

ANDROID APPLICATION DEVELOPMENT LAB - CC3601-1

Total Marks – 20

Time Duration : 3 Hours

PART-A

- 1) Design a To-Do list application where users can add tasks using four checkboxes and one button. Print all the tasks selected in a Toast message after clicking the button.
- 2) a). Implement Context menu concept in application to change the background color.
b). Create an application which generates a random color on each click.
- 3) Develop an Android application to send SMS and Phone call using Intent class concept in application by passing number from the user. Provide Separate Button for SMS and CALL.
- 4) Develop an Android application to demonstrate Simple calculator. Generate Toast Message for **Divide By Zero** case.

PART-B

- 5) Write an application to read the Student data like USN, Name, Branch and SGPA of four Semesters. Store USN, Name, Branch and CGPA of the student into a database and display all the values in database.
- 6) Implement option menu concept in android. Provide options to the user to choose between following two activities.

Activity-1: To Calculate Simple Interest for a given Principal Amount, Rate of interest and Time

$$\text{Simple Interest} = (P * T * R) / 100$$

Activity-2: To Calculate temperature in degrees Celsius for a given temperature in degrees Fahrenheit (°F).

$$\text{Temp in degrees Celsius (°C)} = (\text{Temp in degrees Fahrenheit (°F)} - 32) * 5/9$$