Meeting Notes

***Meeting Agenda*** – Weekly meeting with the clients, Dr Macro Ernst, and Dr Hieu Nguyen and updating about the progress of the project.

***Meeting Attendance:***

Andrew Leong (u6283651)

Balaji Radhakrishnan (u7322353)

Bhargav Ashok (u7172176)

Levi Zhang (u6972739)

Yixin Lu (u7411857)

Zhengdao Zhou (u6706891)

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| ***Meeting Notes:*** | ***Meeting Duration ~ 80 minutes*** |

The meeting was in-person with all group members present. The meeting started off with Andrew showing the progress in terms of the requirements needed for audit 2. The system’s engineering part as well as the updated landing pages were shown to the clients and the feedbacks were recorded. After that Bhargav and Balaji updated the clients on the electrical part of the project. Different approaches towards figuring out the whole connection of the system, as well as discussion of initial calculations done. A few more potential parts were discussed, which included adding more MOSFETS to the system as well as adding a filter for the cameras to block more visible light into the sensor. Jason, Lu and Levi updated Marco on the progress of the project in terms of the coding and software side. Few queries on the RF link was raised by Jason which was discussed with the team and the clients. Lu showed the final prototype of the GUI and Levi showed his progress in terms of image capturing and image processing. Levi handed out the HQ camera to Balaji in order to remove the IR filter. Marco suggested to use the clean room in the engineering department to do the IR filter removal process since the sensor will be exposed to dust which would potentially make it useless. A time for removing it was discussed and was set at 2pm on the same day, but Balaji couldn’t make that timing, so it was changed to Monday 11am (27/02/2023). Balaji and Bhargav left the meeting early to have their meeting with Chris Jones. The rest of the meeting was just the software team updating their progress.

***Meeting Outcomes:***

1. Briefed the clients about the progress of the project as well as the progress for audit 2.
2. The electrical circuits and calculations were discussed with the clients.
3. Questions and feedback about the progress of the team members were discussed.
4. The progress of the systems engineering side was discussed.

***Current Deliverables[[1]](#footnote-1):***

1. Meet with Chris to consult and discuss about the current limiter circuit.
2. Finalize the software simulation for the current limiter in order to start sourcing required components.
3. Finish up the systems engineering documentation as well as update the landing page for audit 2.
4. Remove the IR filter on the HQ camera in order to use that instead of the lower quality camera currently in use.
5. Send over the final Bill of materials in order to get the required parts for the circuit.

1. Current Deliverables: Refers to immediate tasks that need to be performed prior to the next meeting. [↑](#footnote-ref-1)