

EE/S E Senior Design: sddec20-28

Micro-Mouse Maze Runner Showcase

Week 3&4 Report

Client: Dr. Phillip Jones

Advisor: Dr. Phillip Jones

Team Members:

Richard Anderson

Austin Chesmore

Tyler Fuchs

Jorge Gomez

Aaron Walter

Joshua Wooi

Bi-weekly Summary

A one hour meeting with our advisor was scheduled and we had our first meeting on Friday. Overlay for the semester was discussed and tentative plans were loosely created. Work on the virtual mouse, gui, and physical mouse have and will continue. additionally worked on assembly of the physical prototype.

Past Weeks Accomplishments:

- Advisor meetings scheduled and began
- Gui work
- Virtual mouse
- Physical Mouse

Pending Issues:

- Maze configuration. With the design building shut down, there were plans to utilize the CNC machine, but it is unknown if that resource will be available to the team anymore.
- Parts cover: Designing a cover for the prototype parts using solidworks.

Individual Contributions:

Team Member	Contribution	Prev Week	This Week	Report Total	Total
Richard Anderson	Scheduling meetings, clion, arduino ide setup	3	2	5	8
Austin	Planning meetings and worked on assembling	2	5	7	10

Chesmore	the micromouse prototype				
Tyler Fuchs	Planning and scheduling meetings and timeline for the upcoming presentations	1	4	5	8
Jorge Gomez	Looking into cover design as well and learning to use solidworks software. Learned a little about 3D printing.	2	5	7	10
Aaron Walter	Watched videos on wiring hardware on a breadboard with microcontrollers Got prototype networking with Arduino Feather + Build tools working Discussed 3d modeling for enclosure	6	10	16	19
Joshua Wooi	Looking into Micromouse frame design. Made preparations for the presentation	3	3	6	9

Plans for Coming Week:

- Peer Review Presentation on 9/17