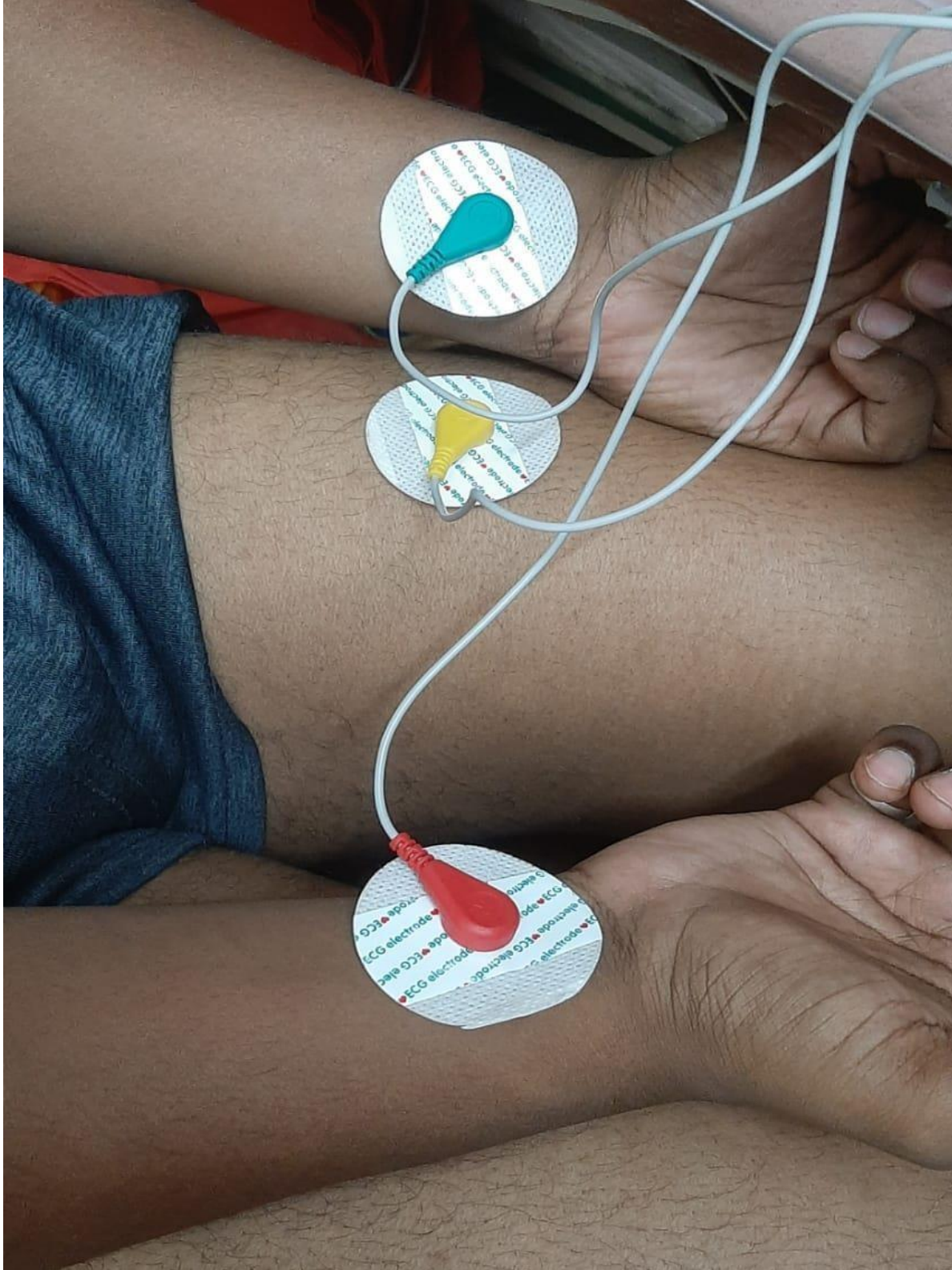


**\*\* Steps to run project of emotion detection using ECG sensor and R pi\*\***

**Step:1 Make a circuit connection as just connect the monitor with HDMI cable and also connect the Mouse and keyboard.**

