Classes and Objects
- Constructors
- Inheritance
- Polymorphism
- Abstract
- Interface
- DataTypes
- Reference Types
- Control Statements
- Conditional Statements
- Switch Statement
- Loops
- Jump Statements
- Delegate
- Exception Handling
- Reflections
- Indexers
- Threading

Unit4: Graphical User Interface (Win forms)

- Intro to Win forms
- Event handling
- Toolbox
- Custom toolbox controls
- User defined controls

Unit5: Files and streams

- Usage and implementations of controls
- Software Development

Unit6: MSSQL Server

- Intro to databases
- Relational database concepts
- Structured Query Language
- Stored Procedures
- Functions
- Triggers

Unit7: Ado.Net

- Basics of Ado.net
- Connected and Disconnected modes
- Programming with Ado.net
- CSS and JavaScript
- HTML

Unit8: Asp.Net

- Intro to Web forms
- Web Controls
- Server Controls
- Client Controls
- Navigation Controls
- Validations
- Master Page
- State Management Techniques
- Caching
- AJAX
- Web Service
- WPF
- Silverlight

- Unit9: Developing Web Applications using ASP.NET 2.0

Creating ASP.NET Application

Components an ASP.NET Application
ASP.NET Page Processing
Server Controls
State Management
Master Pages
User Controls and Custom Controls
Site Navigation
Themes

- Themes
 - Caching
- Configuration
Globalization and Localization

Unit10: Data access with ADO.NET and XML

Objective of this module
First things first
Introduction to ADO.NET
Data Structures and Data Access Components
Data Binding
Data Access using XML
Unt11: Web Services and Windows Services
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First things first
Introduction to ADO.NET
Data Structures and Data Access Components
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