

Intro

The text "Signal Processing" is centered within a white hexagonal frame. The frame is decorated with four grey circular nodes at its corners, connected by thin white lines that cross in the center, forming an 'X' shape.

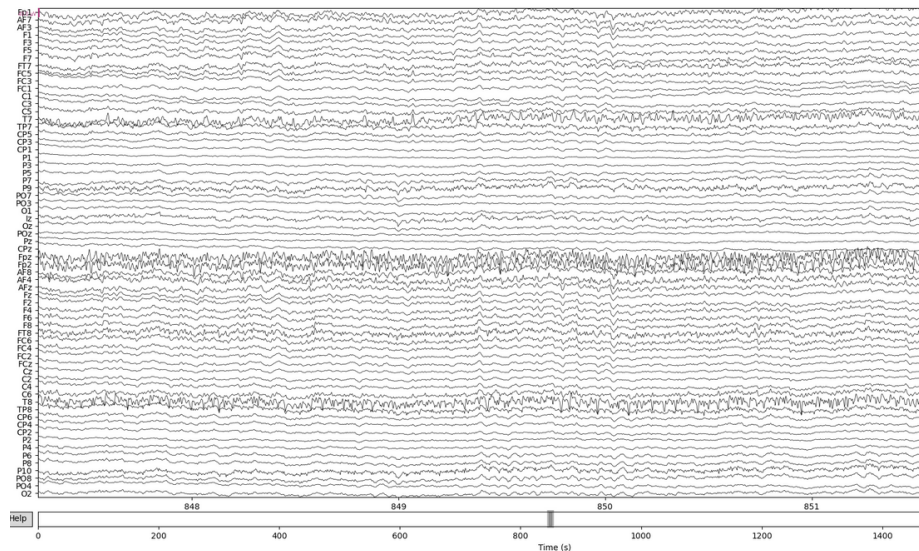
Signal Processing



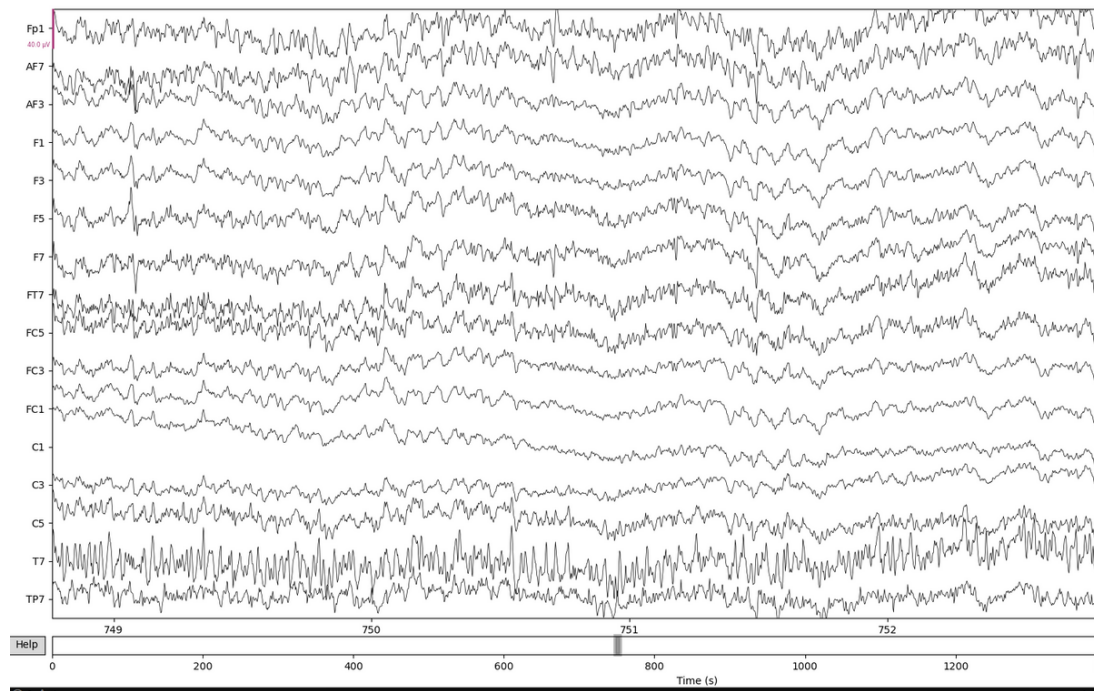
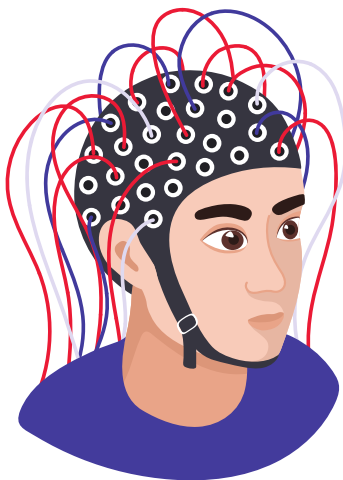
- Nithit Singtokum (Bank)
- 6th year medical students at KCMH
- Research assistant at CCCN

