

.NET BASIC

1. Fundamentals C# Language

- Namespaces in C#?
- Data types in C#
- Array in C#
- Looping in C#
- Conversion Types
- Collections
- Generics
- Delegate
- Events
- Exception Handling
- Threading
- Properties

2. ASP.NET 4/4.5/4.6 Framework

- HTML
- Java Script
- Server Pages using asp.net
- State Management
- Controls in ASP.NET
- Standard controls/server controls
- Validation controls
- Data controls
- Grid view controls
- Navigation controls
- CSS
- Bootstrap css responsive

- Master Page
- Login controls
- Ajax

3. Object Oriented Programming System (OOPS)

- What is OOPS?
- What is Class & Object?
- Encapsulation
- Abstraction
- Inheritance
- Polymorphism
- Operator Overloading
- Constructor
- Classes & Methods
- Variable
- Interface
- Access Modifiers

4. The SQL Server Management

- What is SQL?
- What is Database?
- Create Statement
- Select Statement
- Insert statement
- Update statement
- Delete statement

Drop statement
Truncate statement
Difference between delete, drop & truncate
Alter Query
Clauses
Group By
Order By
Basic Queries
Stored Procedure
Function
Trigger
Cursor
Union & Union All
Transaction
Joins
Indexes
Views
Constraints

5. ADO .NET 10

SQL Command Class
SQL Data Reader Class
Executing Stored Procedure
Executing Function
What is SQL INJECTION?
Working with Disconnected mode
Data Adapter
Data set
Data Table

Command Builder

.NET ADVANCE

1. MVC

Defining model - view - controller
MVC on the Web Today
Model - View – Controller and asp.net
Understanding routes and Urls
Controllers
Views
Exploring Controllers
Exploring Razor Views
Digging into HTML Helper Methods
Understanding Model Binders
Annotations and Validation
State Management Techniques
CRUD operations using Entity Framework
Authentication and Authorization
ASP.NET Identities
URL Routing

2. LINQ

What is Linq
Why linq
Limitation of linq
Data context in linq

Select data by linq
Perform dml by linq
Stored procedure by linq
Linq with dataset
Linq operators
Linq query expression
Linq with generic & non generic collection.

3. ADO.NET Entity Framework

Overview of the Entity Framework
Between Linq to sql and Entity Framework
Learn how to create an Entity Data Model
Conceptual schema definition languages (CSDL)
Store schema definition languages (SSDL)
Mapping specification language (MSL)
Techniques for using LINQ to Entities to query data in SQL Server database
Creating/Managing 1-Many and many-1 relations
Associations & Foreign Key
Procedure Mapping
Giving life to a Model
Mapping object to Data
CURD Operation

4. Web API

Test Web API

Web API Controller
Configure Web API
Create WebAPI for CRUD
Consume WebAPI
Web API Hosting
JSON DataTypes
Secure Web API using Token based security

5. JQuery

jQuery introduction
jQuery Selectors
jQuery and DOM
jQuery and Events
jQuery and Ajax
jQuery UI

6. Angular JS

Introduction, Architecture, Advantages
Your First Program
Angular JS Controller
Ng-model in Angular JS
Angular JS Views Tutorial
Angular JS Expressions – Numbers, Strings, Objects, Array, \$eval
Learn Angular JS Filter: Lowercase, Uppercase, Json, Number, Currency, Custom

Learn Angular JS Directive: ng-app, ng-init, ng-model, ng-repeat, ng-transclude

Angular JS Module

Learn Angular JS Events: ng-click, ng-show, ng-hide

Angular JS Routes (\$route)

Angular JS http, Ajax Tutorial

Angular Table: Learn in 10 Minutes!

Angular JS Validation – Learn in 10 Minutes!

Ng-include in Angular JS – Learn in 10 Minutes!

Angular JS - Dependency Injection

Angular JS Testing using Karma: Unit and End to End Testing

Protractor Testing

7. Reports

RDLC

Crystal Report

SSRS

8. Database

SQL server

PostgresQL

9. Others

SQL injection

SMS & Mail API

SSL

Payment gateway integration

URL rewriting

Advance IIS config

Security

mapping
minds