Senior Design Weekly Report

Week of: March 24, 2025

Group #: 8

Members: Chase Ennis, Cade Wrinkle, Nick Michael, Mason McDaniel, Michael Mowad

**General Summary:** (What did the group do for the week?)

March 24: Everyone kind of did their own work. We also worked on some of the Documentation stuff

March 26: We worked on some of the group documentation on GitHub. Nick made a connection with the comm stuff so that is good.

**Significant milestone / achievement:** (Did any major progress happen?) - -

Communication was made

**Continuing action:** (The plan for next week, it’s just a plan)

At this point, we are trying to piece everything together and test it.

**New Unplanned Issues & Corrective actions:** (Not every week will have one, use reasonable judgement)

N/A

**Open Issues:** (Should be an accurate log of issues that still need to be resolved from the previous weeks. It may need to be carried over from week to week and may get long)

None at the current moment

**Resolved issues:** (Should reference some previous issues. These issues should no longer appear in the open issues section and do not need to be carried over from week to week)

1. We figured a way to simplify the hashing process.
2. Possibly the communication

**Individual Contributions**: (A little bit more detailed summary of individual efforts, it should be reflective of the individual action logs. It isn’t required that members only work in their respective disciplines.)

Chase is responsible for weekly meetings document. He is also responsible for the encryption side also. Cade is responsible for the mobile application and what happens when the server receives the images. He has set up the servers. Michael is preparing to train the final model of the image recognition model and is writing python scripts to help automate detection and cropping processes. Mason and Nick are working on the RF communications component, viz. updating the Arduino transceiver code to consider structured packets. Also we all are helping in terms of the Group Documentation stuff