**MBARARA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF COMPUTING AND INFORMATICS SCIENCE**

**MOBILE PROGRAMMING TERM PROJECT**

**APPLICATION NAME: DPCHATTINGAPP**

**GROUP MEMBERS**

**TINDYEBWA DAN 2015/BCS/076/PS**

**NATUKUNDA PASCAL 2015/BCS/069/PS**

DPCHATTINGAPP is an online group chatting application that helps users to send and receive messages.

The application has various activities which include the following.

* SplashScreenActivity.

This is the first activity that launches the application.

This activity keeps the user busy as app loads.

* MainActivity.

This activity opens login/ signup and register activities. A user is able to login after selecting his email from a list of email addresses selected from another application (E-mail application) and incase his email has never been used on that phone, the user clicks a button “none of the above” to enable him or her enter his email address and after it takes him to where to insert the password to gain access to the messages. The application first checks if the email address is registered and if not, it will direct the user to register to get access to the services.

One is able to view all messages sent by all registered users and him/herself is able to send the messages to the group.

The application has the sensor which changes the figure values on the input message text box. This helps to observe the body movement over the sensor.

In order for one to use this application, one must have android mobile phone and must have access to internet.

* PhonebkActivity.

This activity helps the user to select contacts from the phone and makes them accessible to the application and therefore one is able to share the selected contact.

* LogoutActivity

This activity is launched when one logs out from the menu on the main activity. Once one logs out, the application closes with a very beautiful funny screen.

The application saves and retrieves data from the Firebase and one is able to share his/her view to the group members.

The application sends a notification to group members when a message is sent into the group and this helps to alert them about new the message in the group thus are able to view the messages in time.

This application has been used by some of the class members and they are using it successfully and very happily chatting together.

In conclusion, this is a chatting application which helps people to share their views and reduce on the boredom and helps the people to socialize with each other thus friendship.