

Dot Net Training Syllabus

1. Net Framework

- CLR, CLS & CTS
- Compilation process in .NET
- Assemblies & Versioning

2. C#

- Language Syntax
- Data Types, Variables & Operators
- Conditional Statements & Looping Structures
- Garbage Collection and Finalization
- Exception Handling
- Threading
- Ajax
- JQuery

3. Classes & Objects

- Classes and Objects
- Abstract Classes and Interfaces
- Constructors and Destructors
- Structures, Enumerations
- Boxing & Unboxing

4. OOPS

- Encapsulation
- Inheritance
- Polymorphism
- Data Abstraction

5. Namespace

- Namespace, Nested Namespace
- Delegates & Events
- Properties, Indexer & Indexer Overload
- Errors and Exceptions

6. Arrays, Collections & Generics

- Single Dimension Array, Multi Dimension Array
- Collections
- Generic Collections

7. File I/O and Streams

- Working with Directories and Files
- Read and write file

8. Remoting & Reflection

- Application Domain
- MarshalByRef Object
- Typeof

9. SQL Server

- Introduction
- DML DDL Functions
- Jins & Views
- Functions & Stored Procedure
- Triggers & Cursors

10. ADO.NET (Working with Database)

- Overview of ADO.NET
- Connected vs Disconnected Architecture
- Data Connection Object
- Data Command Object
- Data Adapter Object
- Data Readers
- Data Sets & Data Adapters
- Structure of Dataset
- Execute Non Query
- Execute Reader
- Execute Scalar

11. ASP.NET

- Introduction to Web Programming
- Client / Server Technology
- Understanding Web Server IIS

12. Page Life Cycle

- Global.asax
- Web.config
- Intrinsic Objects in ASP.Net

13. Web Form

- Web Control Class
- Creating Web Forms Application
- Handling Images
- Navigating between Pages
- Managing Server Controls
- Server Control Events
- Using HTML Controls
- Using Data Controls
- Repeater Control

14. Validation Controls:-

- ASP.Net validation controls
- Configuring validation controls

15. State Management

- Preserving State in Web Applications
- Using Cookies to Preserve State
- ASP.NET Session State
- Application State

16. Configuration

17. Authentication

18 .User Controls

- Creating User Controls
- Interacting with User Controls
- Loading User Controls Dynamically

19. Master Pages & Themes

- Simple Master Page Nested Master Page
- Configuring Master Page Creating Themes
- Applying Themes
- Applying Stylesheet

20. Uploading Files

- Using FileUpload Control
- Setting the location and filename to upload the files

21. Three Tier Architecture

22. Crystal Report

23. Handling Emails

- Protocols for Email
- Sending Mails
- Managing Attachments

24. ASP.NET Web Services

- Introduction to XML Web services
- Creating Web Service
- Setting the Web Service Attribute
- Test and Run Your Web Service
- Consuming a Web Service in Client Application
- Consuming a Third Party Web service

25. Deployment

- Publishing Web Applications.
- Create Web Setup Project.

26. Linq

27. Windows Presentation Foundation(WPF)

28. Windows Communication Foundation (WCF)

29. Windows Workflow Foundation (WWF)

30. Silverlight

31. MVC

Live Project

- Development
- Unit Testing
- Deployment