A. V. PAREKH TECHNCIAL ISNTITUTE, RAJKOT

COMPUTER DEPARTMENT

ASSIGNMENT / PRACTICAL LIST

1. Explain the generations of communications technology. (CO1)

2. Draw and explain the 3-tier architecture of mobile computing. (CO1)

3. List the applications of mobile computing. (CO1)

4. Perform the installation of Android Development Environment and create a Hello World Application. (CO2)

5. Create application for demonstration of android activity life cycle using TOAST / Log message. (CO2)

6. Identify the Problem statement and Build basic home activity for building an application for the term during various practical. (CO3)

7. Design a Login activity for the application using LinearLayout. (CO3)

8. Design a Forget Password Activity for the application using RelativeLayout. (CO3)

9. Design Registration (Sign Up) activity for the application using TableLayout. (CO3)

10. Design Introduction activity for the Application using FrameLayout. (CO3)

11. Implement the TOAST message to verify security question and its answer for forget password activity. (CO3)

12. Implement the user login authentication with static data. If successful authentication than navigate to the Home Screen and also add sign up & forgot password functions for navigating to the respective activities. (CO4)

13. Add a new functionality that displays "Welcome "+ Username on home screen upon successful login. (CO4)

14. Implement different ways for event handling in Login, Forgot Password and Sign-Up activities. (CO4)

15. Design home screen activity to change the background & text color based on RadioButton and CheckBox selection. (CO4)

16. Develop an Activity to list the item using ListActivity from String Array of Strings.xml (CO4)

17. Develop an activity to display ListView and update on items of ListView. (CO4)

18. Develop an activity to display Spinner and perform updation operations on items of Spinner. (CO4)

19. Implement Options Menu and Context Menu to Home screen activity. (CO5)

20. Demonstrate AlertDialogs and Custom Dialogs in the application. (CO5)

21. Implement Database connection and perform database related operations in the application. (CO5)

22. Publish the Application on Play Store. (CO5)