**Technical Reference Manual for Android Based Group Messenger**

This document mentions the necessary resources and steps required to run the given source code on a PC or phone.

**Required resources to run the source code on PC:**

1. The source code of the project is located in the folder called 'Source code'.
2. Other resources (Android SDK and a JDK ) which require a 64bit OS running on the PC are located in the folder called ' Utilities required to execute the project software'.
3. One needs to unzip the Android SDK bundle at any preferred location and install the JDK on their PC.
4. Android SDK bundle ships with the latest version of Eclipse IDE required to debug an android application.

**Required resources to run the source code on phone:**

1. Android OS 3.1.x or higher.
2. Internet connectivity.

**Steps to run the source code:**

1. Click on eclipse.exe.
2. Right click on 'Package Explorer' (screen on the extreme left).
3. Click on 'Import project' option from the dialogue box.
4. Select 'Existing Android Code into Workspace' and click Next.
5. Browse the path to the required source code and click OK.
6. Click on finish button once the path is selected.
7. The new package name will be shown in the 'Package Explorer' window, right click on the new package.
8. Go to 'Run As' and select 'Android Application'.
9. If your android phone is connected to the PC and the USB debugging mode of the phone is switched ON, then you will have an option to choose between running the code on the phone or using an AVD.