

EE/CprE/SE 491

BI-WEEKLY REPORT 2

3/1/20 – 3/15/20

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

Summary: Most parts arrived and received by Isaiah. Team members are investigating CSI and doing additional work to test the received equipment.

Pending issues: Still awaiting delivery of transmitter module.

Individual contributions:

Name	Contribution	Hours this period	Hours cumulative
Mitchel Bratina	did research into csi and I started looking into ways to amplify signals	12	48
Calvin Christensen	Researched power sent in a transmission and	12	48
Isaiah Exley-Schuman	Created schematics for	12	48
Collin KauthFisher	Built up backend and branched into the basestation layouts	12	48
Joseph Kueny	Researched CSI and the use of ESP32 for CSI	12	48

Comments and extended discussion: N/A

Plans for the upcoming weeks: to develop a plan for the use of CSI, and to set up a test for the door module once the transmitter arrives.

Summary of weekly advisor meeting: Discussed the current state of the project and future plans. Our 2nd meeting was cancelled by our advisors request.