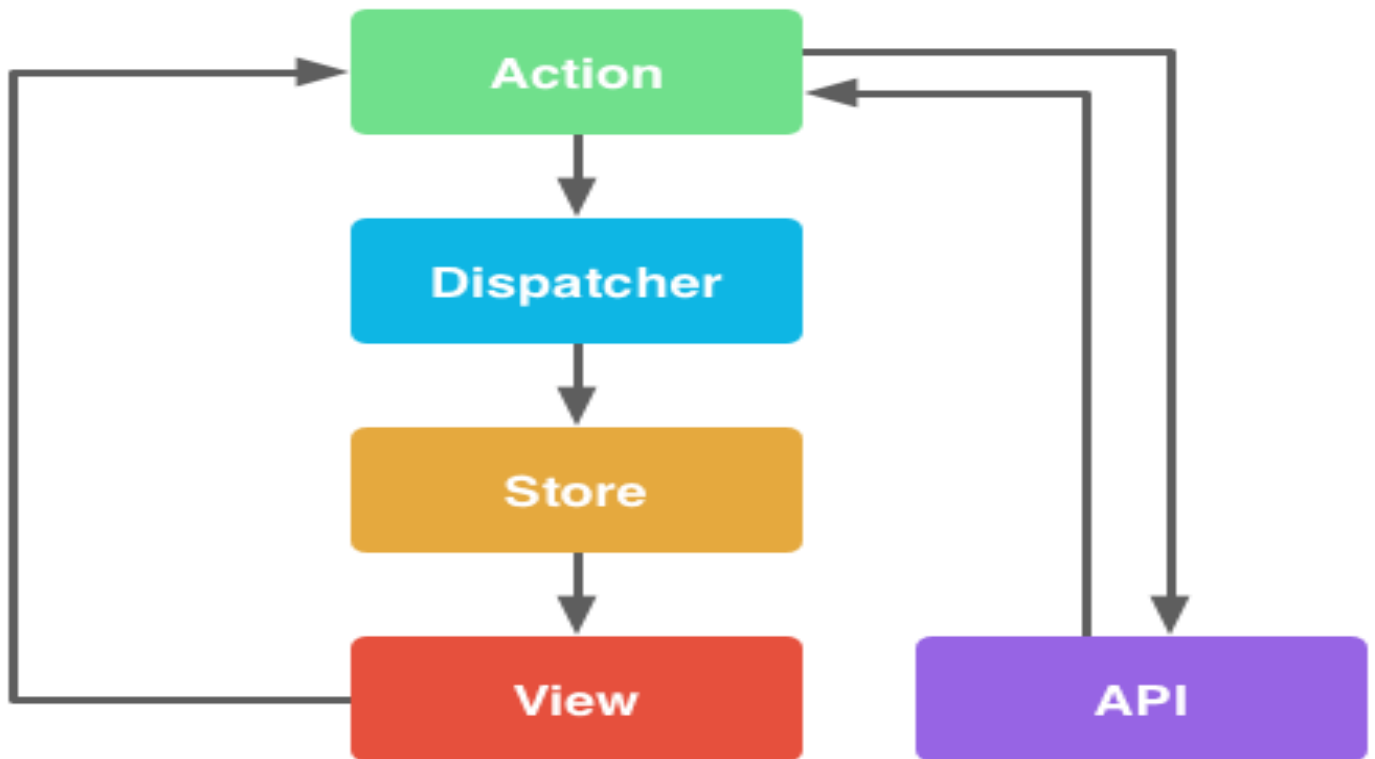# Overview

Let eMexo Technologies **Best React JS Training in Electronic City Bangalore** take you from the fundamentals of ReactJS to Advance ReactJS and make you an expert in developing real-time ReactJS applications. Here are the major topics we cover under this ReactJS course Syllabus **Introduction to Web Development & React, Components & Styling the application layout, Handling Navigation with Routes, React State Management using Redux, Asynchronous Programming with Saga Middleware, React Hooks, Fetch Data using GraphQL, React Application Testing & Deployment, Introduction to React Native, and Building React Native Application with API.** Each topic will be covered in a practical way with examples for our React JS Course in Electronic City Bangalore.

All the topics will be covered with Practical and hands-on training. Our trainers have industry experience with live project experience in cutting-edge technologies which they teach. We hire only the Best ReactJS industry specialists as trainers for our **ReactJS Certification Training in Electronic City Bangalore**.

If you are looking for a React JS Certification Course in Electronic City Bangalore, eMexo Technologies is the **Best React JS Training Institute in Electronic City Bangalore**. Come over to our training institute for a free demo class. Let our trainer give you a demo on ReactJS and only then you take the decision to enroll in the training program.

Training Features

Real-life Case Studies

Do a real-life case study to understand the usage in real-world scenarios.

Assignments

Each class will be followed by a practical assignment switch that can be completed before the next class.

Preparation for interview

Our trainers are professionals working in multinational corporations. They are experts in their field and they know exactly what the interviewer will look for in the candidate. Experienced trainers not only share interview questions but also conduct mock interviews to help prepare for the actual interview.

Key Features

eMexo Technologies offers the **Best React JS Training Course in Electronic City Bangalore** with the TOP industry expert trainers.
Here are the key features.

- ★ Free Demo Class Available
- ★ Practical Approach

★ Expert & Certified Trainers
★ 100% Job Oriented Training
★ Real World use cases and Scenarios
★ Completed 500+ Batches
★ Certification Guidance

Unit 1: Introduction to Web Development & React

➢ Building Blocks of Web Application Development

➢ Single-page and Multi-page Applications

➢ Different Client-side Technologies

➢ MVC Architecture

➢ Introduction to React

➢ Installation of React

➢ JSX and its use case

➢ DOM

➢ Virtual DOM and its working

➢ ECMAScript

➢ Difference between ES5 and ES6

➢ NPM Modules

➢ Hands-On

Unit 2: Components & Styling the application layout

➢ React Elements

➢ Render Function

➢ Components

➢ Class Component

➢ Component Constructor

➢ Functional Components

➢ Multiple Components

➢ Props

➢ Props with Class-based Component

➢ Props with Function based Component

➢ States

➢ Component Lifecycle

➢ React Events

➢ React Forms

➢ Different Form Concepts

➢ Styling in React

➢ Inline Styling

➢ CSS Stylesheet

➢ Building Music Shop Application using React Components

➢ Hands-On

Unit 3: Handling Navigation with Routes

➢ Routing

➢ react-router

➢ Features of react-router

➢ Configuration of routing using react-router

➢ Navigation using Links

➢ 404 page (Not found Page)

➢ URL Parameters

➢ Nested Routes

➢ Implementing styles using NavLink

➢ Application Programming Interface

➢ Build a REST API using JSON-server

➢ API consumption in React application using Fetch method

➢ Build a dynamic Music Store application using Routing and API connectivity

➢ Hands-On

Unit 4: React State Management using Redux

➢ Need of Redux

➢ What is Redux?

➢ Redux Architecture

➢ Redux Action

➢ Redux Reducers

➢ Redux Store

➢ Principles of Redux

➢ Pros of Redux

➢ NPM Packages required to work with Redux

➢ More about react-redux package

➢ Hands-On

Unit 5: Asynchronous Programming with Saga Middleware

➢ Need of Async operations

➢ Async Workflow

➢ Action Creators

➢ How to write Action Creators?

➢ Handling Async Actions via Reducers

➢ Middleware

➢ Redux-Saga

➢ Generators in Redux-Saga

➢ Saga Methods()

➢ Major Sections of Redux-Saga

➢ Building a Product List application using Redux-Saga Middleware

➢ Debugging application using Redux Devtools

➢ Hands-On

Unit 6: React Hooks

➢ Caveat of JavaScript classes.

➢ Functional components and React hooks

➢ What are React hooks?

➢ Basic hooks

➢ useState() hook

➢ How to write useState() hook when the state variable is an array of objects

➢ useEffect() hook

➢ Fetch API data using useEffect() hook

➢ useContext() hook

➢ Rules to write React hooks

➢ Additional hooks

➢ Custom hooks

➢ Hands-On

Unit 7: Fetch Data using GraphQL

➢ What is GraphQL?

➢ Cons of Rest API

➢ Pros of GraphQL

➢ Frontend backend communication using GraphQL

➢ Type system

➢ GraphQL datatypes

➢ Modifiers

➢ Schemas

➢ GraphiQL tool

➢ Express framework

➢ NPM libraries to build the server side of GraphQL

➢ Build a GraphQL API

➢ Apollo client

➢ NPM libraries to build client side of GraphQL

➢ How to setup Apollo client

➢ Hands-On

Unit 8: React Application Testing & Deployment

➢ Define Jest

➢ Setup Testing environment

➢ Add Snapshot testing

➢ Integrate Test Reducers

➢ Create Test Components

➢ Push Application on Git

➢ Deploy App on Nginx

➢ Create Docker for React Application

➢ Hands-On

Unit 9: Introduction to React Native

➢ Native Applications

➢ React Native

➢ React Native Elements

➢ Expo CLI

➢ Build a shopping cart mobile application using React Native

➢ React Native installation and setup

➢ Working with Styles and Layout

➢ Hands-On

Unit 10: Building React Native Application with API

➢ Native modules

➢ Native Navigation libraries

➢ Integration of Redux with React Native

➢ React Native and Redux major components

➢ Redux Thunk middleware

➢ NPM libraries

➢ Shopping cart application using React Native and Redux

➢ Integration of Redux actions, store, and reducers In React Native application

➢ Hands-On

FAQs

1. How is the training organized? How much percentage is theoretical and how much is practical hands-on?

We at eMexo believe nothing beats hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical and hands-on-oriented. You learn a concept, you practice it then and there with the trainer. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer the next day.

2. What is the course duration? How and when do you plan to complete the course?

We generally cover our courses in 60 hours, however, we are aware that we can't put a hard- stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 48 hours or 60 hours, doesn't matter.

3. What is the material provided in the training?

We have industry standard course material which is used by our trainers to train you. At the end of the training apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions, etc.

4. Do you help in preparing for the interview?

Our trainers are working professionals who work in MNCs. They are the expert in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions will also conduct mock interviews to help you prepare for the real interview.

5. Who are your trainers?

Our trainers are industry experts who work in their respective technologies day in and day out. They work in MNCs and are technology experts within their organizations.

6. **What is the total batch size per course?**

We maintain a strict batch size of a maximum of 5 students. We also provide exclusive one-to-one training as well. Talk to our training partner to get more details.

7. Do you provide certification for the course?

Yes, at the end of training we provide a certification of completion.

8. Will I be joining a new batch or be merged with another batch?

You will be added to a new batch.

9. Is fast track training available?

Yes, we provide fast-track training as well for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain the same. However, the trainer will be spending more hours with you to complete the course.

10. Do you assist in job placement?

Our trainers are expert professionals in their organizations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look for in a resume.

11. Timings for training - Regular training/weekend training

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

12. Will you be working on a live project during training?

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and working with you for the implementation.

13. What happens if I miss a class?

If you miss a class the content of that class will be taught to you again. With us, you might miss a class but not the content.

14. Can I attend a demo before the actual class?

Yes, absolutely! Talk to our training counselor on phone at **+91-9513216462** or email us at **info@emexotechnologies.com** to arrange a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.