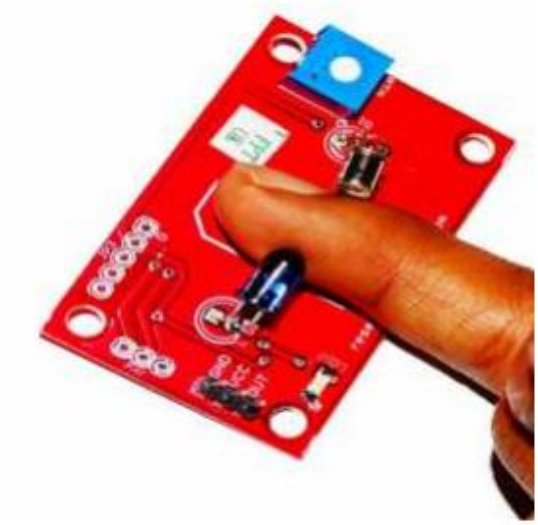
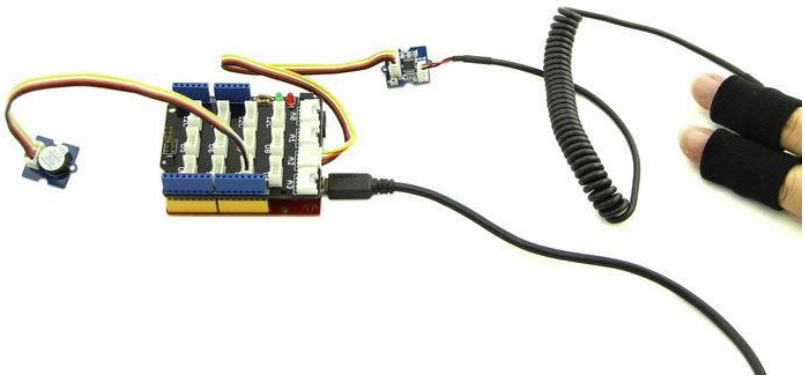
USER MANUAL

Detailed Steps to Use Shielded

1. Interface a heartbeat sensor by connecting it to digital pin 3 of the grove base shield. The Heart Beat Sensor is designed to provide digital output of heart beat when a finger is placed on it as shown in the figure below. Various heart related parameters are calculated in an interval of 60seconds.

