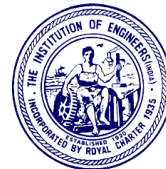


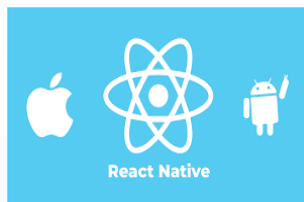


Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032, Telangana, India



INFORMATION TECHNOLOGY DIVISION



CONTINUING PROFESSIONAL DEVELOPMENT PROGRAMME

Mobile Application Development

Using **REACT NATIVE**

16 – 21 June 2025

Introduction

React Native is most famous for its cross-platform development capabilities. Cross-platform development refers to the process of building software that is compatible with more than one type of device and OS. With React Native, developers can create platform-specific versions of components. Instead of building applications natively for each platform, developers can build their codebase just once and use it for both iOS and Android applications.

Objectives

- To Learn, how to develop is a cross-platform mobile application using React Native framework.
- Project based hands on practical training

Course Coverage

- Introduction to React Native
- Abstracting React from the DOM
- Advantages of React Native
- React Native vs Web Apps
- React Native vs React web
- Getting started with React Native
- Installing React Native
- iOS setup – XCode
- Android setup – Android Studio
- Run an project in iOS and Android simulators
- Core React Native 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
- Styling
- Issues with CSS
- Inline Styles
- Create Immutable style objects
- Pass styles as props
- Positioning components with flexbox
- React Native APIs
- Using fetch to retrieve data
- Accessing stored photos with CameraRoll
- Adding animations
- Deploying to Apple App Store
- Deploying to Android Play Store
- Authentication with Firebase
- A Common Root Component
- Copying Reusable Components
- About Firebase
- Firebase Client Setup
- Login Form Scaffolding
- Handling User Inputs
- More on Handling User Inputs
- How to Create Controlled Components
- Making Text Inputs From Scratch
- A Focus on Passing Props
- Making the Input Pretty
- Wrapping up Inputs, Password Inputs
- Processing Authentication Credentials
- Logging a User In
- Error Handling
- More on Authentication Flow
- Creating an Activity Spinner
- Conditional Rendering of JSX
- Clearing the Form Spinner
- Handling Authentication Events
- More on Conditional Rendering
- Logging a User Out and Wrapup

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

Methodology

Methodology of the programme includes class room sessions with Lecture / Discussion with Hands- on Practical, with tools, audio visual aid, bench marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members

Target Participants

- Professionals working in the field of software development, Monile App Developers, Web Administrators, Programmers, Application Developers, Web developers in IT departments.
- IT Managers, Systems Managers, Scientists, Engineers and Consultants working in governmental, defense, public, private sector organizations.
- Professionls / Officers of any Govt, PSU, Defance and Proviate organization, who would like to gain knowledge and expertise in Mobile App Development.

Programme Dates & Timings

Venue: At ESCI Campus Hyderabad

Dates: 16 – 21 June 2025

Session timings will be from 10:00 – 17:00 hrs with 01 Hour Lunch break & 15 Minutes Tea break..

Course Director

Mr. Syed Azgar , MBA(IT), RHCE, MCSA

Sr Faculty & Head IT,

Information Technology Division,

Engineering Staff College of India, Hyderabad.

Course Fee for Offline Training

₹ **30,000/- (Residential Fee)** per participant. Fee includes Single AC accommodation, course material, course kit, Breakfast. Lunch, Dinner, Tea / Coffee and Snacks during the actual days of the training program.

GST @18% is to be paid extra and above the training fee as training. **PAN Card No.** AAATT3439Q. **GST No:** 36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Note: 18% GST Extra (GST Nil for All State & Central Govt. Departments like DRDO, DGQA & Other Govt. Departments).

Programme fee is to be paid in in favour of “**THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA**” by **Electronic Fund Transfer (EFT)** to ESCI – **Axis Bank** A/c No. **912010049234564** with The Axis Bank Ltd, Old Mumbai Hwy, Cyberhills Colony, P Janardhan Reddy Nagar, GachiBowli Hyderabad-500032 by NEFT/ RTGS/ IFSC Code No. UTIB 0000733 – MICR No.500211020. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

Registration

Online registration shall be available on ESCI web portal : <http://www.escihyd.org/index.php/it-upcoming-trainings>

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to : it@escihyd.org

A Certificate of participation will be awarded to each participant on conclusion of the programme.

Information Technology Division, Engineering Staff College of India

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Email: it@escihyd.org, web portal: www.escihyd.org