**UNIVERSITY OF GHANA**

**DEPARTMENT OF COMPUTER SCIENCE**

**MOBILE DEVELOPMENT SHORT COURSE EXAMINATION**

This is a practical test of your knowledge on the following areas with respect to what you have been taught during the department’s short course program:

1. How to use the Android studio.
2. How to create an android project.
3. How to connect the project to a remote backend server (e.g. Firebase)
4. How to style and customize the user interface of an android application
5. How to pull and push data to a remote database server (e.g. Firebase Cloud Firestore)
6. How to deploy an application on a mobile device.
7. The use of fragments, activities, intents and shared preferences

**INSTRUCTIONS**

1. Create an android chat application named “Chat Now”.
2. Connect the application to Firebase Cloud Server
3. Style the application’s UI
4. Create activities for:
5. Splash screen
6. Login screen
7. Home screen
8. Conversation screen
9. Send and retrieve messages in real-time
10. Manage User sessions

A VIDEO SHOWING THE FULL IMPLEMENTATION OF THE PROJECT WILL BE ATTACHED TO THIS FILE. LATE SUBMISSION OF ASSIGNMENT WILL RESULT IN FAILURE TO MEET THE SET MARKS AND HENCE YOU WILL BE PENALIZED.

ALL THE BEST IN YOUR ENDEAVORS.