Sinhgad Technical Education Society's

Sinhgad Institute of Management

S. No. 44/1, Off Sinhgad Road, Vadgaon (Bk), Pune – 411 041

Practical Journal On

IT-31L: <u>Mobile Application Development</u>

A.Y. 2022-23

Class: MCA – II

Semester – III

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1. Write a program by using Checkbox, TextView and RelativeLayout to implement list of secondary color names. As per the multiple color Selected by the user, display the selected color names on the TextView.

2. Design an android application by using RadioGroup and RadioButton to display list of PG courses names. Display selected PG course name by the user using Toast.

3. Write an android code by using LinearLayout to accept rating value of a seminar by using RatingBar and SeekBar. Display provided rating values using TextView components.

4. Design an android application to design image gallery by using ImageButton and GridLayout. As per the ImageButton click, display the image properties using Toast definition.

5. Design an android application by using Spinner component to display secondary colors names. As per user selected a color from Spinner component, change the activity background color.

6. Write an android code to make phone call using Intent

7. Write an android code to turn ON/OFF Bluetooth

8. Write an android code to turn ON /OFF the Wi-Fi

9. Design android application for login activity by using TableLayout. Write android code to check login credentials with username = "mca" and password = "android". Display appropriate toast message to the user.

10. Create a fragment that has its own UI and enable your activities to communicate with fragments.

11. Demonstrate Array Adapter using List View to display list of fruits.

12. Write an application to demonstrate Alert Dialog Box in android

13. Demonstrate Options Menu, Context Menu and Popup Menu in android

14. Write an application to produce Notification

15. Write an android application using SQLite to create table and perform CRUD operations (Example. COURSE table (ID, Name, Duration, Description), perform ADD, UPDATE, DELETE and READ operations)

16. Create an Android app, powered by Firebase Realtime database that supports: Adding Data to Firebase Realtime database, Retrieving Data from Firebase and Deleting data from firebase data.

17. Demonstrate WebView to display the web pages in an android application.

18. Write an android app to write JSON data into a file and read JSON data from created file.

19. Write an application to display a PDF as an image in React app using URL

20. Develop simple flutter application to open a browser using Android SDK