
EE/CprE/SE 491 WEEKLY REPORT 1

1/30/2023–2/5/2023

Group number: 4

Project title: CLARE: The Lab Availability Tracker

Client &/Advisor: Mohamed Selim/Ahmed Nazar

Team Members/Role:

Evan Uhlmeyer - TBD

Frank Sullivan - TBD

Jorge Ortiz - TBD

Tyler Rolston - TBD

Joel Neppel - TBD

- **Weekly Summary**
 - This week we completed our first weekly meeting with our Client and Advisor. During this meeting we got a better idea of the scope of our project and went over some possible ways to proceed. Other than that, this week we brainstormed some research goals, which we divided up between the members. The assignments for research are in the plans for the upcoming week.

- **Past week accomplishments**
 - Joel Neppel:
 - Jorge Ortiz:
 - Began investigating how to track computers via the network.
 - Tyler Rolston:
 - Emailed ETG inquiring about access to the security cameras to estimate room occupancy.
 - Frank Sullivan:
 - Began investigating YOLOv5 for machine learning approach
 - Evan Uhlmeyer:
 - Communicated with Client/Advisor to set up weekly meeting times.

- **Pending issues** *(If applicable: Were there any unexpected complications? Please elaborate.)*
 - Joel Neppel: N/A
 - Jorge Ortiz: N/A
 - Tyler Rolston: N/A
 - Frank Sullivan: N/A
 - Evan Uhlmeyer: N/A

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should beshort.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Joel Neppel		1	1
Jorge Ortiz		1	1
Tyler Rolston		1	1
Frank Sullivan	Reviewed YOLOv5 documentation	1	1
Evan Uhlmeier	Client/Advisor Communication	1	1

○ **Plans for the upcoming week**

- Joel Neppel:
 - Investigate the use of sensors to determine if a workstation is in use (current methods being used).
- Jorge Ortiz:
 - Investigate how acquire a domain from ece and basic web development.
- Tyler Rolston:
 - Research website technologies
- Frank Sullivan:
 - Continue researching YOLOv5, test machine learning capabilities
- Evan Uhlmeier:
 - Investigate methods SIC and Testing Centers are currently using for room tracking.

○ **Summary of weekly advisor meeting**

Met with the client and advisor for the first time to meet each other and get a better overview of the project. We found out the project is open-ended with the core functionality needing to be a lab schedule available to students. The next two weeks will be researching what features and technologies we want to use.