

GOVERNMENT POLYTECHNIC, AHMEDABAD
PROGRAMME: DIPLOMA IN COMPUTER ENGINEERING

Course Name: Mobile Computing & Application Development
(C309-3360704)

Practical list

Term date:

Faculty Name:

Semester & division:

No of labs per week:

Sr No	Topic Name	Course Outcome
1	Install and configure android studio and android SDK.	C309.2
2	Configure android development tools(ADT) plug-in and create android virtual device(AVD).	C309.2
3	Create an application with Custom Font Style for use of style.xml file.	C309.2
4	Develop a program to display Hello World on middle of the screen with Red colour.	C309.3
5	Create an application for demonstration of Linear, Relative, Absolute, Table and Frame Layout in android.	C309.3
6	Create an application for demonstration of android activity life cycle.	C309.3
7	Create an application for demonstration of Horizontal Scroll View and Vertical Scroll View in android	C309.3
8	Create sample application with login module.(Check username and password) On successful login, display welcome message in next activity. And on failing login, alert user using Toast "Login fail "and Button will remain disabled.	C309.3
9	Create Email Registration form for demonstration of basic widgets available in android. Display all submitted data in another activity as a toast message.	C309.3
10	Create application with three different Radio button and by clicking them change background of activity.	C309.3
11	Create an application in which when user clicks button, user will navigate to next screen which display welcome message (using Explicit Intent).	C309.3
12	Create an application to call specific entered number by user in the Edit Text	C309.3
13	Create an application that will pass two number using Edit Text to the next screen , and on the next screen display sum of that number.	C309.3
14	Create an application that will get the Text Entered in Edit Text and display that Text using toast (Message).	C309.3

15	Create an android application to convert temperature from centigrade to Fahrenheit.	C309.3
16	Create an android application to perform addition, subtraction, multiplication, division operations of two numbers and also find maximum from them. Display toast message for all result.	C309.3
17	Create an application that will pass some number to the next screen and on the next screen that number of items should be display in the list.	C309.3
18	Create an application that accepts URL from user and when user click submit button open that URL in browser	C309.4
19	Create an UI such that, one screen have list of all the types of cars. On selecting of any car name, next screen should show Car details like: name, launched date, company name	C309.4
20	Create an application that use image button and clicking this button change the image of it and also handle onLongClick event.	C309.4
21	Create an application that create list of games and on selection of any list option, display it in toast.	C309.4
22	Create an Option Menu in Android Application.	C309.5
23	Create an application that display custom menu Bookmark, File, search, share in which file menu also has submenu within it. By selecting or clicking any menu option display appropriate message.	C309.5
24	Create and application that will change colour of the screen based on selected options from the menu.	C309.5
25	Create an application the create and display use of alert dialog box.	C309.5
26	Create an application the create and display use of Rating Bar and Progress Bar.	C309.5
27	Create an application to make Insert , update , Delete and retrieve operation on the database.	C309.5
28	Develop Mini Project.	

Course Teacher Sign