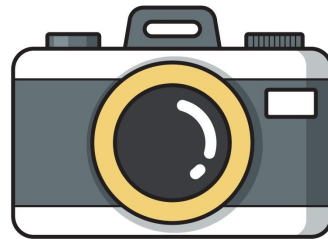


EEEC136 Digital Camera

Week 10 Project Update



Waylon, Cassandra, Viktor, Alina, Angel

Overview

1. Created robust enclosure
2. Added lens to the photodiode array to improve light exposure
3. Assembled list of ideas for future improvements.
4. Added internal battery with switch
5. Presented design
6. Began working on Final Report

Waylon

This week:

- Presented design and enclosure
- Soldered switches in place
- Began working on final report

Next week:

- Complete slides for final presentation
- Complete final report
- Take photos for marketing



Alina

This week:

- Helped to make the design of the enclosure
- Helped Viktor with the lens

Plans for next week:

- Work on the report and slides, and practice the presentation

Viktor

This week:

- **Design:** Modified 3D model with Alina
- **3D:** Printed the final model and help with the assembly.

Plans for next week:

- Complete slides for final presentation.
- Complete final report.
- Take photos for marketing.

Angel

This week:

- **Assemble:** Assisted Viktor in assembling the new final camera enclosure.
 - 3D-Printed parts for enclosure
- Presented the new enclosure and full functionality of camera with team.

Plans for next week:

- Work on final report
- Prepare for demonstration



Cassandra

This week:

- Final design - assisted with testing and demonstration

Plans for next week:

- [Documentation](#) - final report and presentation slides
- Final presentation and demonstration

Reference Images

Fig 1.1 - 3 picture pixel test

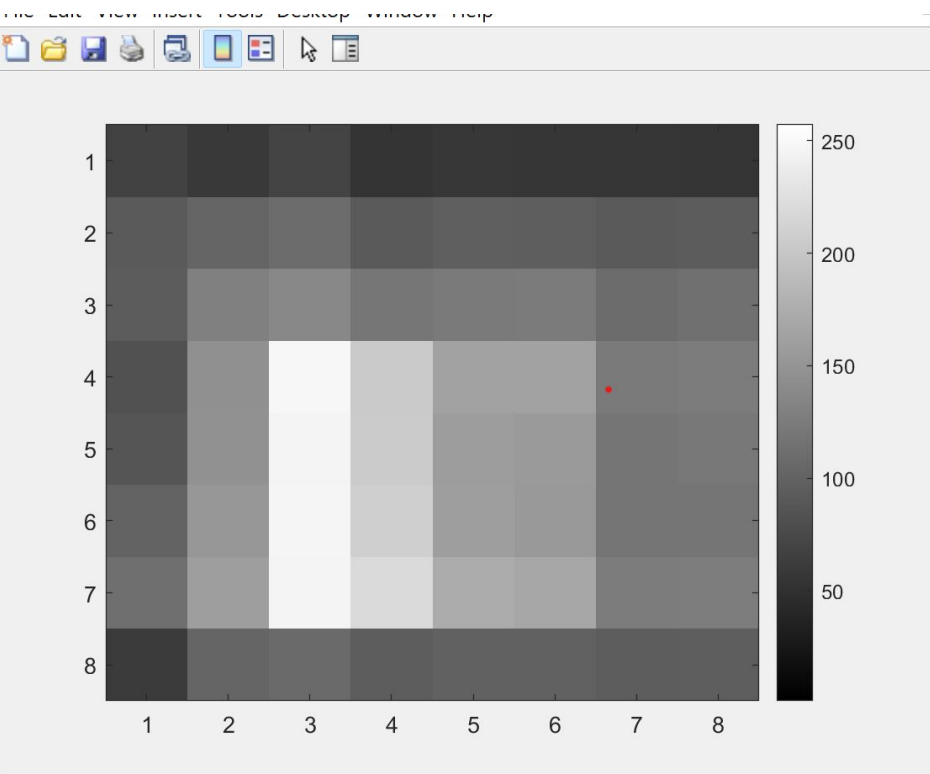
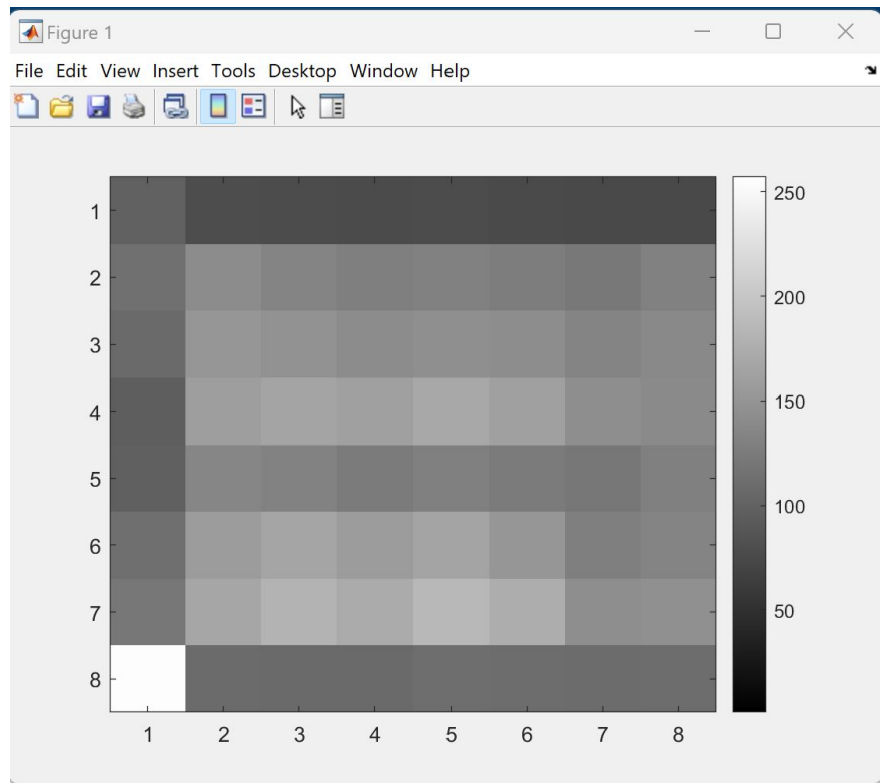
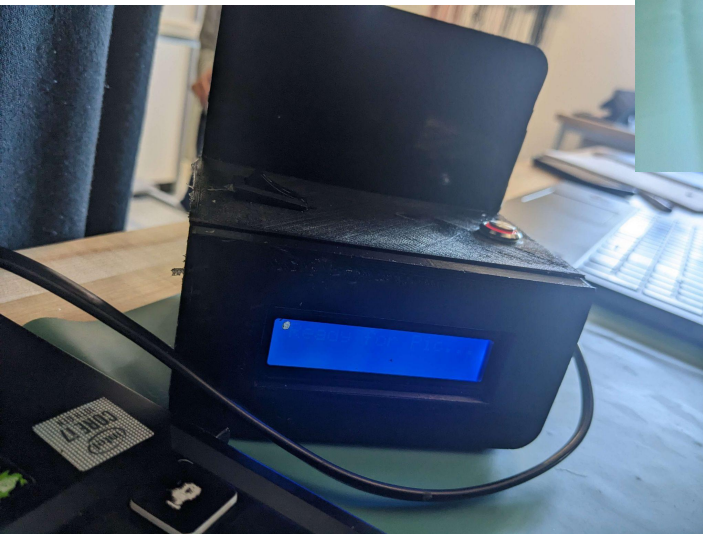


