

React Js Course

Overview

Duration	50 Days
Daily Class Hours	1 Hour
Medium	Online
Platform	Google Meet
Languages	Html, Css and Javascript
Framework/Libraries	React JS
IDE / Code Editor	Visual Studio Code

Note:-

Daily session recording will be shared for your future reference.

Syllabus

Module 1: Overview and HTML

- Introduction to Frontend Development
- Exploring what you will learn in this course

Module 2: HTML

- Introduction to Full Stack Development
- Exploring what you will learn in this course
- Introduction to HTML
- Elements and Attributes
- Boiler-Plate Structure
- Headings, paragraphs, links, images
- List, Form and Table
- Other Elements and Attributes
- Media Elements
- Symbols
- Semantics

Module 3: CSS

- Introduction to CSS
- CSS Syntax and Basic Selectors
- Colors and Units
- Text Styling and Backgrounds
- The Box Model (Margin, Padding, Border)
- Block vs Inline
- Combinators and Grouping

- Floating
- Gradients and Shadows
- Positions and Transitions
- Attributes Selectors
- List, Tables and Form Styling
- Pseudo Classes and Pseudo Elements
- Flexbox and Grid
- Responsive Design
- **Mini Project [Html and Css]**

Module 4: Bootstrap

- Introduction to Bootstrap
- Containers
- Grid System and Breakpoints
- Components and Utilities
- Customization
- **Mini Project [Html, Css and Bootstrap]**

Module 5: Git and GitHub

- Github Setup
- Working with Repository
- Multiple Branches in Repository
- Github Codespaces
- Collaboration as a Team on a Single Project in a Repository
- **Project Hosting with GitHub Pages**

Module 6: JavaScript

- Introduction to JavaScript
- Variables and Outputs
- Datatypes and Type Conversion
- Operators and Comments
- Conditional Statements and Loops
- Functions and Scope
- String, Array and Object Methods
- Arrow Functions and Higher Order Functions
- Exception Handling and DOM
- Object-Oriented Programming
- Encapsulation, Inheritance and Polymorphism
- Local Storage and JSON Data Structure
- Asynchronous Javascript
- Callbacks and Promises
- Async/await and Fetch API
- Error Handling & Debugging
- Introduction to Modules & Import/Export

Module 7: React JS

- Introduction to Node js, NPM and React Js
- JSX Structure and Components
- Props and Conditional Rendering
- Array Mapping and Event Handling
- State Management and Form Handling
- useEffect Hook and Components Lifecycle
- React Router Dom (Routing, URL Params, Nested Routes, Protected Routes)
- Rendering Media and Pages
- External and Inline CSS
- Lifting state up, prop drilling

- Context API and UseRef Hook
- Custom hooks, Error Boundaries and Optimization
- API Integration with Axios
- Pagination
- React Hook Form
- Material UI
- Ant Design
- Styled Components
- React Bootstrap
- React Redux
- **Final Project with hosting in Vercel platform**
- Next Js Project Setup

After Course:

- Certificates will be issued after course completion
- Mentor will help every student to create ATS friendly resume and a good profile in popular job portals for better search appearance
- The students will be added to a dedicated community where all available job opportunities will be posted.