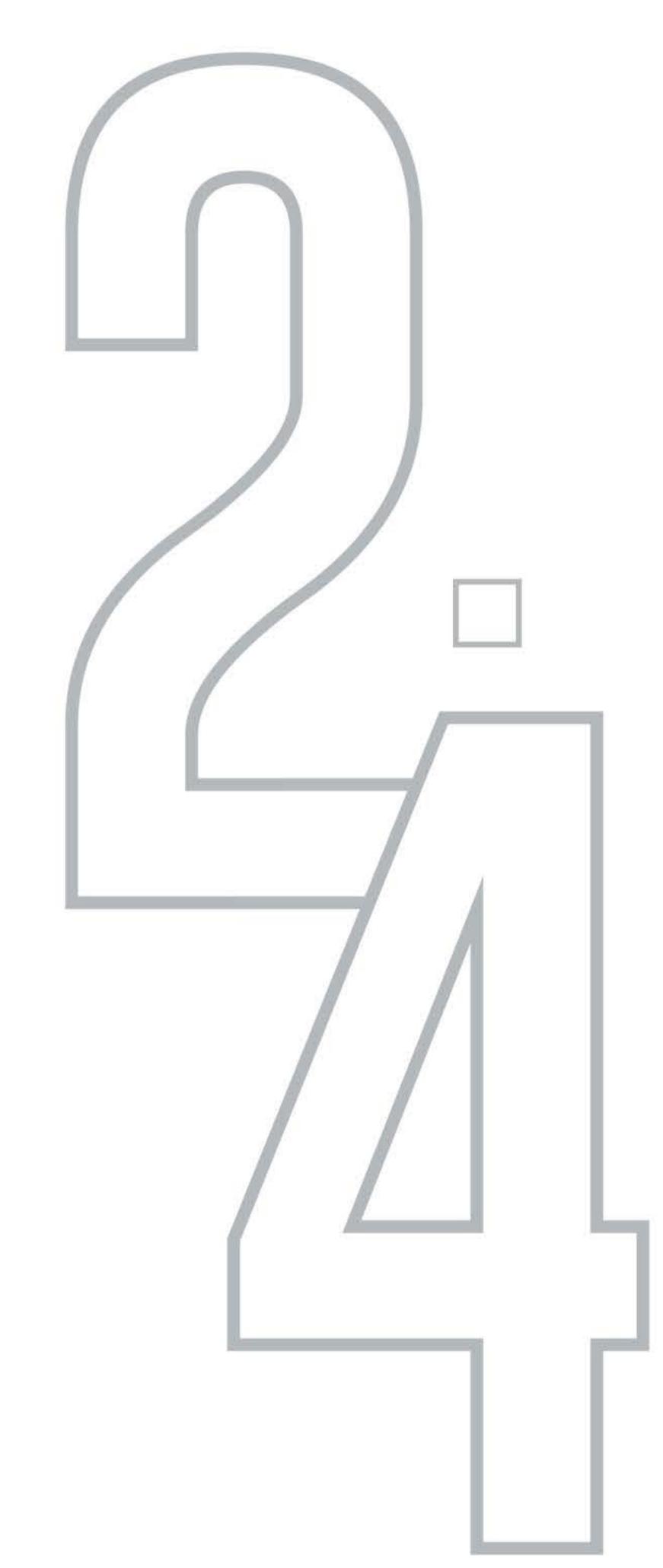






VERSION



SR. CODE

EAPL/CRASH/CRTC08

COURSE CODE

EACRJ

SUB CATEGORY

SOFTWARE DEVELOPMENT







REAGT 15 ELYSIUM ACADEMY

ELYSIUM ACADEMY CORE REACT JS





COURSE DESCRIPTION



The React.js course is designed to provide a comprehensive understanding of React.js, a powerful JavaScript library for building user interfaces. Through a combination of theoretical knowledge and hands-on exercises, participants will learn the fundamentals of React.js development, including component-based architecture, state management, routing, and handling user interactions.

COURSE GOALS

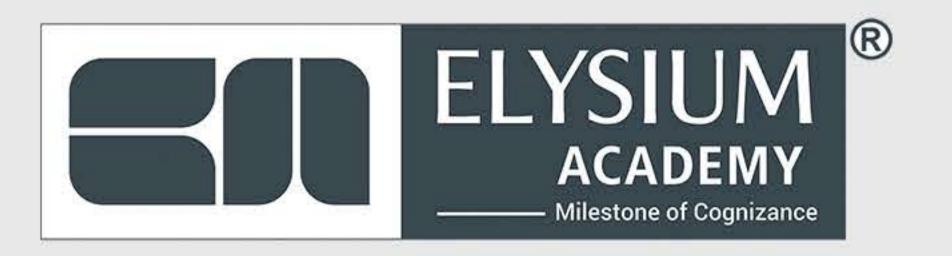


- · Learn the core concepts and principles of React.js development.
- Be able to build robust and scalable web applications using React.js.
- Gain hands-on experience with React.js development tools and best practices.

FUTURE SCOPE



The future scope for React.js developers is promising, given the increasing demand for interactive and responsive web applications. As React.js continues to gain popularity among developers and organizations, skilled React.js developers are in high demand in the job market.





