

Team: *Bathroom Pro 2000*

Team Members: Michael Leitner, Philip Rockenschaub

1. Progress report

Achieved since the Introduction Lecture :

- Setup Deepcraft
 - Create model project
 - Create data acquisition project
 - First data recordings (testing)
- Set up ESP C8 with homeassistant
 - Sensor gets recognized

Activities planned until next meeting:

- Gather data and classify
- Connect esp c8 with psoc6

Issues / Support needed

- Audio + Pressure data enough streaming capacity? Doesn't work sometimes

Problems we encountered:

- ESP C8 flashing because we didn't read docs :)

2. Progress report

Achieved since last meeting:

- Integrated C8 and PSOC
 - Psoc → (gpio) → c8 → (zigbee) → HomeAssistant
- Preprocessing pipeline
 - Audio: MEL, sliding windows, etc.
 - Presure: std, sliding window
 - Concat
- Data collection:
 - Lots of toothbrushing
 - Negative data
- Resolved streaming issue
 - System fault on our side

Activities planned until next meeting

- More focus on data collection
 - showering
 - hair drying
- Training of first models for all labels
 - (not just brushing teeth)

Issues / Support needed

- Smooth sailing atm and on track

3. Progress report

Achieved since last meeting:

- text

Activities planned until next meeting

- Text

Show what you have planned for the project presentation and your submission, you have more room on the next slide

Issues / Support needed

- text

Infineon PSOC6 Lecture presentation and final submission plans

Short project presentation:

Any special equipment need for demo at the demo Day ?