EE 492 BIWEEKLY REPORT
02.25.24 - 03.30.24
sdmay24-22
Wirelessly Charged Nursery Light
Client/Advisor: Cheng Huang
Team Members:

        Joshua Holloway (Team Lead/Client Interaction)
        Thomas Youhn (Electrical Lead)
        William Snyder (Tester)
        Logan Farmer (Facilitator/Designer)
        Alexandros Psomas (Product Designer)

Summary

        Throughout the time before spring break, this period was focused on our team review of sdmay24-24, and that transitioned into project housing design and testing through and past spring break.

Accomplishments
- Made and presented our team progress for our team review.
- Reviewed, met, and discussed notes with sdmay24-24 for reviews.
- Designed, printed, tested, and modified product housing with additive manufacturing tools
- Ordered circuit board for final prototype circuit soldering.

Pending issues
- Update cup outer files?

Plans for Upcoming Week
- Solder board
    - Tommy
- Assemble, test, and plan next steps for project
    - Josh
    - Aleco
- Plan meeting with Advisor

NAME	CONTRIBUTION	BIWEEKLY HOURS	TOTAL HOURS
Josh	Designed, modeled, printed, and tested Project Housing.	12	52
Thomas	Testing for all new components (charger), added LED charging indicator, reorganized breadboard, general testing	8	49
William	Assisted with testing and worked on the midterm peer reviews	6	42
Logan	Extended testing of wireless charger and battery management system	6	45
Alexandros	General testing of battery length and temperature requirements	7	43

Midterm Feedback

1. Summarize the feedback you received (both written and verbal).

The majority of the feedback we received was complimentary, looking at how our progress has been over the past few months and the planning we've put into the overall design. We had some notes on smaller areas, such as timing of how long the lights turn on/off, and button/handle position.

2. Describe any new insights your team generated based on this feedback.

The newest takeaway we gained was reviewing our time to turn on, as well as our brightness levels currently coded into the main project. We also are reviewing our drawings in our presentation format for the circuit and product housing design to be cleaner and more professional.

3. What steps are you taking based on the feedback?

We are investigating professional tools to make a vectorized format for our circuit presentation, as well as updating our Arduino code to fit the new specs and recommendations laid out by sdmay24-24. Fortunately, we built our code to be easily modulated and this should be very simple.