

React JS


PLACEMENT ORIENTED COURSE AT



DETAILED CURRICULAM

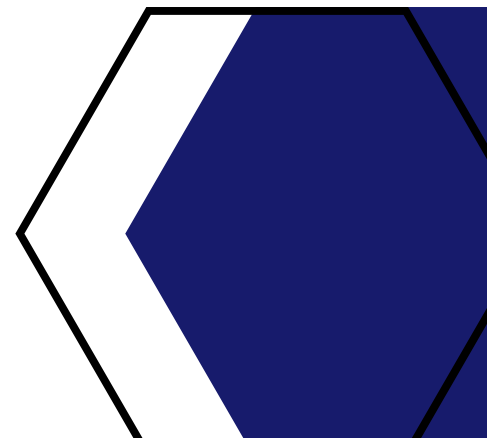
DURATION: 3 MONTHS (3 DAYS A WEEK)

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Course Overview

The ReactJS Mastery course is designed to provide participants with a comprehensive understanding of ReactJS, a popular JavaScript library for building user interfaces. This course will cover the fundamental concepts of ReactJS and guide students through hands-on exercises and projects to solidify their knowledge and skills. By the end of the course, participants will be equipped to develop robust and efficient ReactJS applications.

Course Outline

Module 1: Basics of Frontend Technology

- Basics of HTML and different tags in HTML.
- Basics of CSS.
- Bootstrap.
- Concepts of Javascript.

Module 2: Introduction To React JS

- Introduction to ReactJS and its advantages.
- Understanding the Virtual Dom.
- Setting up the development Environment.
- Creating Basic React Components.

Module 3: JSX & Components

- Understanding of JSX syntax and its benefits.
- Creating Functional and Class Components.
- Component lifecycle Method.
- Working with props and state.



Course Outline

Module 4: React Routing

- Introduction to React Router.
- Configuring Routes and Navigation.
- Handling Dynamic Routes and URL Navigation.
- Implementing nested routes and route guarding.

Module 5: React Hooks

- Introduction to React Hooks and their benefits.
- Working with useState, useEffect and useContext.
- Custom Hooks and their implementation.
- Migrating Class Components to Functional Components with hooks.

Module 6: State Management With Redux

- Understanding the need for state management.
- Introduction to Redux and its core principles.
- Setting up Redux in React Application.
- Managing application state with actions and reducers.

Module 7: Advanced Topics

- Working with Forms and Form Validation in React.
- Implementing Client-server communication with REST API's.
- Handling asynchronous operations with Redux Thunk or Redux Saga.
- Performance Optimization techniques in React.



Course Outline

Module 8: Real World Project & GIT

- Project Development in ReactJS
- Applying learned Concepts to build Complete application.
- Learning GIT basics and to commit the application on GIT.

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- Expert-Led Mentoring Sessions
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FOR ANY QUERIES ON COURSE

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