Upgrade your skills

CREDO SYSTEMZ

React JS Course Curriculum

Our React JS course in Chennai exclusively framed a course content which covers all the important and latest concepts from scratch to advance level which is prepared by our React professional expert trainers to make it suitable for beginners as well. Our React JS course content ensures to cover all the skill set up to industrial standard to lead a successful career path.

Who We Are

Credo Systemz boasted as the Best IT Training institute in Chennai, aim in educating the workforce to the IT industry. Along with a team of highly experienced and qualified trainers, we offer state of the art training with excellent infrastructure to keep you above par for the emerging IT skill trends.

With individual attention to our Customers, unique mentorship from trainers with hands-on project training, career & placement guidance, we have 15000+ happy customers who have distinguished us from our competitors, with their satisfied reviews.

Why Choose US

Be it an individual or a corporate collaboration, our dedicated team will serve and assist you for your needs to enhance the effectiveness of training with utmost commitment to your professional development. Also, with comprehensive course duration & Flexible schedule & training pattern, allowing candidates to choose between week day \ week end sessions, or online learning sessions or for our corporate friends to conduct the training in their office premises, we are committed to deliver as per the need of our customer.

I recommend Credo Systemz for React JS course based on my training experience which has upskilled my knowledge with hands on training. As a beginner my trainer made it easily for me to learn with explaining every concept very clearly using many examples. He is very friendly, readily available to clear my doubt and help us to complete real world projects with code reviews.

Jenisha

Real Time Projects

Live project based on most of the selected use cases, involving the various packages of React JS.

Lifetime Support & Access

Lifetime access to our LMS and Technical Forum for 24x7 online support team who will resolve all your technical queries.

Hands-on Assignments

Every React JS sessions will be followed by practical assignments which aggregate to a minimum of 60 hours.

Assured Placement

We have dedicated Placement Team that is constantly engaging with the industry to find the right opportunity for you.

Expert Faculty

Our React JS curriculum has been specifically designed and delivered by our expert faculty who has great industry exposure.

Certification

Successful completion of the final project will get you certified as a React JS Professional by Credo Systemz.Services.

JavaScript, ES6 JS - Program Curriculum

01 *JavaScript*

Topics

- Introduction
- What is JavaScript?
- JavaScript Features
- JavaScript Libraries
- Understanding HTML, CSS, JavcScript
- JavaScript VersionES5
- ES6/ES2015
- ES7/ES2016
- ES8/ES2017
- Data Types
- Number
- String
- Boolean
- Undefined
- Null

- Variable Mutation
- Basic Operator
- Operator Precedence
- Shorthand operator
- Problem statement
- Decision making statement-if else
- if else - example
- Comparing the problem statement solution
- Switch statement - example
- Boolean logic
- Boolean logic example
- Ternary operator
- Ternary operator example
- Tips

- Functions
- Function statement
- Function Statement Example
- What is Array
- Real world Problem Ecommerce
- Real world problem transport
- Space and the Complexity
- Built in function Complexity
- Examples of Array
- Objects, When to use it
- Objects and Methods
- Loops and Iteration
- For Loop
- Continue and Break Statement

02 *ES6 JavaScript*

Topics

- History of JavaScript
- Features
- let & const and its example
- Arrow Functions
- Alternative

- Tips and Arrow Functions
- Exports and Imports
- Tips for exports and im ports
- Classes

- Classes example
- Inheritance
- Spread and rest Parameter
- Destructing

REACT JS - Program Curriculum

01   *What is React JS?*

Topics

- React JS Introduction
- Advantages of React JS
- Work flow of React JS
- Scope of React JS

02   *Overview of JSX*

Topics

- 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 ex pressions available in JSX?

03   *React JS Environment Setups*

Topics

- 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.

Hands-on Practicals:

- NPM Installation by locally and Globally
- Create a Basic App with React JS and other Supported NPMs.

04 A Real-Time Application by using React JS

Topics

- 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.

Hands-on Practicals:

- Create a Small React Module

- Use All the states in the created Application.

05 React JS forms and UI

Topics

- 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

Hands-on Practicals:

- Create a React Form.
- Client-side form validation.

- Applying form components.
- Submit and Rest the form.

06 React JS Component Life Cycles Overview

Topics

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

Hands-on Practicals:

- Applying Different Lifecylces in the Application.
- When to choose Appropriate lifecycles.