Signal processing

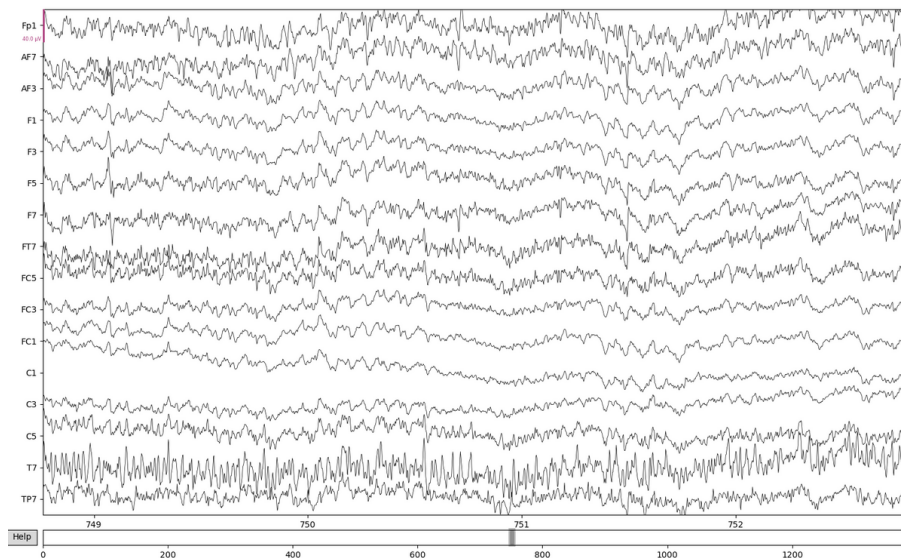
- EEG
- MRI
- etc.



EEG



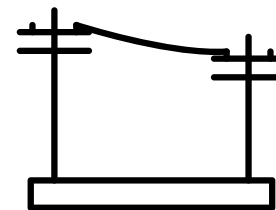
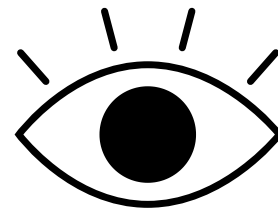
EEG



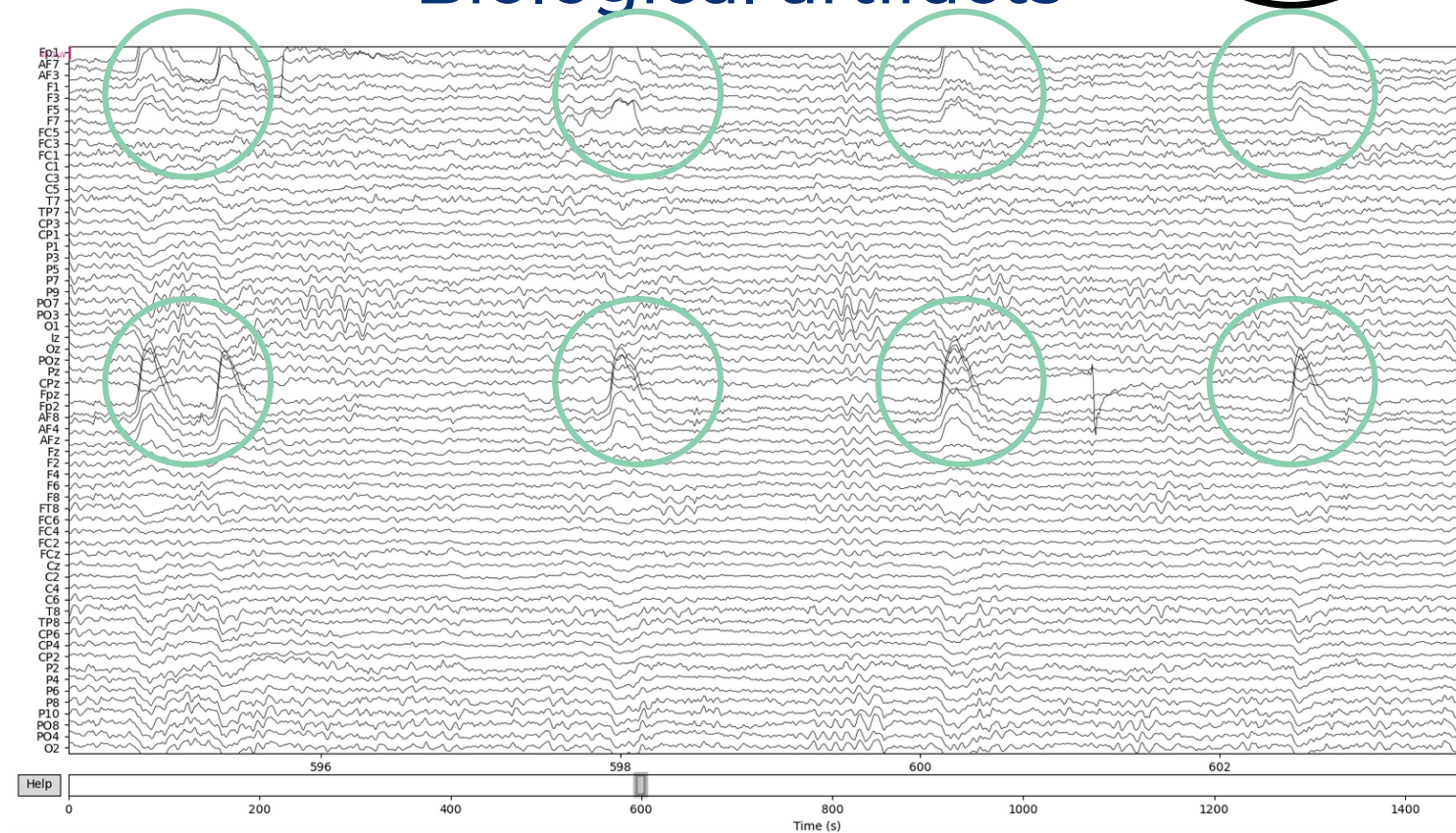
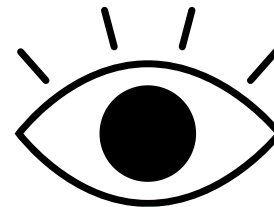
Brain signal

