

Year 2 Project (ELEC222/273) – Supervisor meeting – Week 3

Date: 12/2/2023

Supervisor: Dr. D. McIntoch

Project Title: Wearable Sensor

Student Names / Attendees:	1. Yixiao Shen	2. Jialun Guo
3. Qi Zhou	4. Jack Brissenden	5. Canning Charles Thomas

Summary of week's activities:

- ① able to fetch data from multiple IMUs finally.
- ② able to send messages to server via socket.
- ③ ordered ^{the} 3rd component list, which mainly contains elastic bands & screws.

Problem, issues and concerns:

- ① The integration of module "fetch ~~data~~ data from IMU" & module "send messages through socket" may have incompatibilities.
↳ or use wired communication (UART/USART).

Tasks for next week/Actions for next meeting:

- ① construct ^{the} whole system & test in practice. if things ~~are~~ arrive.
- ② extended IMU configuration & filtering.
- ③ motion-following for the "Digital Twin". ⇒ rotation & height-shifting.

Supervisor use only

Progress Assessment: ☐ Unsatisfactory ☐ Satisfactory ☒ Good

Comments/Recommendations:

well done to all. If the work on the Arduino PCB works (to break internal SDA/SCL connections) works, then great, but if not, it is good to revert to a wired connection (after documenting your progress & problems with I2C/WiFi) with videos.