

SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY

INFORMATION TECHNOLOGY DEPARTMENT

B.E. III (Sem-6) IT

Mobile Application Development (3161612)

PRACTICAL LIST

Sr. No.	Practical
1	Create an application that designs a layout having a textview. The textview should display the message "Hello World" in the middle of the screen in red color and the background color of the layout should be green.
2	Create an application that contains three textviews. The text that is entered in the first two textviews should be concatenated and it should be displayed in the third textview.
3	Create an application that designs a layout with 3 TextViews and a button 'Add'. Enter 2 numbers in first two TextViews and display the result in third TextViews when the button is clicked. The result of addition should also be displayed in the Toast message.
4	Write an Android application to convert into different currencies for example, Rupees to dollar and vice versa.
5	Design an attractive login form using styles and/or themes by setting background, fonts, styles and other designs of elements in android application.
6	Study of creating more than one activity: Create a main activity with two TextViews, and a button. Create second activity with a single TextView. On clicking the button on the MainActivity, the concatenated text of two TextViews of MainActivity should be displayed in the TextView of second activity.
7	Define an Activity using Explicit Intent a. Create a sample application with login module that includes Username and Password. b. Perform validation for input Username-Password pair. On successful validation, navigate to the second activity and display username on it. c. On unsuccessful validation, alert user using a Toast message.
8	Define an Activity using Implicit Intent and fragment. a. Create two fragments and add them on main activity. b. In the first fragment, include two buttons with the label – 1) Open Browser 2) Call a Number c. On clicking the first button, it should open browser in the second fragment. d. On clicking the second button, a pre-specified number is being called.
9	Design an android application that takes one TextView with the text 'Select your branch' and 5 radio buttons to select the engineering branch. Store text of the TextView and all branch names in strings.xml file. When the user selects any branch, display it as a Toast message.

10	Develop a Calculator Android Application.
11	Create an application that designs a layout with three check boxes named with the hobbies (e.g. cricket, tennis, badminton). When single/multiple checkboxes are checked, display the selected hobbies in the Toast message.
12	Create an application that designs a layout having a rating bar. Whenever user gives the rating then a dialog box should appear with a message and button OK. The message in the dialog box should display the rating out of the total rating. (e.g.: if 1.5 rating is selected then display 'You have given 1.5 Rating out of 5'). When button OK is pressed then the dialog box should disappear.
13	Create an application that designs a layout having three Radio buttons named Bold, Italic, Bold Italic and one text view. The text view must contain a static text. When the Bold Radio Button is clicked than the text in the text view must convert to Bold. When the Italic Radio Button is clicked than the text in the text view must convert to Italic. When the Bold Italic Radio Button is clicked than the text in the text view must convert to bold and italic both.
14	Create an application that will change color of the screen, based on selected options from the menu. Also add a menu that will change background colour of textview available on screen.
15	Develop an application for creating a resume form for multiple users. Store the data in database and perform CRUD operations.
