TechZone
Academy For Training & Research

REACT NATIVE

• About the Course:

- In this course, the participants will learn Javascript for Building Android & IOS Applications with React Native Framework, Managing the Backend with Google Firebase andDeployingAppstoplaystore&appstore. Aftercourseparticipantscanapply for the role of react native developer.

• About the Trainers:

- A Team of Trainers with 30+ years of overall combined industry experience And 8 years on React Native Currently working on AI & data science related projects.

• What is the prerequisite?

- Basic computer knowledge, a passion to develop mobile applications.

• Education Qualification?

- Any Graduate/Engineer with a math background

• Duration

- Duration: 2 Months

• Options to Complete the Course in different tracks

Track	Duration	Classtime	Days
Regular	60 Hrs	90 MIn	MON-Fri

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• Modules

Modules	Topics/skills	Details
Module 1	**JavaScript**	**Introduction, Variables/Constant, DataTypes, Arrays, Operators, Loops, Conditions, Functions, Arrow Functions, Objects, Modules, Synchronous/Asynchronous Requests**
Module 2	**React Native**	**Introduction** • **React, React Native, Web Vs Mobile, iOS vs Android** • **Installing React Native** • **iOS setup – XCode** • **Android setup – Android Studio** • **Expo vs CLI** • **Expo Installation** **Core Components** • **Establishing a layout with View** • **Displaying text with Text** • **Accepting user input with TextInput** • **Adding images with Image** • **Making components interactive with TouchableHighlight** • **Displaying data with ListView** • **Changing screens with Navigator** • **Expanding touch capability with GestureResponder and PanResponder** **Styling** • **Issues with CSS** • **Inline Styles** • **Create Immutable style objects with Stylesheet.create** • **Pass styles as props** • **Positioning components with flexbox** **Expo & Native API's** • **Using fetch to retrieve data** • **Getting a user's location and handling permissions** • **Accessing stored photos with CameraRoll** • **Adding animations**

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• Modules

Modules	Topics/skills	Details
Module 3	**Google Firebase**	**Introduction** • **Firebase, Firestore, Realtime Database** • **Architecture, Features** • **Firebase Client Setup** **Firestore Database** • **Introduction** • **Connecting App to Firestore Database** • **Storing and Retrieving Data From Database** **Firebase Authentication** • **Using Authentication For login and signup screens in the app**
Module 4	**Deployment**	• **Deploying to google play store and app store**

Duration	60 Hrs