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07 Routing in React JS and Other JS concepts

Topics

- 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.

Hands-on Practicals:

- Create a Single Page Application.
- Applying Routing.
- Dynamically render the com
- ponents based on the url.

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08 Event Handling in JSX

Topics

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

Hands-on Practicals:

- Create a Single Page Application.
- Applying Routing.
- Dynamically render the components based on the url.

09 How to write Styles in React JS?

Topics

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

Hands-on Practicals:

- Styling the application using styled component
- How to use Animations in the Application.

10 React Router with Navigation

Topics

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

11 Flux, Redux overview

Topics

- What is Flux Architecture?
- What are the Flux Components available?
    1. Stores.
    2. Dispatchers.
    3. View Controllers.
    4. Actions.
    5. Views.
- How Flux works?
- Flux and React works together.
- Introduction to One Store.
- Provider Component
- Actions.
- Reducers.
- sagas
- Dispatchers
- View Controllers
- Selectors

Hands-on Practicals:

- Redux application Development with Real-time Project

12 Unit Testing Overview

Topics

- 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?

13 Integration with other libraries

Topics

- Gulp & Browserify
- React with jQuery
- React & AJAX

14 React Server Integration with Deployment

Topics

- https
- httpster
- npm

15 Hooks

Topics

- Understanding Hooks
- The useState hook
- Side effects using the useEffect hook
- The useContext hook
- The useReducer hook
- Writing your own hook

16 Code Spliting

Topics

- Code splitting & Suspense
- Route Based Code Splitting
- Lazy Loading

17 Isomorphic React

Topics

- Server Side Rendering
- SSR with React - Setup & Server
- SSR with React - The Toolchain

18 Testing Component

Topics

- Using Jest with Test Utils from React-DOM
- Using Jest with the React Testing Library
- Using Jest with Enzyme

19 Epilogue

Topics

- The React ecosystem

20 New Features of React 16

Topics

- Handling exceptions in components
- Error boundaries

21 Webpack Primer and Isomorphic React

Topics

- Webpack and its use
- Setting up and installing Webpack
- Working with the configuration file of Webpack
- Working with loaders
- Quick word on lazy loading, code splitting, and tree shaking
- Setting up a hot module re placement
- Server-side rendering (SSR)
- Working with render To Stat icMarkup and renderToString methods
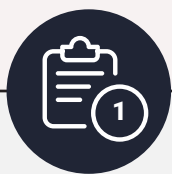
22 F etch data using GraphQL L

Topics

- What is GraphQL?
- Cons of Rest API
- Pros of GraphQL
- Frontend backend communi cation using GraphQL
- Type system
- GraphQL datatypes
- Modifiers
- Schemas
- GraphiQL tool
- Express framework
- NPM libraries to build server
- side of GraphQL
- Build a GraphQL API
- Apollo client
- NPM libraries to build client side of GraphQL
- How to setup Apollo client

Real Time Projects For - Case Studies

Payment Portal

Build a Paymnet portal with multiple components and its interactions. Utlize its life hooks, various events and implement forms with validations.

HTTP App Project with various API

Connect your React JS App with various APIs like Weather, News, Jokes. Here you can experience how to resolve CORS error and Request, Response life cycle.

Realtime Ecommerce App

Create a new Ecommerce project with Authorization and Authentication. All forms with validations and send AJAX request to backend.

All the way from skilling to placement end-to-end Career Support

SESSIONS WITH INDUSTRY MENTORS

Attend sessions from top industry experts and get guidance on how to boost your career growth

MOCK INTERVIEWS

Mock interviews to make you prepare for cracking interviews by top employers

RESUME PREPARATION

Get assistance in creating a world-class resume from our career services team

GUARANTEED INTERVIEWS & JOB SUPPORT

Get interviewed by our 400+ hiring partners

Completion Certificate

Credo Systemz's certificate is highly recognized by 1000 +Global companies around the world.

Recent Placed Candidates

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Cognizant

Suganya

Batch : Feb 2021

A3logics
IT Consulting & Professional Services

Sathish

Batch : Aug 2021

AllianceTek
EMPOWERING IT SOLUTIONS

Vinoth

Batch : Mar 2021

Hyperlink
InfoSystem

Kunal

Batch : Jul 2021

Infosys

Ramya

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CREDO SYSTEMZ
Simplifying IT