EE/CprE/SE 491 WEEKLY REPORT WEEK 5
February 4, - February 10
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 with client and advisor on Sunday. Met as a team on Monday. Met with advisor on Thursday. Worked on and finished first draft of project plan. Worked further on deliverables list. Technical work on project is still holding until deliverables are approved.

Past week accomplishments

All:

Met with client and advisor on Sunday, Feb 4 at 4:30 in the Vermeer building. Meeting discussion centered around finalizing our deliverables list and specific actions our team should take going forward. Attended group meeting on Monday. Meeting focused on finishing deliverables list and on the project plan. Everyone took sections of the project plan and finished our first draft by the EoW. Team members signed necessary documents (NDA and IP forms). Met with advisor on Thursday. Meeting focused on other teams and projects that we could draw inspiration from. Advisor also gave advice on how we should handle our project, and the frame of mind with which we consider our tasks.

Trevor Henderson:

Researched sensors and collected study cases where the sensors provided in the document have been implemented in similar applications.

Nick Schneider:

Attended all meetings and took notes during that were put on google drive for all. Completed assigned parts of project plan after discussing content as a team. Gained a stronger understand of how our advisor wants us to interact with the advisor, which includes being more assertive. Started coming up with specific questions and scenarios to bring to client to ensure that our strategy is clear.

Austin Kerr:

Read through relevant documents provided by our advisor. Explored use cases for sensors and data collection. Worked on the Project Plan, specifically worked on scheduling for the upcoming semester. Met with the advisor to discuss the Project Plan and how to have more efficient meetings with our Client.

Austin Sudtelgte:

Continue research into sensors, their application, and libraries to use them

Work on Project plan

Set up weekly meetings with advisor

Complete deliverables document detailing specifically what will be completed by the end of the semester

Re-read documents that have attempted this in the past

Ryan McCullough:

Read documents provided by the advisor, researched technologies to use.

Josh Blanck:

Finished weekly reports 4 and 5. Posted Reports 3, 4, & 5, and the Project Plan to website, and made some minor changes to the website. Read over documents suggested by advisor.

Pending issues

Individual contributions

Name	Individual Contributions	Hours this week	Hours Total
Trevor Henderson	See Past week accomplishments	2.5	8.5
Nick Schneider		2.5	8.5
Austin Kerr		2.5	7.5
Austin Sudtelgte		5	11.5
Ryan McCullough		2.5	9
Josh Blanck		4	10.5

Comments and extended discussion

None.

Plan for coming week

Trevor Henderson:

      The plan for this week is to work on Technical Constraints portion of the project plan paper. I also plan on researching Hadoop with Amazon Web Services for big data analytics. Continue to attend meetings and get a better feel for what data analytics platform will work for the client

Nick Schneider:

      The plan for this next coming week is too help but use cases on paper that will ensure that the client and us are understanding our strategy for the project. Continue research on sensors and come to a final verdict on the sensors I want the team to use that I have found. Continue to attend every meeting and take more organized useful notes during them.

Austin Kerr:

      For next week I am going to go through use cases for each interest area and research what type of sensors will be the best fit to collect the data that we need. We have an initial list of sensors but at this point we are getting a good feel of what types of sensors we need so we are able to look at what specific sensor that is on the market would fit our needs best.

Austin Sudtelgte:

      Continue researching sensors and libraries that will be useful in this project. Begin work on hardware and software flowcharts as requested by client

Ryan McCullough: Continue to research sensors and compare sensors to find the best choices.

Josh Blanck:

      Research into sensors and relevant technologies for the project. Try to find past projects/technologies that mirror our situation to draw inspiration from.