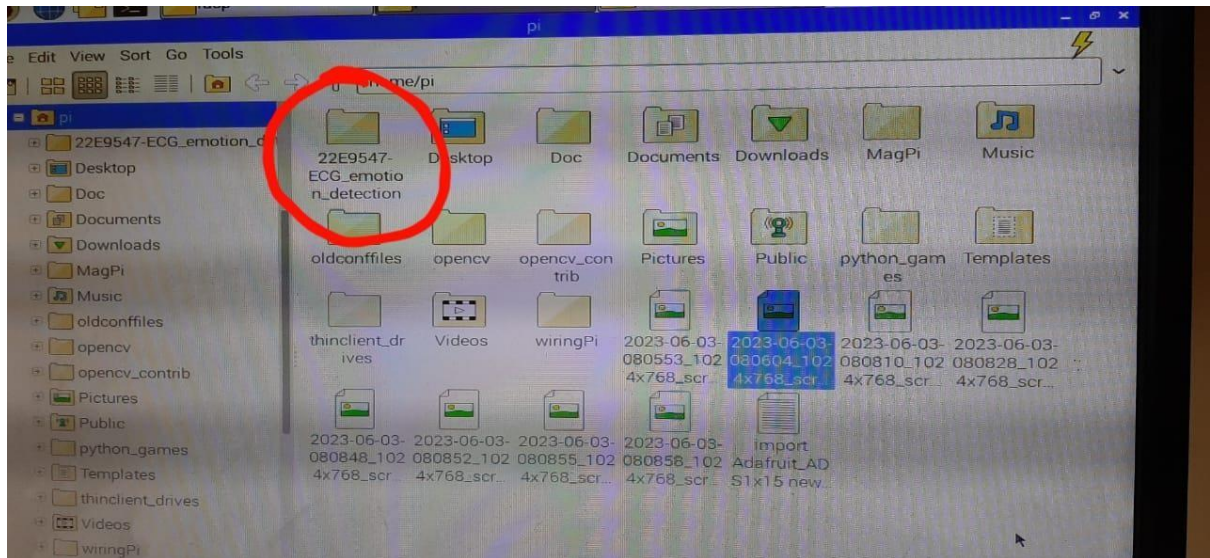


**Step 2: Make hotspot connection and electrode connect to body:**

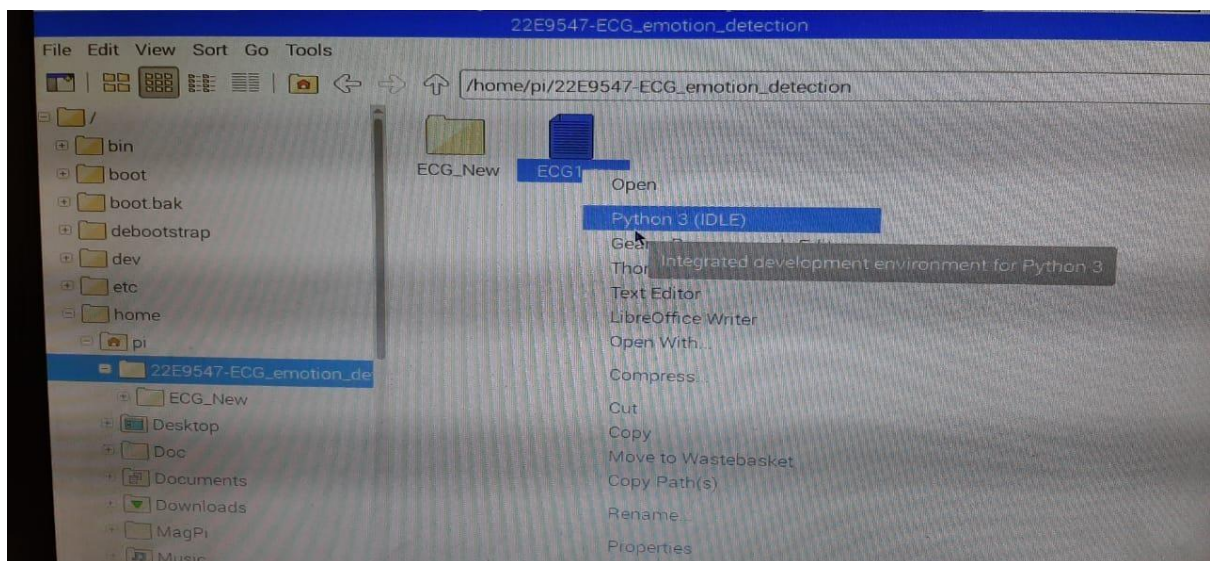




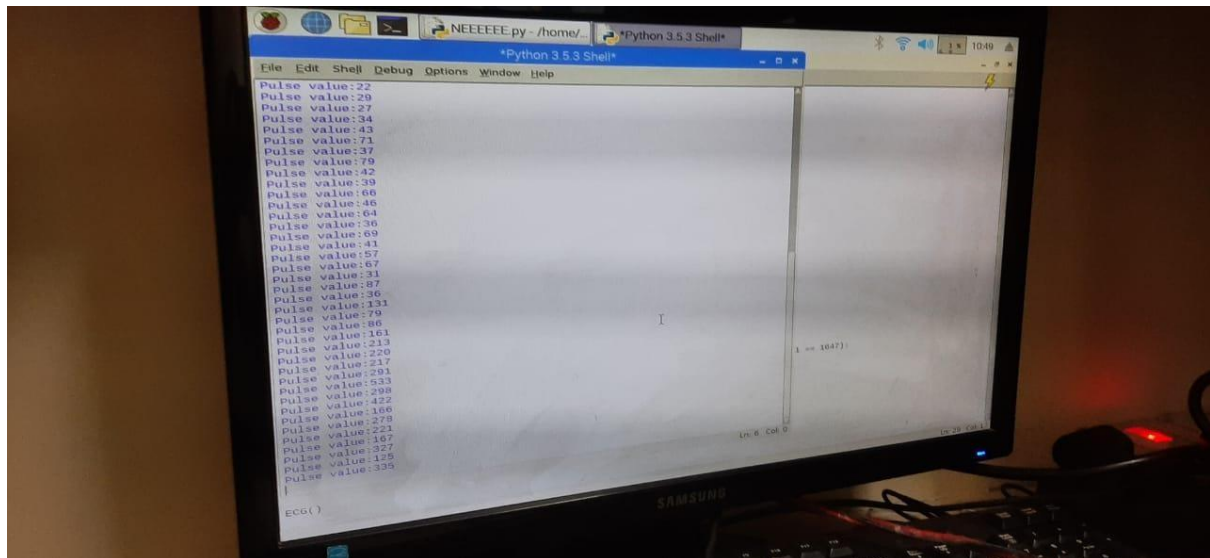
**Step 3: Go to file manager then open folder name 22E9547-ECG\_emotion\_detection**



**Step 4: after that open ECG1.py run this file to get the pulse value**



After the file of ECG1.py we get pulse value like this:



After that, the data generated on thingspeak like this :

In thingspeak you have to create your channel as we create our channel like ECG Emotion detection

Because in this channel we generated data and export it in excel , used as training data for our ML model:

My Channels

New Channel

Search by tag

| Name                  | Created    | Updated          |
|-----------------------|------------|------------------|
| ECG Emotion detection | 2023-03-31 | 2023-03-31 07:10 |

Private Public Settings Sharing API Keys Data Import / Export

Help

Collect data in a ThingSpeak channel from a device, from another channel, or from the web.

Click **New Channel** to create a new ThingSpeak channel.

Click on the column headers of the table to sort by the entries in that column or click on a tag to show channels with that tag.

Learn to **create channels**, explore and transform data.

Learn more about [ThingSpeak Channels](#).

