ADACODE
Solutions

REACT NATIVE APP DEVELOPMENT

About Us

Adacode Solutions excels in innovative software solutions, specializing in IoT, Robotics, Cloud, Data Science, and more. Trust us as your partner for cutting-edge solutions, shaping the future of technology.

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- ✓ **Scholarship for Students**
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We provide English training for effective language proficiency.

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We offer soft skill sessions for holistic professional development.

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REACT NATIVE
APP DEVELOPMENT

Who Should Join This Course

➡ **Developers aiming for cross-platform mobile app expertise.**

➡ **Coding enthusiasts venturing into mobile application development**

➡ **Professionals expanding skills in the tech industry.**

Course Content

- Introduction to React Native and Setup
- Fundamentals of React Native
- Navigation in React Native
- Advanced UI Components
- State Management
- Networking and Data Storage
- Testing and Debugging
- Deployment and Continuous Integration
- Advanced Topics and Future Trends
- Final Project and Capstone

Course Details

Duration: 6-8 Months

10 Modules

Unlimited Lab Access

Final Project

Project Certificates

Course Certificates

English Training Sessions

Monthly Mock Interview Sessions

IEEE Certified Projects

Syllabus

Module 1: Introduction to React Native and Setup

- Introduction to React Native
- Comparison with Native Development
- Setting up the Development Environment (Node.js, npm, React Native CLI)
- Creating Your First React Native App

Module 2: Fundamentals of React Native

- React Native Components and Props
- State and Lifecycle in React Native
- Styling in React Native
- Handling User Input
- Lists and ScrollView

Module 3: Navigation in React Native

- React Navigation Basics
- Stack Navigation
- Tab Navigation
- Drawer Navigation
- Navigation Lifecycle

Module 4: Advanced UI Components

- Gestures and Animations
- Custom UI Components
- Third-Party Libraries for UI
- Responsive Design

Module 5: State Management

- React Context API
- Redux Introduction
- Implementing Redux in React Native
- Asynchronous Operations and Redux Thunk

Module 6: Networking and Data Storage

- Fetching Data with APIs
- Consuming RESTful APIs
- Async Storage and Persistent Data

Module 7: Testing and Debugging

- Unit Testing in React Native
- Debugging Techniques
- Performance Optimization

Module 8: Deployment and Continuous Integration

- Building and Publishing Apps
- App Deployment Strategies
- CI/CD for React Native

Module 9: Advanced Topics and Future Trends

- GraphQL and React Native
- Progressive Web Apps with React Native
- Augmented Reality (AR) in React Native

Module 10: Final Project and Capstone

- Planning and Designing a React Native Project
- Implementing the Project
- Testing and Debugging the Project
- Project Deployment