React Js Lectureflow

Module 1) Introduction	**3**
Module 2) JavaScript Essentials	**6**
• Basic JavaScript - Understanding var, let and Const - JS switch, if, else, - JS loop - Javascript JSON • Functions - Function Declaration in JS - Arrow Functions - Higher Order Functions - Map, Reduce and Filter • Classes - Javascript Classes and Objects - Class Properties and Methods - This keyword and binding in JS - Class inheritance - Exports and Imports • Array in JS - Creating Array - Array methods - The Spread & Rest operators - Destructuring • JS Async - Callbacks - Promises - Async/Await • ES6 Basics and Babel • Understanding the DOM • Small Project using ES6	
Module-3) React - Components, State, Props	**8**
• Installation - Add React to a HTML Website - Create New React App - Hello World • Getting started in React • JSX • Components • Component Composition • JSX - Why JSX? - Embedding Expressions in JSX - Attributes with JSX - Children with JSX • Props & Prop Types • Event Handlers • State • React Web App • Components, State, Props - Function Component - Class Component - Props - State - Class Component Lifecycle	
Module 4) Lists and Hooks	**6**
• Conditional Rendering - Lists and Keys - Forms - Handling Events - Lifting State up • Hooks - Introduction - Using the State hook - Using the Effect hook - Rules of Hook - Custom Hook	
Module-5) React - Styling & Advance React	**5**

- Creating the first App
- Understanding the App
- Styling the App
- Inspecting & Debugging styles
- Built-in components
- Working with Images
- ListViews
- TextInput
- Styling React Components - CSS stylesheet - Inline Styling - CSS Modules - CSS in JS Libraries (styled components)
- Creating Views (Scenes)
- Conditional Rendering - Lists and Keys - Forms - Handling Events - Lifting State up
- Hooks - Introduction - Using the State hook - Using the Effect hook - Rules of Hook - Custom Hook
- Advance Concepts - Context, useContext() - Working with Refs and useRefs() - Fragments - Performance optimization with useMemo() - Styling React Components - CSS stylesheet - Inline Styling - CSS Modules - CSS in JS Libraries (styled components)
- Bootstrap with React
- React Router - Browser - Router - Link - Route - Template integration - Http Request in React - Get and Post data

Module 6) React Router	8

- React Router
- Browser - Router - Link - Route
- Template integration - Http Request in React - Get and Post data

Module-7) React - Applying Redux	8

- State
- State storage problem
- Redux Basics
- Redux Principles
- Implementing Redux
- React-Redux
- Middleware
- Counter App Demo
- Redux - Complexity of Managing state - Understand the Redux Flow - Setting up Reducer and store - Dispatching Actions - Passing and Retrieving Data with Action - Combining Multiple Reducers - Adding Middleware - Redux Dev tools