

EE/CprE/SE 492 Status REPORT 06

4/4/25 – 4/17/25

Group number: sdmay25-31

Project title: Implement Curriculum Around the i281 Processor

Client & Advisor: Prof. Alexander Stoytchev

Team Members:

Ethan Uhrich - Team Lead & Treasurer

Ariana Dirksen - Editor & Note Taker

Tessa Morgan - Webmaster & Graphic Designer

Gigi Harrabi - Client Interaction & Outreach Coordinator

Milestones Reached

This period we augmented our Lab 1 activity to work as an educational activity for the BSA outreach event we helped prep for and run. We finished the newest revisions for Labs 1, 2, 3, 5, 6, 10. We are currently working on the rough drafts for Labs 8, 9 and 11. Additionally it was decided that due to time constraints and international tariffs we will no longer be building an additional i281 CPU (PCB).

Accomplishments Over the Period

Ethan Uhrich: Finished Lab 10, Soldered and tested lab 5 board, rewired tester, lab 1 and 3 circuits, helped prep and run BSA outreach event.

Ariana Dirksen: Completed the newest round of revisions for Labs 1, 3 and 5. Started working on Lab 11. Started working on editing our Design Document. Helped prep and for the BSA outreach event.

Tessa Morgan: Lab 2 and 6 revisions. Finished implementing and testing lab 8, began drafting the lab document. Also began working on the design document and worked on the outreach event.

Gigi Harrabi: Half of lab 9 and was able to output different frequencies for clock divider and helped with the BSA outreach event

Individual Contributions

NAME	Individual Contributions (Quick list of contributions. This should be short.)	Hours this week	HOURS cumulative
Ethan Uhrich	Finished Lab 10, Soldered and tested lab 5 board, rewired tester, lab 1 and 3 circuits, helped prep and run BSA outreach event.	25	131
Ariana Dirksen	Lab 1, 3 and 5 Revisions. Begun work on Lab 11. Helped with the BSA outreach event.	25	165
Tessa Morgan	Lab 2 and 6 revisions. Finished implementing and testing lab 8, began drafting the lab document.	27	150
Gigi Harrabi	Lab 9 and setting up BSA outreach event	26	146

Plans for the Upcoming Period

Ethan Uhrich: Finish lab 11 rough draft, Finish work on final deliverables, Help finalize labs.

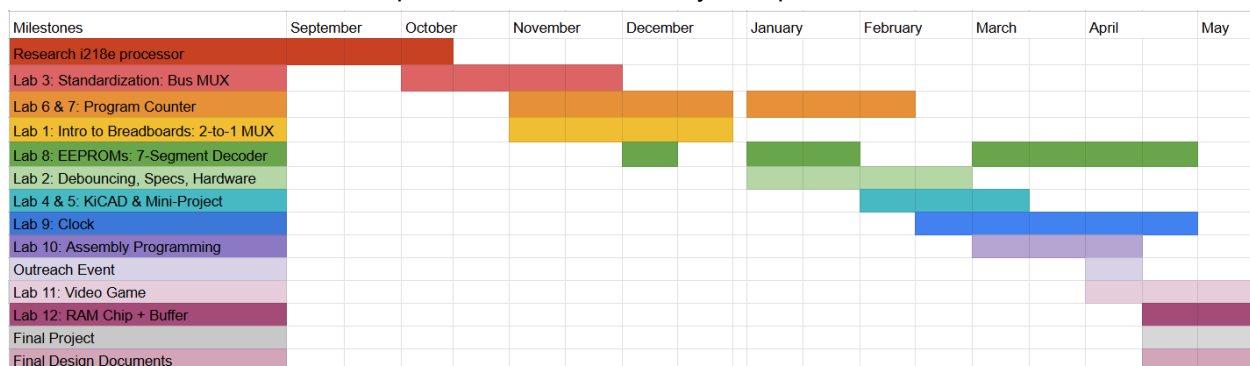
Ariana Dirksen: Finish Lab 11 rough draft. Finalize as many labs as possible. Create answer keys and grading rubrics for the labs. Finish final deliverables.

Tessa Morgan: Complete first draft of lab 8 and lab 8 report. Work to finalize the design document and begin drafting the final project specs.

Gigi Harrabi: Finish clock lab and Lab 9 draft.

Project Work

Updated Gantt Chart for adjusted priorities



Research

This period Ethan did research on soldering and desoldering using a variety of youtube tutorials.