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Microsoft® .NET Framework

Quick Contact

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.Net Framework

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

C#

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

Classes & Objects

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

OOPS

- Encapsulation
- Inheritance
- Polymorphism
- Data Abstraction

Namespace

- Namespace, Nested Namespace
- Delegates & Events
- Properties, Indexer & Indexer Overload

- Errors and Exceptions

Arrays, Collections & Generics

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

File I/O and Streams

- Working with Directories and Files
- Read and write file

Remoting & Reflection

- Application Domain
- MarshalByRef Object
- Typeof

SQL Server

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

ADO.NET (Working with Database)

- Overview of ADO.NET
- Connected vs Disconnected Architecture
- Data Connection Object
- Data Command Object
- Data Adapter Object

- Data Sets & Data Adapters
- Structure of Dataset
- Execute Non Query
- Execute Reader
- Execute Scalar

ASP.NET 4.0

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

Page Life Cycle

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

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

Validation Controls:-

- ASP.Net validation controls
- Configuring validation controls

State Management

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

User Controls

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

Master Pages & Themes

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

Uploading Files

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

Handling Emails

- Protocols for Email
- Sending Mails
- Managing Attachments

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

Deployment

- Publishing Web Applications.
- Create Web Setup Project.

*syllabus can be modified based on your requirement

For more : https://www.traininginbangalore.com/dot-net-training-in-bangalore/

Other Activities

Assessments

- **Objective Assessments**

  -- Syntactical based

  -- Scenario based

  Note: At least 2 objective based assessments in each module

- **Hands On – Practical Assessments**

  -- Scenario based

  Note: At least 2 Hands on assessments in each module

Assignments

- **Hands On – Practical Assignments**

  Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- **Regular tasks on each module**

  Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- **Work on one or two mini projects**
- **Discuss and convert the current working project into .NET project to add in resume & to explain .NET experience in interviews**