

GOVT. POLYTECHNIC, HAMIRPUR (H.P.)
Practical Planning

Branch: Information Technology

Semester: 5th

Subject: MADA

Session: July 2024

Teacher: Pratibha Thakur

Lab: PL Lab

Sr. No.	No of Practical hours planned	Aim of the Practical	Reference for Procedure/ Writeup	Remarks
1	4	To install the Java Development Kit (Latest Version) and Android Studio (Latest Version).	R1, R2	
2	4	To explore the Android Studio (Toolbar, Navigation Bar, Editor Window, Editor Tabs, Project Explorer, Tool Window Bar, Tool Windows, StatusBar etc.)	R1, R2	
3	8	To create an Android project to display the message "Hello World!", run it on Android Virtual Device (AVD) and deploy the application on a real Android device.	R1, R2	
4	16	To develop an Android application to implement a basic arithmetic calculator.	R1, R2	
5	8	To develop an Android application to demonstrate the working of BroadcastReceiver.	R1, R2	
6	8	To develop an Android application to create a TODO list. The list of tasks should be saved using SQLite database.	R1, R2	
7	8	To develop an Android application that tests the user's knowledge of the countries' capitals. The name of a random country, a capital and TRUE/FALSE buttons should be displayed on the screen. The application should evaluate the user response and provide the instant pop-up message.	R1, R2	
8	8	To modify the application developed in Experiment-7 to add the provision of navigation to 'Next' and 'Previous' questions and evaluate the response only after the user presses the 'Submit' image button.	R1, R2	

References:

R1: Lab Manual

R2: <https://developer.android.com>


(Pratibha Thakur)
Signature of Teacher with Date


(Pankaj Thakur)
Signature of HOD(IT)