

**Course** : **Build Mobile Applications With React Native - part 1**

**Duration** : **20 Hours (4 hours \* 5 Days )**

**Course Level** : Intermediate

**Course Outline** : In this course you will learn about React Native which is open source mobile application Frame works used to develop application for iOS, Android and Windows.

**Pre-Requisite** :

**should have a basic knowledge of JavaScript.** You should have some familiarity with HTML and CSS

**What Participant will Learn** :

- Introduction to react native
- The difference between functional and class components
- Use React Context and React Hooks
- Integrate REST APIs in the project
- Tab Navigation with native navigation behavior
- Fetch and show data, filter by categories and search by keyword
- Implement login and signup via email and google

**Contents** :

### **Day 1**

- Introduction
- Environment Setup
- Create a React Native App
- Exploring The Default App Code
- Running on iOS

### **Day 2**

- Running on Android
- Running with Terminal
- What is JSX
- Imports and Exports: Creating components
- Functional vs. Class Components
- Explaining State for Functional and Class Components
- Lifecycles Explained
- Props in Components
- Understanding Styling
- Identifying Components

### **Day 3**

- Project Structure
- Building the Splash Screen

- Button Component: Pressable vs. TouchableOpacity
- Colors Management
- Creating Authentication Header
- Building Input Component

#### **Day 4**

- Password Input Eye Toggling
- Building Checkbox Component
- Giving Custom Style to Reusable Components
- Building Separator Component
- React.memo: What it is and Why to Use
- Google Login: component & native setup
- Checking Google Login on Android & iOS
- Using Environment Variables
- Building Sign Up Footer Actions

#### **Day 5**

- Building Sign in Screen
- Creating Github Repository & Git Initialization
- Pushing Changes to Git
- Git Branching System
- React Navigation Introduction
- Setup React Navigation
- Manage Navigation Theme
- Moving Between Screens
- Hiding Default Navigation Header
- Fixing Safe Area Issues
- Setup Bottom Tabs
- Customizing Tabs Design

Course will have theory, demonstration, assignments. The course will begin with Pre Test and end with Post Test