Biological
artifacts

Environmental
artifacts

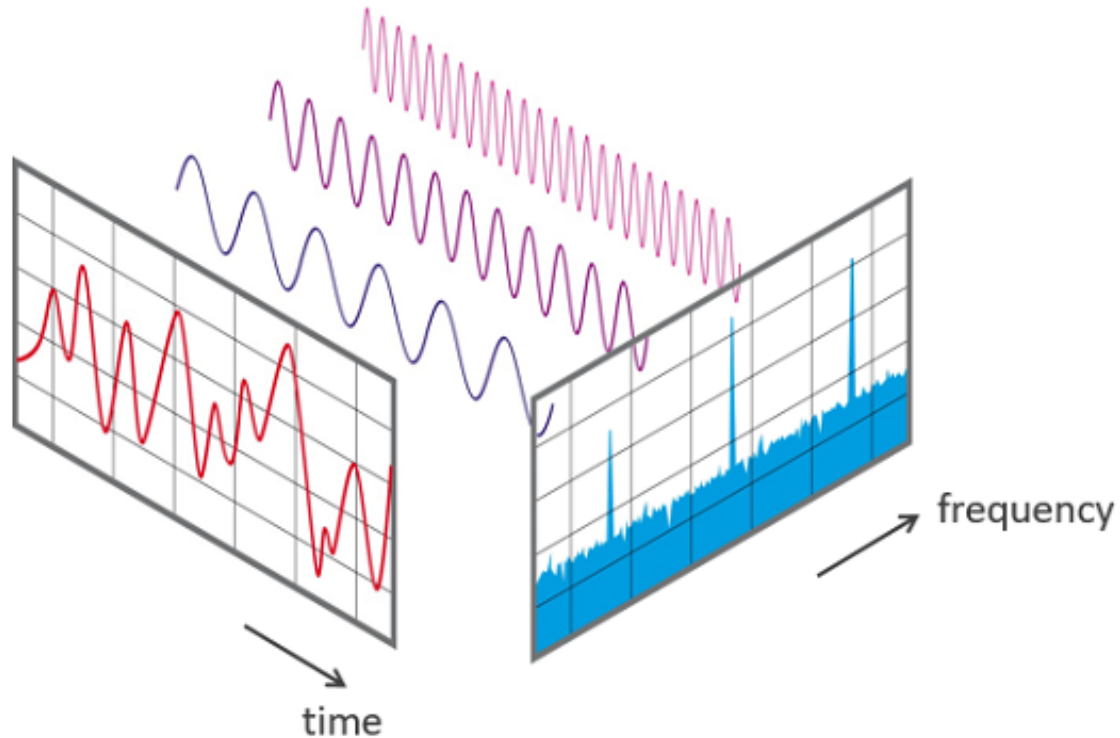


EEG: Biological artifacts



EEG: Brain signals

- Beta (12-35 Hz)
- Alpha (8-12 Hz)
- Theta (4-8 Hz)
- Delta (0.5-4 Hz)



<https://www.allaboutcircuits.com/technical-articles/an-introduction-to-the-discrete-fourier-transform>

Thank you