

# EE/CprE/SE 492 Bi-Weekly Report 07

**November 20th - December 2nd**

**Group Number:** 18

**Project Title:** Object Detection and Identification with Sensor Fusion

**Client:** Danfoss (Michael Olson)

**Advisor:** Dr. Wang

**Team Members/Role:**

- Tucker Creger - Project Manager
- Eric Bishop - Software Developer
- Kellen O'Connor - Deep Learning
- Clayton White - Hardware Design Engineer
- Mitch Hagar - Radar System Lead
- Nihaal Sitaraman - Hardware Developer

**Weekly Summary:**

Over the last two weeks, we started to finish our project documentation. We met several times as a team to work on our poster. We also met to work on our final report. Kellen also added additional software functionality around system diagnostics and completed documentation.

**Past week accomplishments:**

- We finished our poster and our final report.
- Kellen added diagnostics to the software. Tucker assisted with CAN protocol information.
- Kellen thoroughly commented all code to aid in the handoff to Danfoss.

**Pending Issues:**

- We need to finish preparing our IRP Presentation. We also need to practice it several times.

**Individual contributions:**

Name	Accomplishments	Hours This Report	Hours Cumulative
Tucker Creger	I worked on creating the poster and the final report. I also worked with Kellen on adding radar diagnostics via CAN.	12	72

Eric Bishop	I worked with the team to finalize documentation and our poster. We made a final plan of what will be giving to our client and what the next steps will be.	6	56
Kellen O'Connor	Worked with the team on the poster and final report. Finished software documentation and added diagnostics. Fixed one small bug with image undistortion.	12	78.5
Clayton White	Wrote sections of the Final Report. Finalized the poster. Worked on final presentation slides.	8	50
Mitch Hagar	I worked with the team on finalizing the poster. I worked on the final report.	7	54
Nihaal Sitaraman	I worked on the poster and documentation on the final report. I also created graphics that were used in both	12	60

### **Plans for next week:**

- We will be creating our PowerPoint Presentation for our IRP Presentation.
- We will be practicing our final presentation as a team.
- We will give the IRP Presentation and poster session.
- We will deliver our system to Danfoss and extra parts to ETG.

### **Advisor/Client Notes:**

We met with our client and advisor on 11/29 to review the final steps for the semester.