Examples

- Arduino
- Arduino MKR1000
- ESP8266
- Raspberry Pi
- Netduino Plus

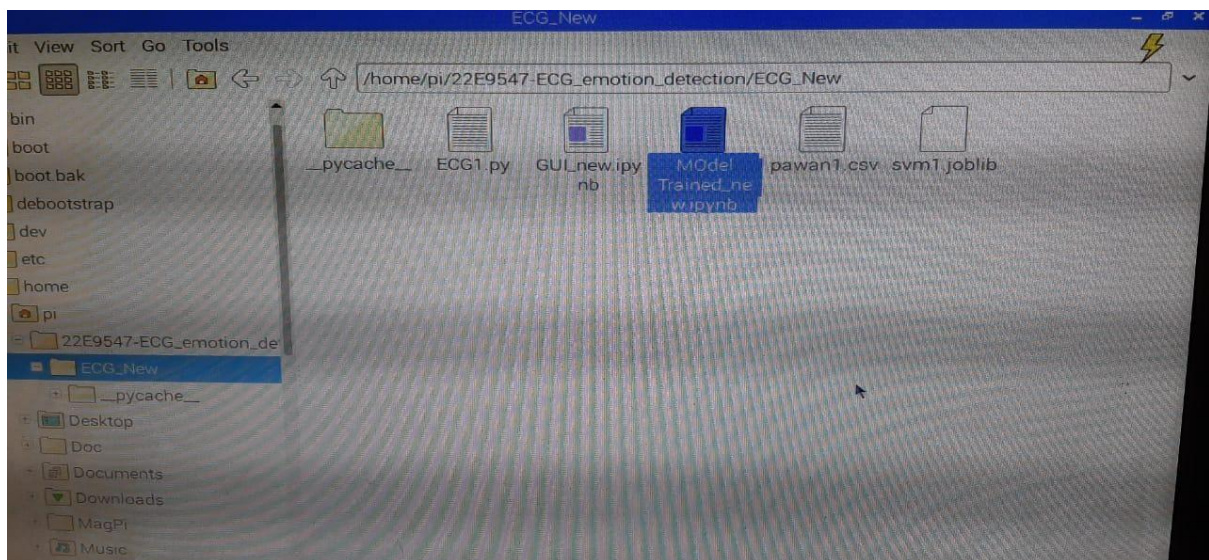
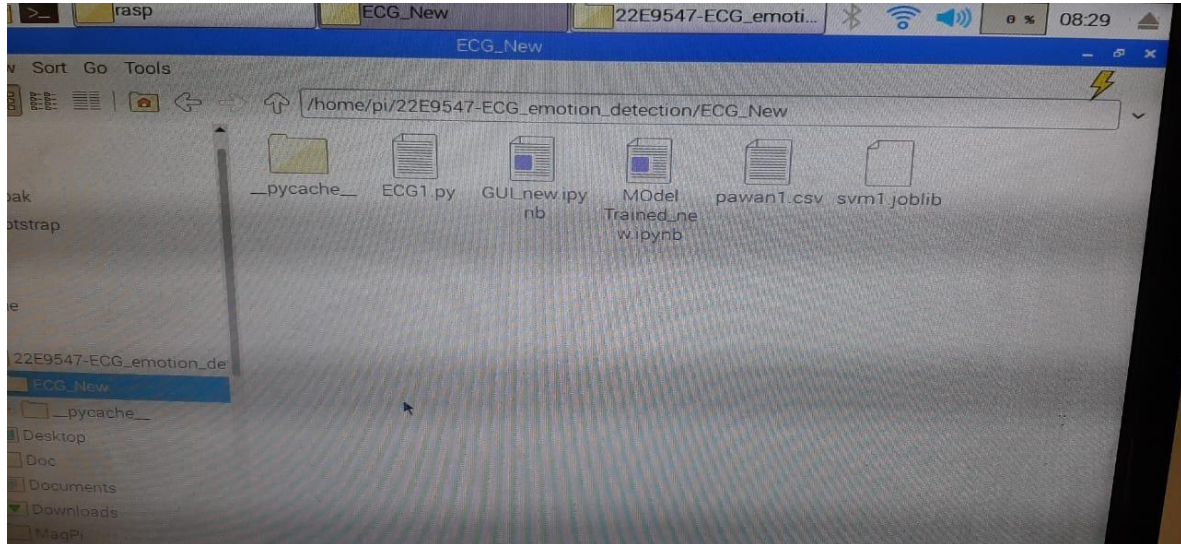
Upgrade

Need to send more data faster?

