FULL STACK .NET

C# .NET Basics

- .NET Introduction
- .NET Framework Vs .NET Core
- Visual Studio Basics
- DotNet CLI
- CLI, CLR, CLS
- Console Apps
- Programming Basics
- Data Types
- Structure

OOPS

- Class & Object
- Inheritance
- Polymorphism
- Encapsulation
- Abstraction
- Abstract Classes
- Interfaces
- Constructors
- Exception Handling
- static keyword
- Base Keyword
- DateTime Class
- String Handling
- Collections

Advanced C#.NET

- Generics
- Properties
- Math Class
- Delegates

- Multi Threading

- LINQ

- Lambda Expressions

- File Handling

- Serialization

- XML & Json

- Regex

- Encodings

User Defined Functions

- Records

- Immutable Classes

- Readonly Structs

- Pattern Matchings

- Interface Static Methods

- Tuples

- Anonymous Types

DBMS Basics

- Introduction To DBMS

- File Management System And Its Drawbacks

- Relational Data Model (RDBMS)

- Entity – Relationship (E-R) Model

- Advantages and Drawbacks Of SQL Server Compared To Oracle And DB2

- Connecting To Server

- Authentication Modes

- Sql Server Management Studio and Tools In Management Studio

- Data Definition Language (DDL)

SQL Server Concepts

- Data Manipulation Language (DML)

- Data Query Language (DQL)

- Keys & Constraints

- Clauses & Conditions

- Built In Numeric Functions

- Built In String Functions

- Built In Date Functions

- Built In Conversion Functions

SQL Server Concepts

- Unions

- Intersect

- Except

- Joins

- Sub Queries

- Indexes

- Views

T-SQL Basics

- TSQL Programming

- History and Features of TSQL

- Types Of TSQL Commands

- Cursors

- Stored Procedures

- User Defined Functions

T-SQL Adavanced Topics

- Triggers

- Exception Handling

- Working With XML Data Type

- Backup and Restore Of Database

- Attach and Detach of Database

- Normalization

FULL STACK .NET

ADO.NET

- Introduction
- DB Connectivity
- Query Execution
- Connected & Disconnected Approaches
- Scalar Functions
- Executing Stored Procedures & Functions

Entity Framework Core

- Changes in EF Core
- Code First Approach
- DB Connectivity
- Context Creation
- Migrations
- Fluent API

ASP.NET Core Basics

- Introduction
- DB Connectivity
- Query Execution
- Connected & Disconnected Approaches
- Scalar Functions
- Executing Stored Procedures & Functions