CHAPTER CHAPTER

INTRODUCTION TO REACT JS

01.Installation

- a. what is react
- b. why react/react version
- c. using create-react app
- d. anatomy of react project
- e. running the app

02. Templating using JSX

01. Working with React JSX

- a. expressions
- b. specifying attributes
- c. fragments

CHAPTER

COMPONENTS

01. Types of components

- a. Functional components
- b. class components

02. Working with State and Props

- a. what is state and props
- b.purpose of state and props
- c. passing data to components using props and state

03. Rendering lists

- a. using react key
- b. using map function to iterate on a arrays to generate elements







O6.Event handling in React JS

- a. understanding React events
- b. passing arguments to event handlers understanding components

07.Understand the life cycle methods

CHAPTER

HOOKS

O1.Hooks

- a. purpose of hooks
- b. create hooks
- c. different types of hooks
- d. using state and effect hooks
- e. rules of hooks

O2. Working with react forms

- a. React JS form validation
- b. How to write styles on it

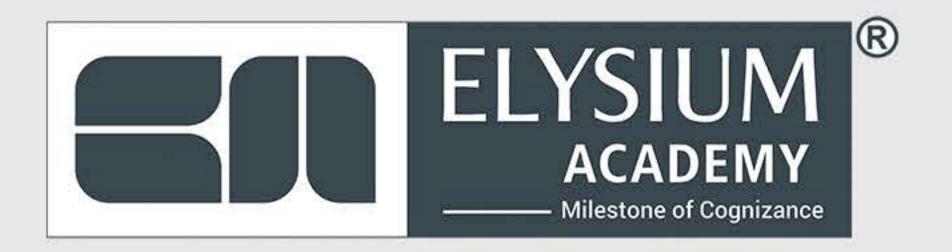


REACT-ROUTER

01. Routing with react-router

- a. setting up react-router
- b. understanding router in single page application
- c. working with browser router components
- d. navigating to pages using link components







CHAPTER CHAPTER

REDUX

O1.Introduction to Redux

- a. What is redux
- b. Why redux
- c. redux principles
- d. install& setup redux

O2.React-Redux

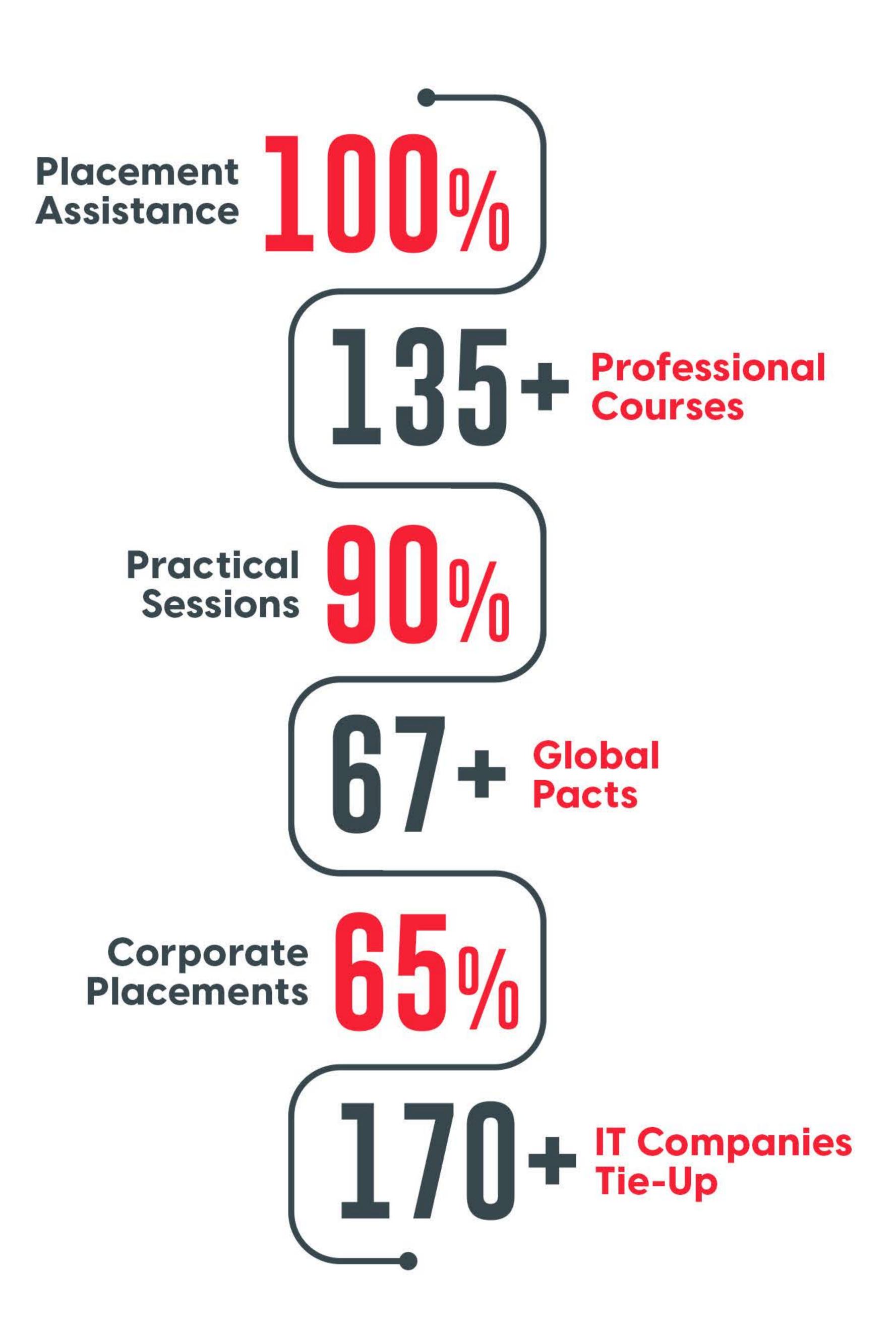
- a. what is react redux
- b. why react redux
- c. install and setup
- d. Action reducers and stop











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