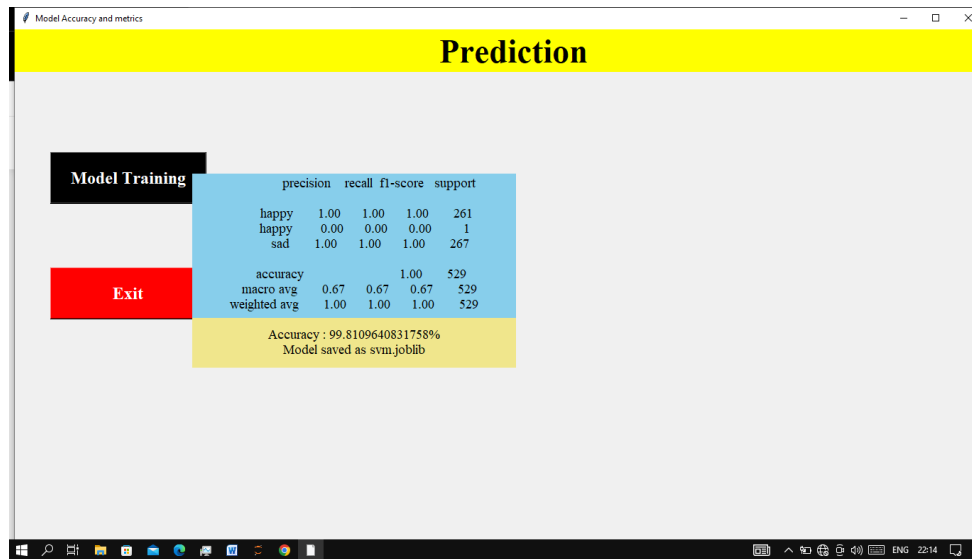




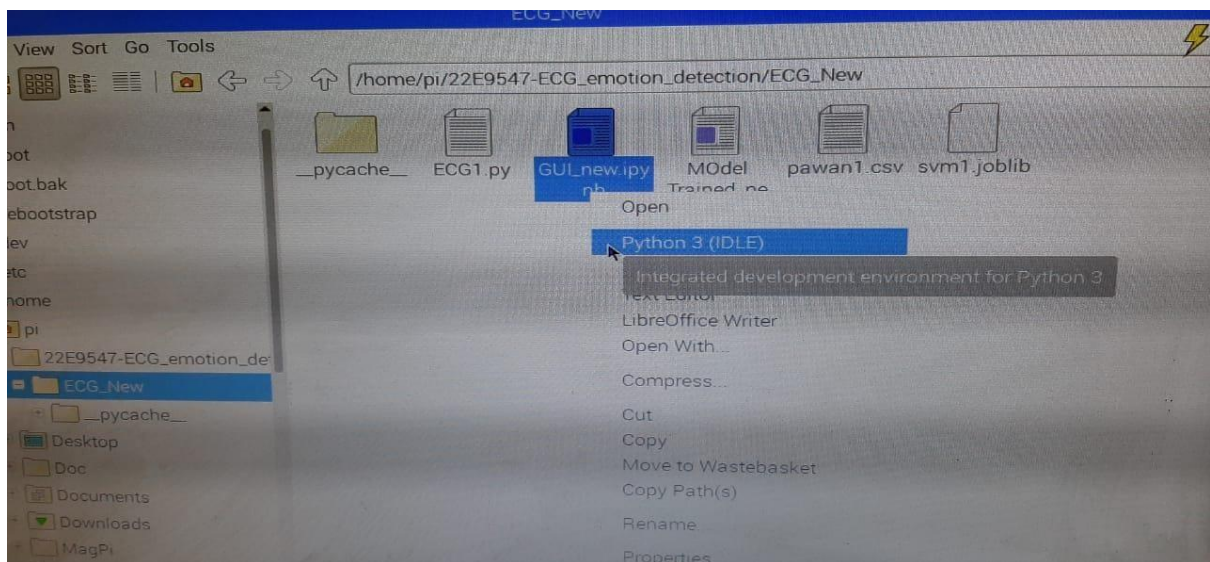
**Step 5: then open ECG\_New file to run the program of Model\_trained and GUI page to get result:**



After Run this code we get result like this:



Step 7: Run the GUI page interference :



After run this code we get the output like this:

