

EE/CprE/SE 491 WEEKLY REPORT 06

10/18/24 – 10/24/24

Group number: sdmay25-31

Project title: i281

Client & Advisor: Prof. Alexander Stoytchev

Team Members:

Ethan Uhrich - Team Lead & Treasurer

Ariana Dirksen - Editor & Note Taker

Tessa Morgan - Task Manager & Webmaster

Gigi Harrabi - Client Interaction & Outreach Coordinator

Weekly Summary

Our objective this week was focused on finishing our rough draft for the MUX lab documentation. In addition we completed our PC hardware implementations. We also finished building our test circuit for testing our PC and MUX hardware implementations.

Past Week Accomplishments

Ethan Uhrich: Finished PC build, Ordered 2nd round of materials, Created tester for PC and Mux circuits.

Ariana Dirksen: Worked with Ethan to finish PC implementation. Finished the background section of the rough draft MUX lab documentation. Helped build the tester for MUX and PC hardware implementations.

Tessa Morgan: Finished simulating MUX and began simulating PC. Finalizing MUX lab write up.

Gigi Harrabi: Finished PC and got a contact from WiSE to help our team arrange our first outreach event

Individual Contributions

NAME	Individual Contributions (Quick list of contributions. This should be short.)	Hours this week	HOURS cumulative
Ethan Uhrich	Finished PC, Ordered materials, Finished Tester Prototype.	5	29
Ariana Dirksen	Finished PC, Finished Tester Prototype, Finished Rough Draft MUX Lab Documentation.	6	33
Tessa Morgan	Finished simulating MUX and began simulating PC. Finalizing MUX lab write up.	5	29
Gigi Harrabi	Contacted WiSE about lab event and setting it up in November	6	27

Plans for the Upcoming Week

Ethan Uhrich: Test Mux with testing circuit, Test PC with Testing Circuit.

Ariana Dirksen: Write a rough draft for the first lab as well as designing a circuit for the lab and implementing circuit with hardware.

Tessa Morgan: Simulate PC and test MUX.

Gigi Harrabi: Finalize lab event set up and designing and re-implementing digital logic lab.

Summary of Weekly Advisor Meeting

- Circuit Check
- Continued Discussion on Ordering Parts, Edits to previous list
- Continued Discussion on Future Labs
- TODO for Next Week - Steps Moving Forward
- Outreach Coordination Discussion
- LaTeX Discussion
- EEPROM Programming in Future Labs