PiEEG. Introduction

1. **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, keyboard and mouse**
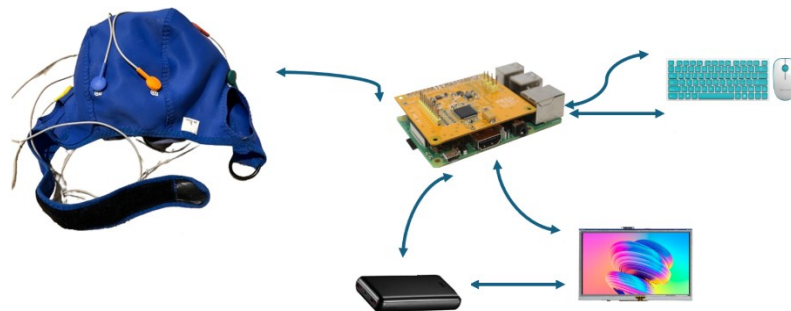
4. **Launch raspberry Pi.**
   Install python IDLE to RaspberryPi
   <u>Step 1</u>
   Open a terminal window from Raspberry Pi.
   <u>Step 2</u>
   Type following command in terminal.
   sudo apt-get install python3
   <u>Step 3</u>
   Type following command in terminal.
   sudo apt-get install idle3

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
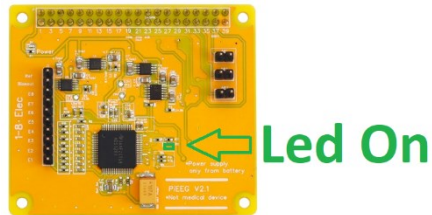   sudo pip3 *install RPi.GPIO*
   sudo pip3 *install matplotlib*
   sudo pip3 *install scipy*
   sudo pip3 install gpiod

6. **after that launch the script**
   https://github.com/pieeg-club/PiEEG/blob/main/1.GUI/1.8_ch_Pi4.py

7. **LED should be ON**

8. **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

   and you receive the graph, data in real-time