MOBILE APPLICATION DEVELOPMENT LAB (15CS727)

Duration: 3 Hours   **Max Marks: 50**

Marks Distribution:

Write up both – Part A – 5,   Part B – 5

Execution - Part A – 15,   Part B – 15

Viva - 10

Programs

PART-A

1. Write an application to toast your joining date and course selected for engineering using date picker and list view.

2. Write an application to demonstrate the activity lifecycle by logging the activities in the LogCat or toast at every stage

3. Create an application which generates a random color on each click.

4. Implement an application for flash screen using threads.

5. Implement web view concept in application which contains multiple activity and default HTML pages.

6. Implement an application to store and retrieve data by using shared preference.

7. Implement option menu concept in application to choose between two activities.

8. Implement context menu concept in application to change the background color.

9. Write an application to send SMS using Intent class.

10. Implement phone call concept in application by passing number from the user.

PART-B

1. Implement an AsyncTask to count from 1 to 1000 in the background and the display the progress using progress bar on the screen.

2. Implement a service concept to play the music in the background for long duration and perform a foreground job.

3. Implement broadcast receiver to carry out the of following:

   Read battery charge of your mobile, display it using progress bar and change the background color as given in table.

Color	Battery Charge
Red	10% To 20%
Blue	30% To 60%
Green	60% To 100%

4. Write an application to insert the data entered by a user into a database and display all the values in database.

5. Write an application to search for a given USN from a student database and call to that student.

6. Write an application to create your resume with basic data (Name, gender, qualification and address) using check box, radio button, edit text and button.

7. Demonstrate the sending of an email with the help of a registered email client on your android phone.

8. Write an application to make a dialogue box to confirm the change of background color or image.