

VERSION

2.4

CRASH COURSE

SR. CODE

EAPL/CRASH/CRTC08

COURSE CODE

EACRJ

SUB CATEGORY

SOFTWARE DEVELOPMENT



TOTAL DURATION

45
HOURS



THEORY TAKEN

11
HOURS



PRACTICAL TAKEN

34
HOURS

ELYSIUM
ACADEMY
CORE
REACT JS
**ELYSIUM
ACADEMY
CORE
REACT JS**

ELYSIUM
ACADEMY
CORE
REACT JS
ELYSIUM
ACADEMY

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.

01

CHAPTER

INTRODUCTION TO REACT JS

O1. Installation

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

O2. Templating using JSX

O1. Working with React JSX

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


03
HRS


05
HRS

02

CHAPTER

COMPONENTS

O1. Types of components

- a. Functional components
- b. class components

O2. 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

O3. Rendering lists

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


04
MINS


12
HRS

O6.Event handling in React JS

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

O7.Understand the life cycle methods

03

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



03
HRS



08
HRS

04

CHAPTER

REACT-ROUTER

O1. 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



01
HRS



02
HRS

05

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



02
HRS



05
HRS

Placement Assistance

100%

135+ Professional Courses

Practical Sessions

90%

67+ Global Pacts

Corporate Placements

65%

170+ IT Companies Tie-Up

ELYSIUM
GROUP OF
COMPANIES

**ELYSIUM
ACADEMY**

**PRIVATE
LIMITED**

AUTHORIZED INTERNATIONAL

Partners

