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Week 1

Supervisor was unable to have meeting this week. Therefore no meeting was held.

Week 2

Date: 29/09/2023
Meeting start: 12.00
Present: Lewis Trundle, Stephen Brewster, Ada Fuge, Grant Simpson
Progress since previous week: Conducted lots of research through various papers related to cycling studies and vibrotactile stimulation.

The group introduced eachother and discussed with Stephen how the project will be structured this year.
Stephen discussed projects with Ada and Grant for ~20 minutes (irrelevent to this project).
Stephen gave Lewis Arduino parts and asked if Lewis can attempt to construct the vibrotactile helmet. It was not known whether all the parts necessary where given to Lewis - he would need to find that out himself.

For next week:

- Lewis to attempt to construct vibrotactile helmet.
- Lewis to continue research

Meeting end: 12.50

Week 3

Date: 03/10/2023
Meeting start: 11.00
Present: Lewis Trundle, Stephen Brewster
Progress since previous week: Started assembling the provided components for the Arduino, however multiple components were missing so could not complete.

Lewis stated he required multiple parts to continue assembling the helmet. Stephen noted parts needed and provided some (such as various resistors). However some parts (specifically a breadboard) is still needed to be obtained.
Lewis expressed his thoughts on what steps the project should take, asking Stephen to clarify what he meant by 'audio classification'.
Stephen explained how audio classification could be used within the project.
Also discussed the potential of conducting a survey for cyclists to express what they would like to see from such a helmet.
Both Lewis and Stephen then attempted to find a breadboard but with no success.

For next week:

- Stephen to acquire missing parts
- Lewis to continue assembling the helmet.
- Lewis to look into creating a user survey.

Meeting end: 11.30

Week 4

Date: 10/10/2023
Meeting start: 11.00
Present: Lewis Trundle, Stephen Brewster, Ada Fuge, Grant Simpson
Progress since previous week:

- Built first version of the circuit with working tactors
- Created a prototype app on MIT App Inventor to control the motors
- Started creating a React Native app.

Lewis stated he had made good progress since their last meeting. He had managed to assemble an initial version of the circuit and had tested establishing a bluetooth connection via a prototype app he had made via MIT App Inventor.
Stephen gave Lewis a bike radar for him to integrate into the system.
Lewis remarked he hadn't had a chance to think about a user survey yet but would like to get started on that this week.
Stephen discussed projects with Ada and Grant for ~30 minutes (irrelevant to this project).
Stephen and Lewis discussed ways in which the vibro-tactors could be arranged on the helmet to convey different information.

For next week:

- Lewis to start creating an initial user survey
- Lewis to look into how motors can be arranged on helmet
- Lewis to integrate sensor into the system
- Lewis to continue building the app.

Meeting end: 11.50