



REACT NATIVE MOBILE APP DEVELOPMENT

1. Introduction to React Native
2. UI Fundamentals
3. React Native Basics
4. Advanced Components and Layouts
5. Navigation

MODULE 1 : INTRODUCTION TO REACT NATIVE

- Overview of Mobile Development
- Role of React Native & its Benefits
- Learning Curve and Project Environment Setup

MODULE 2 : UI FUNDAMENTALS

- Basic Components: View, Text, TextInput, Image, Checkbox, Pickers, Touchables, Switch
- UI Styling: Inline and Stylesheets
- Resolution-Independent UI with Flex and Dimensions API

MODULE 3 : REACT NATIVE BASICS

- Class and Functional Components
- Core Concepts: States, Props, Rendering Cycle

MODULE 4 : ADVANCED COMPONENTS AND LAYOUTS

- Advanced Components: ScrollView, FlatList, Modal, Activity Indicator
- Layouts for Screen Creation

MODULE 4 : NAVIGATION

- Advanced Components: ScrollView, FlatList, Modal, Activity Indicator
- Layouts for Screen Creation



REACT NATIVE MOBILE APP DEVELOPMENT

- 6.Data Management
- 7.Client-Server Interaction
- 8.Debugging and Lifecycle
- 9.React Hooks
- 10.State Management with Redux
- Final Project

MODULE 6 : DATA MANAGEMENT

- Local Storage and Async Storage
- Basics of JavaScript: Objects, Arrays, String Library Functions

MODULE 7 : CLIENT-SERVER INTERACTION

- Basics of Client-Server Architecture
- REST API Integration
- Login Mechanism

MODULE 8 : DEBUGGING AND LIFECYCLE

- Debugging Concepts
- Class Lifecycle Methods

MODULE 9 : REACT HOOKS

- Introduction to Hooks: useState, useEffect, useCallback, useRef

MODULE 10 : STATE MANAGEMENT WITH REDUX

- Global State Management with Redux
- Middleware: Thunk

FINAL PROJECT

- The final project will give students the opportunity to demonstrate their understanding of the tools by using one of the tools to create a project.