Saylani Mass IT Training
Web & Mobile App Development Course Outline

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 —- 1 class
  - ☛ 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: — 3 classes
   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 — 1 class
4) Express/Node JS —- 3
5) MongoDB (Auth, web token, CRUD operation) —- 3 classes