DOT NET FULL STACK SYLLABUS:

FRONT-END:

HTML SYLLABUS:

- HTML Introduction
- HTML Attribute
- HTML Styles
- HTML Text
- HTML Quotations
- HTML Comments
- HTML Colors
- HTML CSS
- HTML Links
- HTML Images
- HTML Tables
- HTML Lists
- HTML Block and Inline Elements
- HTML Class Attribute
- HTML Java Script
- HTML Layouts
- HTML Forms
- HTML Computer Code elements
- HTML Responsive design

CSS SYLLABUS:

- ✓ CSS Attribute Selectors
- ✓ CSS Backgrounds
- ✓ CSS Borders
- ✓ CSS Box Model
- ✓ CSS Colors
- ✓ CSS Combinators
- ✓ CSS Dropdown
- ✓ CSS Fonts
- ✓ CSS Height and Width
- ✓ CSS Introduction
- ✓ CSS Layout display
- ✓ CSS Layout float and clear
- ✓ CSS Layout Horizontal & Vertical Align
- ✓ CSS Layout inline and block
- ✓ CSS Layout Overflow
- ✓ CSS Layout Position Property
- ✓ CSS Layout width and max- width

- ✓ CSS Links
- ✓ CSS Lists
- ✓ CSS Margins
- ✓ CSS Navigation Bar
- ✓ CSS Opacity

JAVASCRIPT SYLLABUS:

- ➢ JavaScript Introduction
- ➢ JavaScript Basic Programs
- ➢ External JavaScript
- ➢ JavaScript Comments
- ➢ JavaScript Variable
- ➢ JavaScript Global Variable
- ➢ JavaScript Datatypes
- ➢ JavaScript Operators
- ➢ JavaScript If Statement
- ➢ JavaScript Switch
- ➢ JavaScript Loop
- ➢ JavaScript Function
- ➢ JavaScript Object
- ➢ JavaScript Array

- ➢ JavaScript String
- ➢ JavaScript Date
- ➢ JavaScript Math

FRAMEWORK:

REACT.JS:

1.Introduction to React

- ➢ Introduction to React and its role in web development.
- ➢ Setting up a development environment (Node.js, npm, and create-react-app).
- ➢ Understanding JSX (JavaScript XML) syntax.

2.Components and Props.

- ➢ State and Lifecycle methods.
- ➢ Event handling in React.

3.React Components

- ➢ Class components vs. functional components.

➢ Component lifecycle methods.

4. Hooks (useState, useEffect, useContext, etc.)

➢ Building custom hooks.

5. React Router

➢ Introduction to React Router.

➢ Creating navigation with BrowserRouter and Link.

6. Nested routes and route parameters.

➢ Programmatic navigation.

➢ State Management

7. Introduction to state management in React

➢ Using Context API for global state.

8. Introduction to Redux

➢ Actions, reducers, and the Redux store.

9. React Forms

➢ Controlled vs. uncontrolled components.

➢ Form handling in React.

➢ Form validation.

➢ Handling multiple input fields.

BACKEND:

DOT NET:

DATABASE:

MONGODB:

✓ INTRODUCTION TO MONGO DB

✓ MONGODB ENVIRONMENT

✓ MONGODB CREATE DATABASE

✓ MONGODB DROP DATABASE

✓ MONGODB CREATE COLLECTION

✓ MONGODB DROP COLLECTION

✓ MONGODB READ OPERATIONS

- ✓ MONGODB WRITE OPERATIONS
- ✓ MONGODB DATA MODELLING