

EE/CprE/SE 491 WEEKLY REPORT WEEK 4

January 28, - February 3

Group Number: 14

Project Title: IoT Passive Monitoring of Assisted Living Homes

Client: Andrew Guillemette, Optical Operations

Advisor: Goce Trajcevski

Team Members/Role:

Trevor Henderson	--	Test Engineer
Nick Schneider	--	Meeting Scribe
Austin Kerr	--	Chief Engineer
Austin Sudtelgte	--	Chief Engineer
Ryan McCullough	--	Meeting Facilitator
Josh Blanck	--	Report Manager

Weekly Summary

Met as a team on Monday. Delivered Lightning Talk #1. Began compiling a list of sensors. Drafted a preliminary deliverables list. At this point in time, most of the technical work on the project is on hold until our deliverable list is approved, as we wish to have in writing the concrete items for which we are responsible.

Past week accomplishments

All Members:

Attended Team meeting on Monday 1/28 in Coover 1016 at 2:00 PM. We have agreed to have at least this meeting weekly, same place, same time. Meeting topics covered finalizing the Lightning Talk, weekly reports, the purpose of this class, and which documents to prioritize, namely the list of sensors.

The list of potential sensors that we will research and evaluate further was drafted, and members have begun adding their findings to the list.

A preliminary deliverables list was drafted, stating the deliverables that the team will deliver by the end of semester. The list has been sent to our advisor for review and advice, response pending.

Trevor Henderson:

Researching sensors. In particular the motion and load sensors.

Nick Schneider:

Looked into different sensors that could be used for the project. Found a sensor that may work well for keeping track of electrical usage by attaching to breaker box. I also gave part of the lightning talk during class this week.

Austin Kerr: Researched sensors to use.

Austin Sudtelgte:

-Technical research

Looked into options for sensors and data collection

Read essays pertaining to the project

-Communication

Spoke with the client to determine proper meeting times, settled on Sundays, 4:00 PM, Vermeer

Building

Spoke with the client to determine their wants and needs

Spoke with our advisor to determine proper courses of action

Spoke with our advisor to set up meeting times

Added Client to the slack channel

Ryan McCullough: Researched sensors to use.

Josh Blanck: Finished Weekly Report 3.

Pending issues

All:

Deliverables list needs improving, as some items are very specific and some are very nebulous and vague. Talking more with the client and our advisor will help the process. Trouble getting input on documents being sent to the client

Josh:

Still behind on weekly reporting, will need to work faster to catch up. Apparently Report 3 was not well received, and I will work on elucidating further in future reports.

Individual contributions

Name	Individual Contributions	Hours this week	Hours Total
Trevor Henderson	See past week accomplishments	2	6
Nick Schneider		2	6
Austin Kerr		1	5
Austin Sudtelgte		2	6.5
Ryan McCullough		2	6.5
Josh Blanck		2	6.5

Comments and extended discussion

None.

Plan for coming week

All:

Finalize deliverables list to be approved by client.

Sign necessary documents including the NDA, IP forms, etc.

Draft first version of Project Plan, and assign specific tasks to team members.

Continue researching sensors

Begin researching cloud servers

Determine long term goals for project.

Josh:

Improve Team website by posting weekly reports (ideally as soon as finalized) and member photos and bios (deadline tentatively EoW Week 5). Finish Weekly Report 4 by EoD Wednesday and Weekly Report 5 by EoD Saturday.