

REACTJS

MODULE 1:- WHAT IS REACT JS?
<ul style="list-style-type: none"> • React JS Introduction • Advantages of React JS • Work flow of React JS • Scope of React JS
MODULE 2:- OVERVIEW OF JSX
<ul style="list-style-type: none"> • Introduction of Virtual DOM. • Difference between JS and JSX. • React Components overview • Containers and components • What is Child Components? • What is Namespaced components? • What are the JavaScript expressions available in JSX?
MODULE 3:- REACT JS ENVIRONMENT SETUPS
<ul style="list-style-type: none"> • Node setup • How to use NPM? • How to create package.json and purpose of it? • ES6 Introduction and features. • Webpack Overview • Best IDE for React JS and How to write optimized code in React JS? • React JS browser plugins overview.
MODULE 4:- A REAL-TIME APPLICATION BY USING REACT JS
<ul style="list-style-type: none"> • Create a React component with JSX template. • How to create Nested Components? • What is React JS render? • React Props overview. • Introduction of Props validation with data types. • Flow of States, Initialize states and update states
MODULE 5:- REACT JS FORMS AND UI
<ul style="list-style-type: none"> • Lists of Form components. • Setup Controlled and Uncontrolled form components. • Control Input elements.

- How to set default values on all formats of Input elements.
- React JS Form validations.
- How to write Styles?
- Animations overview

MODULE 6:- REACT JS COMPONENT LIFE CYCLES OVERVIEW

- Initial Render
- Props Change
- Stage Change
- Component willMount
- Component didMount
- Component Unmount

MODULE 7:- ROUTING IN REACT JS AND OTHER JS CONCEPTS

- Single Page Application Overview.
- How to configure React Router?
- History of Router
- How to Handle Conditional statement in JSX?
- IIFE in JSX for complex logic overview

MODULE 8:- EVENT HANDLING IN JSX

- onBlur, onKeyUp, onChange and other useful primary events in React JS.
- How to Sharing events between the components?

MODULE 9:- HOW TO WRITE STYLES IN REACT JS?

- CSS and inline styles in React JS overview.
- Introduction to styled components

MODULE 10:- REACT ROUTER WITH NAVIGATION

- How to Load the router library?
- Configure the React Router?
- How to Pass and receive parameters?
- Integration of React-cookie overview

MODULE 11:- FLUX OVERVIEW

- What is Flux Architecture?
- What are the Flux Components available?
- Stores.
- Dispatchers.
- View Controllers.
- Actions.

- Views.
- How Flux works?
- Flux and React works together.

MODULE 12:- REDUX OVERVIEW

- Introduction to One Store.
- Provider Component
- Actions.
- Reducers.
- Sagas
- Dispatchers
- View Controllers
- Selector

MODULE 13:- UNIT TESTING OVERVIEW

- What are the necessary Tools required for Unit Testing?
 - React Unit Testing overview
 - Introduction to JEST.
 - How to Test React Component?
 - How to Test React Router?
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TechnoKraft Training & Solution Pvt. Ltd.
First Floor Kanchwala Avenue,
Above Viju's Dabeli, Thatte Nagar Marg,
College Road, Nashik,
Maharashtra 422005.