Fig 1.2 - Selfie of the team



Reference Images



Gantt Chart

PROJECT TITLE	Digital Camera	COMPANY NAME	EEC136B
PROJECT MANAGER	Waylon	DATE	3/10/23

[illegible]

[Gantt Chart Google Slides Link](#)

Bill of Materials Page 1 of 2

Item	Part No.	QTY	Cost	Received
Photodiode	VBPW34S	64	\$54.00	X
Button	474-COM-08720	5	\$5.25	X
Header Pins	HDR100IMP40M-G-V-TH	10	\$4.95	X
PSOC	CYBLE-416045-02	2	TBD	X
Crystal Oscillator	ECS-2520MV-250-CL-TR	1	TBD	
Battery	LIPO Battery (3.7V)	1	\$10.95	X
OLED Display	LCD-13003	2	\$35.76	X
Tri-LED	HSMD-C191	5	TBD	X
Multiplexer	BOB-13906	2	\$5.90	

Bill of Materials Page 2 of 2

Item	Part No.	QTY	Cost	Received
10KΩ Resistor	3503G2B10K7FTDF	4	\$6.56	
0Ω Resistor	MCT0603HZ0000ZP500	10	\$6.10	
1KΩ Resistor	RA73F1J143RBTDF	2	\$3.88	
10uF Capacitor	GMK316BJ106KL-T	1	\$0.33	
22pF Capacitor	12065A220JAT2A	2	\$2.80	
4.7KΩ Resistor	263-4.7K-RC	2	\$0.20	
330Ω Resistor	CMP0805-FX-3300ELF	1	\$0.21	
220KΩ Resistor	CRGCQ2512F220K	8	\$3.68	
470Ω Resistor	CRG0603F470R	1	\$0.14	