

## **CAP915:MOBILE APP PROGRAMMING TOOLS**

L:0 T:0 P:5 Credits:3

**Course Outcomes:** Through this course students should be able to

CO1 :: describe the different frameworks for mobile application development

CO2 :: construct user interfaces by using ionic and react native framework

CO3 :: develop cross-platform apps from a single code base

CO4 :: compare ionic framework with react native

### **List of Practicals / Experiments:**

#### **Ionic components**

- ion-app
- ion-content
- ion-menu

#### **Ionic controls**

- ion-input
- ion-button
- ion-textarea
- ion-img

#### **Ionic layouts and events**

- ion-grid
- ion-item
- ion-list
- ion-modal
- ion-action-sheet
- ion-nav
- ion-alert

#### **Core concepts in React native**

- state and props
- styling in React native
- flexbox in React native
- listview in React native
- textinput in React native
- work with images in React native
- button in React native

#### **Environment setup**

- node js installation
- android studio installation
- ionic installation
- react native installation

#### **React native components**

- view and webview in React native
- modal in React native
- picker and switch in React native

- activity indicator in React native

**Text Books:**

1. REACT NATIVE COOKBOOK - SECOND EDITION by DAN WARD, PACKT PUBLISHING
2. IONIC COOKBOOK -THIRD EDITION by HOC PHAN, INDERMOHAN SINGH, PACKT PUBLISHING

**References:**

1. REACT NATIVE NOTES FOR PROFESSIONALS BOOK by PEOPLE AT STACK OVERFLOW, Stack Overflow Documentation
2. REACT NATIVE BY EXAMPLE by RICHARD KHO, PACKT PUBLISHING