

Date: 16/02/2024

Participants of the meeting: Nassim – Iman – Hrishkesh – Ravi

Past Week Developments:

- Sharing the repo link created and managed by Nassim - https://github.com/iiMox/project_work_stairs_lift_detection
- We have now implemented two working apps (1> without a GUI for only data collection designed by Ravi and; 2> with a GUI with 5 class manual ground truth recording by Hrishikesh) for the bangle v2 watch to collect data in two separate csv files (file 1> acc data @ 20 ms; file 2> pressure data @ 80 ms)
- As suggested by the professor, when we did a sanity check for the readings for different hand movements we found that instead of ideally getting 50 observations / sec for the acceleration data and 12.5 observations / sec for the pressure data we are only getting 12 and 8 respectively. This can be observed in the sanity check folder in the repo.
- Participant consent form has been created by Iman.
- One more Bangle js v2 has been obtained from Jonas. Total watches with the team: 2 v1s and 2 v2s.

To Do:

- We need to try different code implementations to get the ideal observation / sec. Further work in this area has been undertaken by Nassim and Hrishikesh.
- Further self testing and finding participants for the experiment is also underway and being carried out by Nirav and Iman.
- Participant instruction document needs to be created with the experiment design rules in mind.
- We should start recording with the participants one at a time by the last week of Feb or not later than March first week.
- It was also discussed that a third person POV video will also be shot but not published of the participants doing the experiment for better movement tracking.