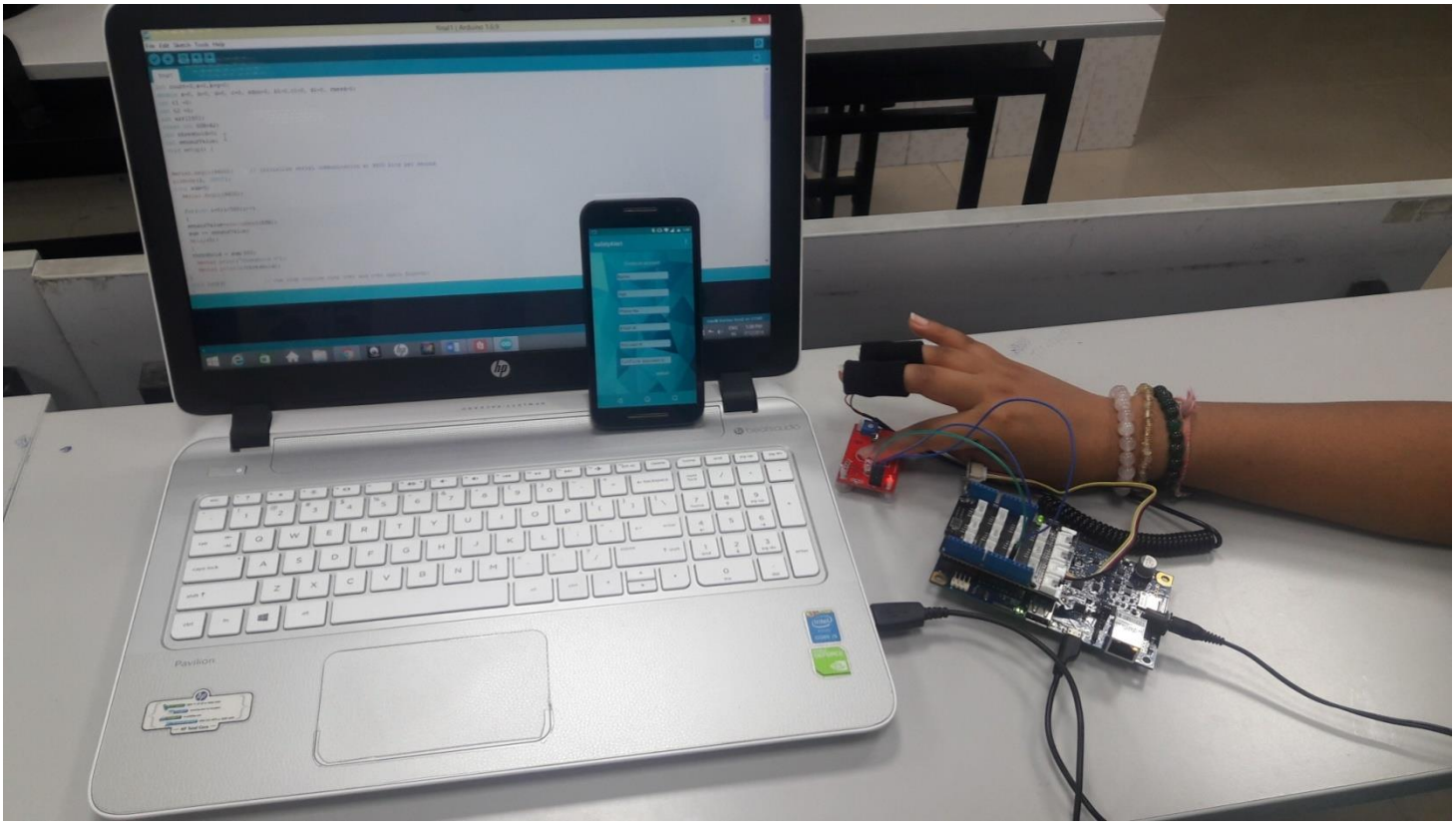


2. Interface a Grove GSR sensor at analog port A2 which is also an analog to digital conversion pin. GSR allows you to spot strong emotions by simple attaching two electrodes to two fingers on one hand as shown in the figure below.

