**React and React Native**

**40 hours**

**JavaScript ES6 Features**

* Arrow functions
* Destructuring
* The Spread operator
* Template literals and string interpolation
* Modules and scope
* ES6 classes

**React JS**

* Creating React App with ES5
* Creating React App with ES6 features
* Creating React App with typescript
* React component
* Render function
* Component API
* Component Life cycle
* State
* Props
* Mixins
* JSX

**Components inter communication**

* Component composition
* Pass data from parent to child
* Pass data from child to parent

**React Event**

* Event introduction
* Types of event
* Child event
* Types of event

**React JS – Routers**

* What's in a URL
* React Router's core component
* Building the component of react-router
* The building Match
* The building Link
* The building Router
* The building Redirect

**React JS – With Rest API**

* Introduction to Web Service
* Type of Web Service
* SOAP Vs REST API
* REST API with expose the Resources
* GET, POST, DELETE and UPDATE
* Calling the Rest API using React JS using fetch and axios

**Introduction to React Native**

* An overview of the architecture of React Native.
* Cross-platform mobile development
* Setting up the development environment
* Working with the testing environment

**React Native Fundamentals**

* Class based component development
* Writing views in JSX
* Passing Props to components
* Managing state within components
* Style encapsulation within components.
* Working with remote APIs using Fetch

**Mobile interfaces**

* Building mobile interfaces in React Native.
* Working with text input, touches, scrollView and Lists.

**Development Tools**

* The Expo command line interface (CLI)
* The React Native CLI

1. **Layouts**
2. **Navigation**
3. **State management with Redux**
4. **Native Device Features(Camera , Maps , Location ….)**