

Saylani Mass IT Training

Web & Mobile App Development Course Outline

Module-1:

- 1) Html5
- 2) Css3
- 3) Bootstrap
- 4) Css3 Flex
- 5) Font Awesome
- 6) Google Fonts
- 7) Netlify Hosting
- 8) Firebase Hosting
- 9) Github
- 10) Github Hosting
- 11) JavaScript ES5 (Book: A smarter way to learn JavaScript)
- 12) Local Storage

1. ECMASCRIPT 6 (Topics)

- 1) let + const
- 2) template strings
- 3) destructuring
- 4) default + rest + spread
- 5) arrow functions
- 6) promises
- 7) map
- 8) classes
- 9) Hoisting
- 10) This keyword
- 11) forInLoop
- 12) forOfLoop
- 13) async/await
- 14) Closures (with Scope and it's benefits)

2. Firebase Services

- 1) User Authentication (Email/Password, Facebook)
- 2) Real Time Database
- 3) Cloud Storage

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Module-2:

1) React JS

I. React Introduction:

(Week-1, Class-1)

- SPA Vs Traditional Apps
- Angular v/s React
- Virtual Dom
- Single Data Flow (one Way)

II. Create React App (Hello Word):

(Week-1, Class-2)

- Basic App (Benefits of CLI)
- Code Structure
- JSX
- Input/Export
- Component Idea
- Composition (Breakdown)

III. Basic React Concepts:

(Week-2 & Week-3)

- Props
- States (Props v/s States v/s Variables)
- Conditions (Rendering v/s List Rendering)
- Styling
- Axios and useEffects (Sample App)

IV. Advance Concepts:

(Week-4)

- React Route (Auth Guard, Navigation, Route Params, Sub-Routes)
- Firestore
- UI Libraries (Building Responsive UI on Mobile Tablet and Laptop Screen, UI Components)
- Redux / Context API
- Formik / React Hook Form
- Debugging

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2) React Native:

- I. React Native Introduction
- II. React Native Cli vs Expo
- III. Configuration & Environment Setup
- IV. Mobile device configuration
- V. React Native UI components
- VI. Basic UI libraries
- VII. Basic Hardware libraries
- VIII. Google Map integration
- IX. Social Auths (Facebook, Google etc)
- X. Debug & Release build

3) Redux

4) Express/Node JS

5) MongoDB (Auth, web token, CRUD operation)