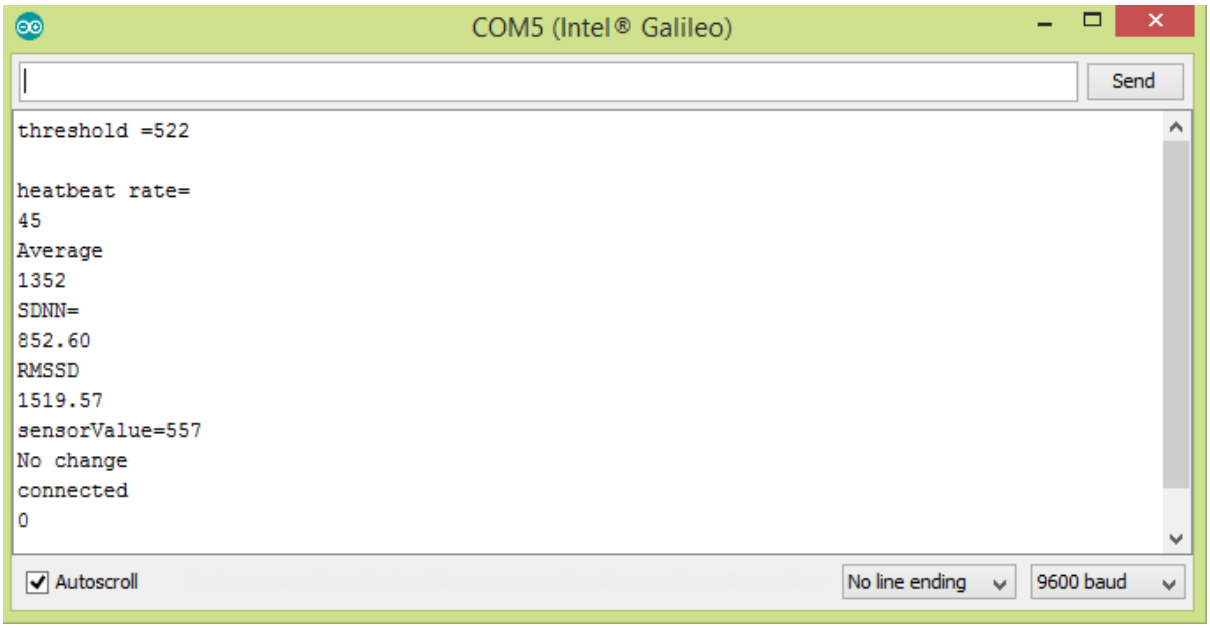


3. Connect the Ethernet cable in the Ethernet port that is inbuilt on the Intel Galileo Gen 2 Board.

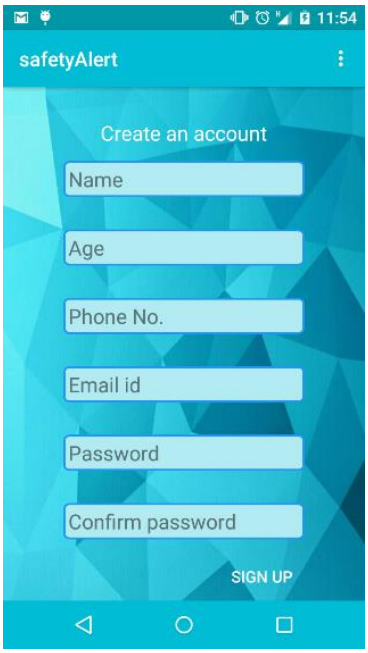
4. The complete interfacing diagram is shown in figure below.

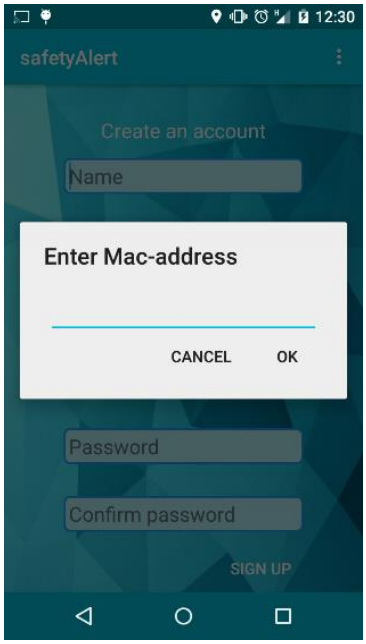


5. Upload and run arduino sketch to the board . The output can be viewed on serial monitor as shown below.

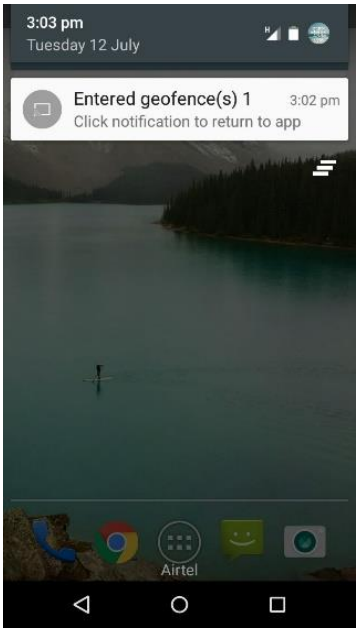


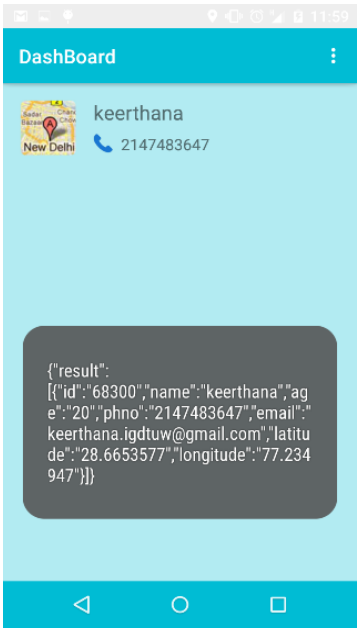
6. Create an account on our android application. Fill all fields correctively and signup. When you are in distress, your details and location is sent to registered members near you as well as your emergency contact.





7. If someone nearby is in distress, then you will get a notification as shown below.
On clicking the notification you will be directed to your dashboard. The dashboard consists of the location and essential details of the person in distress such as name and phone number.





8. On clicking the location button, the location of the person in need will appear on Google maps. The phone button enables calling feature when clicked.