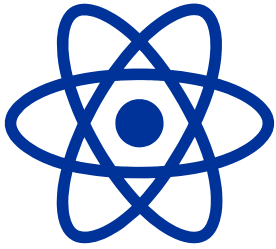
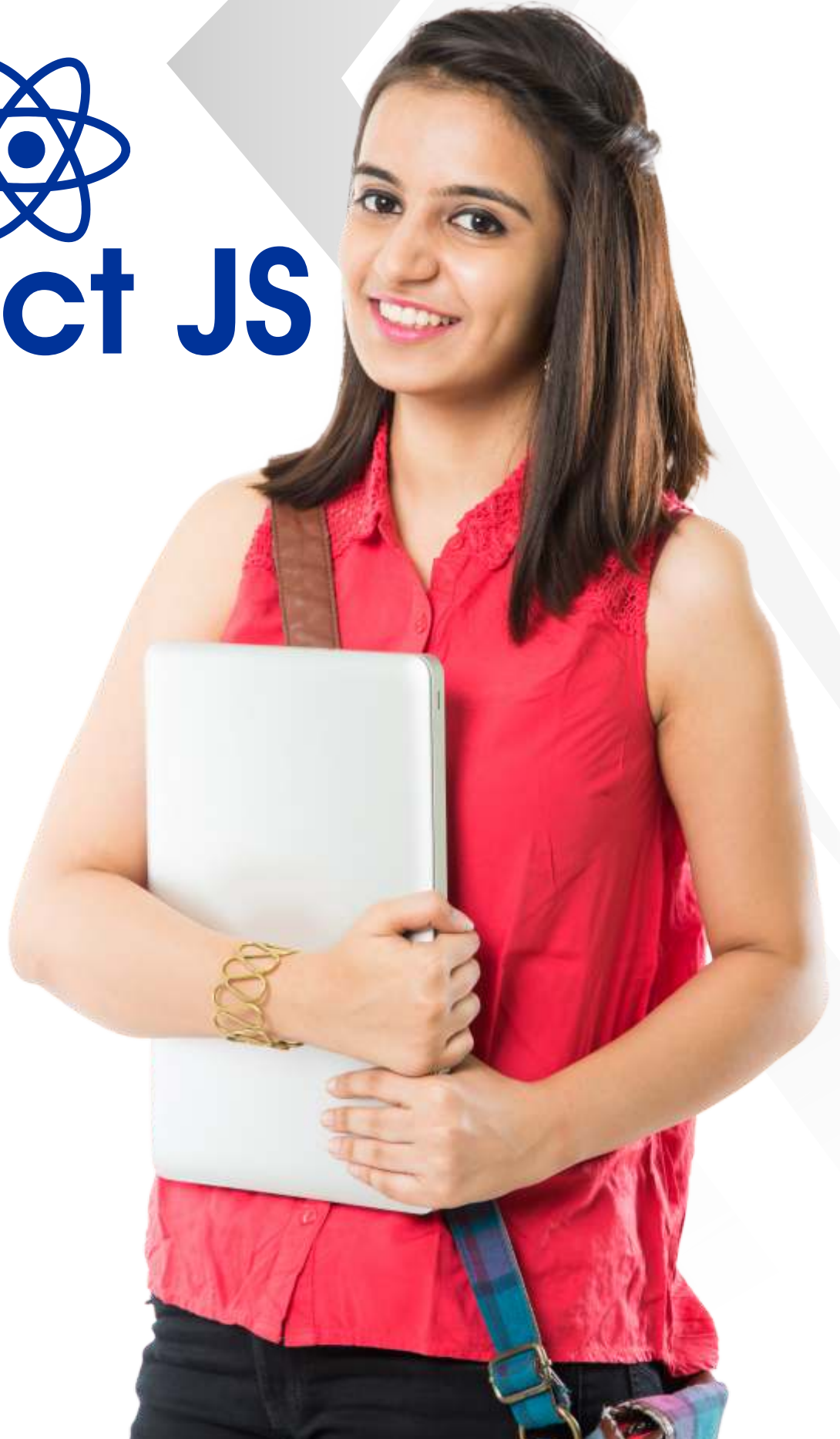


CELEBRATING
13 YEARS

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React JS



Javascript Concepts Related To React

- ⇒ Let, const
- ⇒ Arrow functions
- ⇒ Exports and imports
- ⇒ Classes with example
- ⇒ Inheritance
- ⇒ Spread and rest operator
- ⇒ Destructuring

React.js intro

- ⇒ What is react.js
- ⇒ Version history
- ⇒ Why React.js
- ⇒ Advantages
- ⇒ Internals
- ⇒ Software's required

React.js setup

- ⇒ Intro to node.js
- ⇒ Installation
- ⇒ Npm - package manager
- ⇒ Create first react application
- ⇒ Build and execute
- ⇒ Code editor setup

Core concepts of React.js

- ⇒ JSX
- ⇒ Diff between js and jsx
- ⇒ Comments in JSX ⇒ Virtual dom
- ⇒ JSX transpilation to react code example
- ⇒ JS expressions in JSX
- ⇒ Functional components / Class components
- ⇒ Components vs elements
- ⇒ Props / State ⇒ Fragments
- ⇒ Nesting of JSX
- ⇒ CSS styles using classes
- ⇒ CSS styles directly
- ⇒ Lists
- ⇒ Keys in list
- ⇒ Setting state
- ⇒ Lifting state up
- ⇒ Pass down a functions
- ⇒ Immutability vs mutability
- Event handling
- Component life cycle
- Props change vs state change
- Contexts
- Pure components

Form Handling

- ⇒ Create a react form
- ⇒ Client side form validation
- ⇒ Submit and reset the form

REST Apis

- ⇒ Coding rest api
- ⇒ Sending post request
- ⇒ CRUD operations with example

React Router

- ⇒ Routing and navigation
- ⇒ react -router
- ⇒ Router vs browser router
- ⇒ Route component
- ⇒ Redirect component
- ⇒ Retrieving route parameters
- ⇒ Query string parameters
- ⇒ Dynamically render components based on the url

Styling

- ⇒ CSS in js
- ⇒ Styled components

Component Libraries

- ⇒ MUI
- ⇒ React bootstrap

React hooks in detail

- ⇒ Class vs functional - hooks
- ⇒ Hook rules
- ⇒ useState
- ⇒ useEffect
- ⇒ useContext
- ⇒ useReducer
- ⇒ useMemo
- ⇒ useCallback
- ⇒ useImperativeHandle
- ⇒ useEffect
- ⇒ Custom hooks

Unit testing basics

State management - Redux basics

Sample app to start with



OUR STUDENTS ARE PLACED IN
