

## APP DEVELOPMENT LAB

(Skill Based Lab Elective-II) / (Common to CSE & IT)

**Course Code : 15CT11S1**

**1 Credit**

### Pre-requisites:

Object Oriented Programming through Java

### Course Outcomes:

At the end of the Course, the Student will be able to:

- CO 1** Implement Android Layouts and GUI components
- CO 2** Develop application for user permission for SD card
- CO 3** Develop an application that use database
- CO 4** Implement application using fragmentation concept
- CO 5** Implement Native applications using google services

### LIST OF PROGRAMS:

1. Develop an application that uses Layout Managers and event listeners.
2. Develop an application that uses GUI components, Font and Colors
3. Develop a native calculator application.
4. Develop an application that makes Music player
5. Implement an application that implements Multi threading
6. Develop an application that makes use of database.
7. Implement an application that writes data to the SD card.
8. Implement an application that creates an alert upon receiving a message.
9. Write a mobile application that creates alarm clock
10. Write a mobile application that use fragmentation.

11. Develop a native application that uses GPS location information.
12. Develop a native application that uses Google map services.

**TEXT BOOK:**

Reto Meier, "Professional Android 4 Application Development", 1<sup>st</sup> Edition, Wile Publication, 2012.