

Year 2 Project (ELEC222/273) – Supervisor meeting – Week 1

Date: 30/1/2023

Supervisor: Dr. D. McEneaney

Project Title: Wearable Sensor

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|---------------------------|--------------------|---------------|
| Student Names /Attendees: | 1. Yixiao Shen | 2. Jialun Guo |
| 3. Qi Zhou | 4. Jack Brissenden | 5. |

Summary of week's activities:

1. confirm the lab days.
2. Complete part of project-management-forms.
3. Assign poster & blog & weekly log-book to members.

Problem, issues and concerns:

1. Hardware: the using of IIC multiplexer.
2. Software: how to bind the joints with their corresponding IMUs.

(using multiplexer)

Tasks for next week/Actions for next meeting:

1. Hardware: read data from multiple IMUs at once, if successful, try to build communications with PC via ~~UART~~/Socket.
2. Software: Try to work out relevant coordinate transformations, generally, design a simple displaying engineer for all kinds of combinations of joints, binding joints with their corresponding IMUs.

Supervisor use only

Progress Assessment: ☐ Unsatisfactory ☐ Satisfactory ☒ Good

Comments/Recommendations:

Excellent plans. Keep working on those but bear in mind you may not achieve every objective in the end - if so, may need to prioritise.