

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

MERN FULL STACK SYLLABUS:

- ✓ 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

BOOTSTRAP SYLLABUS:

- ✓ BS Introduction
- ✓ BS Grid Basic
- ✓ BS Typography
- ✓ BS Tables
- ✓ BS Images
- ✓ BS Jumbotron
- ✓ BS Wells
- ✓ BS Alerts
- ✓ BS Buttons
- ✓ BS Button Groups
- ✓ BS Glyphicons
- ✓ BS Badges/Labels
- ✓ BS Progress Bars
- ✓ BS Pagination
- ✓ BS Pager
- ✓ BS List Groups
- ✓ BS Panels
- ✓ BS Dropdowns
- ✓ BS Collapse
- ✓ BS Tabs/Pills
- ✓ BS Navbar
- ✓ BS Forms
- ✓ BS Inputs
- ✓ BS Inputs 2

MERN FULL STACK SYLLABUS:

- ✓ BS Input Sizing
- ✓ BS Media Objects
- ✓ BS Carousel
- ✓ BS Modal
- ✓ BS Tooltip
- ✓ BS Popover
- ✓ BS Scroll spy
- ✓ BS Affix
- ✓ BS Filters

BOOTSTRAP GRIDS:

- ✓ BS Grid Systems
- ✓ BS Stacked/Horizontal
- ✓ BS Grid Small
- ✓ BS Grid Medium
- ✓ BS Grid Large

BOOTSTRAP THEMES:

- ✓ BS Templates
- ✓ BS Theme "Simply Me"
- ✓ BS Theme "Band"
- ✓ BS Theme "Company"

BOOTSTRAP CSS REF:

- ✓ CSS All Classes
- ✓ CSS Buttons
- ✓ CSS Forms
- ✓ CSS Images
- ✓ CSS Tables

BACKEND:

NODE.JS:

- GETTING STARTED
- NODE CORE
- NODE MODULES
- FILE SYSTEM
- DEBUGGER
- AUTOMATION AND DEPLOYMENT

EXPRESS.JS:

- ✓ INTRODUCTION TO EXPRESS FRAMEWORK
- ✓ INTRODUCTION TO NODE JS
- ✓ WHAT IS NODE JS
- ✓ GETTING STARTED WITH EXPRESS
- ✓ YOUR FIRST EXPRESS APP
- ✓ EXPRESS ROUTING
- ✓ IMPLEMENTING MVC IN EXPRESS
- ✓ MIDDLEWARE
- ✓ USING TEMPLATE ENGINES
- ✓ ERROR HANDLING
- ✓ API HANDLING

- ✓ DEBUGGING
- ✓ DEVELOPING TEMPLATE ENGINES
- ✓ USING PROCESS MANAGERS
- ✓ SECURITY AND DEPLOYMENT

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.

- ✓ MONGODB READ OPERATIONS
- ✓ MONGODB WRITE OPERATIONS
- ✓ MONGODB DATA MODELLING
- ✓ MONGODB ADMINISTRATION

DATABASE:**MONGODB:**

- ✓ INTRODUCTION TO MONGO DB
- ✓ MONGODB ENVIRONMENT
- ✓ MONGODB CREATE DATABASE
- ✓ MONGODB DROP DATABASE
- ✓ MONGODB CREATE COLLECTION
- ✓ MONGODB DROP COLLECTION