

**MOBILE APPLICATION DEVELOPMENT LAB**  
(Professional Elective - III Lab)

**B.Tech IV Year I Semester CSE-DS**

**Course outcomes:**

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1. Understand the working of Android OS Practically
2. Able to develop dynamic user interface applications
3. Able to Develop, Deploy and Maintain Android Applications

**List of Experiments**

1. Installation of Android Studio and Android Virtual Device Develop an android application to display "Hello World"
2. Develop an application that receives user's name, contact and city and displays the same using Layout Managers and Event Listeners.
3. Develop an application that shows names as a list and on selecting a name it should show the details of the candidate on the next screen with a "Back" button
4. Create a native calculator application.
5. Create an application that saves user information like name, age, gender etc. in shared preference and retrieves them when the program restarts.
6. Develop a Registration and Login application that makes use of database.
7. Develop an application that inserts some notifications into Notification area and whenever a notification is inserted, it should show a toast with details of the notification.
8. Develop an application that uses a menu with 3 options for dialing a number, opening a website and to send an SMS. On selecting an option, the appropriate action should be invoked using intents.
9. Create an alarm application using time picker to set alarm time.
10. Create an application that shows the given URL (from a text field) in a browser
11. Develop a native application that uses GPS location information.