PiEEG. Introduction. Easy start.
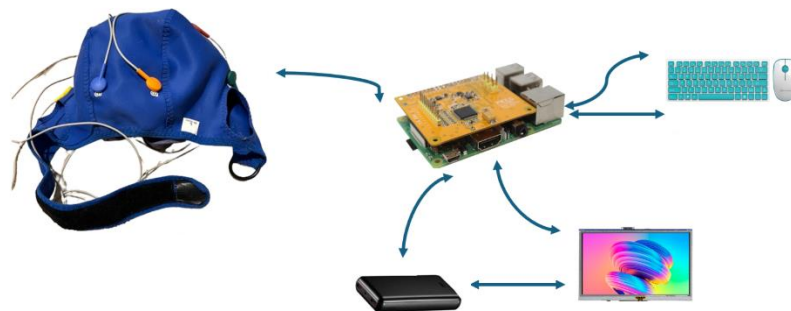
1. **For RaspberryPi4,5 (Pi4,5) install Raspbian operation system**

    https://www.raspberrypi.com/software/

2. **Connect PiEEG directly to RaspberryPi4 via GPIO40**

3. **Connect camera screen via micro-HDMI, battery, keyboard and mouse**

4. **Install python IDLE to RaspberryPi**
    Step 1
    Open a terminal window from Raspberry Pi.
    Step 2
    Type following command in terminal.
    sudo apt-get install python3
    Step 3
    Type following command in terminal.
    sudo apt-get install idle3

5. **Install necessary libraries via pip for Python Idle**
    Open terminal and install the next libraries
    Pi4
    sudo pip3 *install spidev*
    sudo pip3 *install matplotlib*
    sudo pip3 *install RPi.GPIO*
    sudo pip3 *install scipy*

    Pi5
    sudo pip3 *install RPi.GPIO*
    sudo pip3 *install matplotlib*
    sudo pip3 *install scipy*
    sudo pip3 install gpiod ==1.5.4

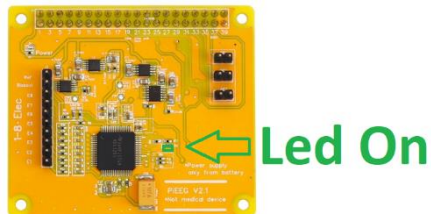6. **Launch the script**
    Pi4
    https://github.com/pieeg-club/PiEEG/blob/main/1.GUI/1.8_ch_Pi4.py
    Pi5
    https://github.com/pieeg-club/PiEEG/blob/main/1.GUI/1.8_ch_Pi4.py

7. **LED should be ON**

8. **GUI**

    Receive the graph, data in real-time