

# Mobile App Development with React Native Expo – From Zero to Hero

**Course Format:** Video Series

**Language:** Hindi/Urdu

**Level:** Beginner to Advanced

**Total Videos:** 20

**Tools & Libraries:** React Native, Expo, Nativewind, Redux Toolkit, Zustand, Firebase, Async Storage, Secure Store, Reanimated, Gesture Handler, Axios, React Hook Form & Yup.

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## Course Outline

Module 1: Getting Started

### 1. Introduction & Installation of React Native Expo

- Overview of React Native & Expo
- Setting up the development environment
- Running the first Expo project

### 2. Expo Router – Introduction & Setup

- What is Expo Router
- Installing and configuring routing in Expo apps

### 3. Using Nativewind with React Native Expo

- Tailwind CSS utility classes with Nativewind
- Styling components efficiently

### 4. File & Folder Structure + Basic Concepts

- Organizing the project structure
- Core concepts of React Native components

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Module 2: Core Concepts & Navigation

### 5. Reanimated & Gesture Handler

- Smooth animations using Reanimated
- Handling gestures in mobile applications

## **6. React Hooks Explained**

- Understanding useState, useEffect, useRef
- Creating and using custom hooks

## **7. Advanced Navigation Techniques**

- Implementing Stack, Tab, and Drawer Navigation
- Dynamic routing with Expo Router

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### Module 3: Working with APIs & Forms

## **8. API Integration – GET, POST, PUT, DELETE**

- Making RESTful API calls using Axios
- Managing responses and errors

## **9. Form Validation using React Hook Form & Yup**

- Building forms in React Native
- Applying validation using Yup

## **10. Local Data Storage**

- Storing data with Async Storage
- Securing data using Secure Store

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### Module 4: State Management

## **11. Prop Drilling Explained & Context API**

- Understanding prop drilling issues
- Managing global state with Context API

## **12. State Management with Redux Toolkit**

- Setting up Redux Toolkit in a React Native app
- Creating slices, actions, and reducers

### **13. State Management with Zustand**

- Introduction to Zustand
- Comparing Context API, Redux Toolkit, and Zustand

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#### Module 5: Firebase Integration

### **14. Firebase Authentication – Signup Functionality**

- Setting up Firebase project
- Implementing user registration

### **15. Firebase Authentication – Login Functionality**

- Creating secure login system

### **16. Firebase Authentication – Forgot Password**

- Implementing password reset via email

### **17. Firebase Authentication – Logout Functionality**

- Creating logout functionality and clearing sessions

### **18. CRUD Operations with Firestore Database**

- Creating, reading, updating, and deleting data
- Integrating with Firestore

### **19. CRUD Operations with Realtime Database**

- Managing live data
- Using Firebase Realtime Database

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#### Module 6: Extra Features

### **20. Dark/Light Theme Toggle using Zustand**

- Implementing theme toggle functionality
- Managing theme state with Zustand

## **GitHub Repositories**

<https://github.com/farzeen-ali/React-Native-Expo-Course-2025>

<https://github.com/farzeen-ali/Expo-with-Firebase>