EE/CprE/SE 492 BI-WEEKLY REPORT 6

10/27/20 – 11/08/20

Group number: 18

Project title: Magic Door Sensors

Client & Advisor: Daji Qiao

Team Members/Role:

Mitchell Bratina/ Project Plans Engineer

Calvin Christensen/ Engineering Activities Director

Isaiah Exley-Schuman/ Reports and Documentation Management

Collin Kauth-Fisher/ Conflict Resolution and Server Management

Joseph Kueny/ Meeting Facilitator

Past week accomplishments:

- Final Presentation – Everyone
  - Wrote slides
  - Wrote scripts
- PIRM Presentation – Everyone
  - Wrote slides
  - Wrote scripts
- Final Report – Everyone
- Meeting with Advisor – Collin, Joseph, Mitchel, Isaiah
  - Updated advisor on status of project, discussed plans for the next couple weeks.
- ESP32 Room – Collin & Joseph
  - Test environment is fully set up
    - Collected large amounts of CSI data for training
- Machine Learning – Mitchel
  - Continued experimentation with ML strategies
- Testing and Analysis of Active Sensor – Isaiah & Calvin

Pending issues:

Individual contributions:

Name	Contributions	Hours this period	Hours cumulative
Mitchell Bratina	Attended meetings, worked final presentation, worked machine learning training	12	72

Calvin Christensen	Attended meetings, worked final presentation, assisted prototyping, researched door state detection	12	72
Isaiah Exley-Schuman	Attended meetings, worked final presentation, tested prototype of active door sensor, drafted reports	12	72
Collin Kauth-Fisher	Attended meetings, worked final presentation, worked testing and data formatting	12	72
Joseph Kueny	Lead meetings, worked final presentation, assisted with machine learning and testing	12	72

Comments and extended discussion: NA

Plans for the upcoming weeks:

- Prepeare Final Documents and Presentations – Everyone

Summary of weekly advisor meeting: In our last meeting, We made our PIRM for Daji in anticipation of our final submissions so we could look them over together. Ha gave advice on things to add and things to cut. We made plans for our next meeting to have a similar theme with the final documents to be looked over.