SECTION 2: PRACTICAL ON ANDROID

2.0   INTRODUCTION

This practical section attempts to provide basic practical skills on development of mobile apps. The prerequisite is to study BCS-092 course material apart from knowing Java or any other programming language which will aid you to develop the mobile apps. You need not strictly adhere to problem definitions. You can develop variants of them. You can make necessary assumptions. Also, download and install Android Studio to your machines.

2.1   OBJECTIVES

On completing the practical sessions of this section, you will be able to:
- Develop basic and intermediate level mobile apps

2.2   SOFTWARE

Download Android Studio from https://developer.android.com/studio

2.3   SESSION DETAILS

There were a total of 10 questions given. The questions are for all the practical sessions.

Question 1: Develop a Mobile App which will display the message WELCOME TO ANDROID

Question 2: Develop a CALCULATOR mobile app. Include as many arithmetic operations as possible

Question 3: Develop a QUIZ mobile app. The App should display questions one after another with multiple options (each option is possible answer). You need to select the correct option. After 10 questions, it will display the correct score. Make assumptions , wherever necessary

Question 4: Develop a CALENDAR mobile app for any one month. Make assumptions, wherever necessary.

Question 5: Develop an ADDRESS BOOK mobile app. It enables you to store addresses as well

as list all of them. Make assumptions, wherever necessary

Question 6: Develop a NOTES mobile app. It enables you to create and save notes.

Question 7: Develop a PHOTOSTORE mobile app. It enables you to save and browse photos that are stored. Make assumptions, wherever necessary.

Question 8: Develop a THINGSTODO mobile app. It enables you make a list of tasks that need to be performed. After you complete the task, you can "check" it to indicate that the task is completed. Make assumptions, wherever necessary.

Question 9: Develop a SOUNDRECORDER mobile app. It enables you to record your voice and saves the file. Make assumptions, wherever necessary.

Question 10: Develop a STOPWATCH mobile app that measures the elapsed time between activation and deactivation. It means that when you press a particular key etc., it starts measuring time and stops measuring time once you press a particular key etc. Make assumptions, wherever necessary.

SUMMARY

This section enabled you to think about different types of mobile apps that are possible to develop. You may have your own ideas and you are encouraged to implement them. As new versions of Android are released and as you learn about the rich features they offer, they will enable you to develop innovative mobile apps.