EE/CprE/SE 491 WEEKLY REPORT 03

3/4– 3/23

Group number: 49

Project title: ***Laser Target Hit Sensor***

Client &/Advisor: ***Tyler Brockely & Jaydon Kim***

Team Members/Role:

Lincoln Khongmaly – Software Developer
Akashkumar Patel – Software Developer
Adam Runde – Circuit Board Design
Sidney Stowe – Arduino Design
Elijah Bryant – Product Assembly
Neftali Medina – Product Design

- **Weekly Summary**

  We were able to solder and create a testable prototype with PCB boards and found that it works much more efficiently. We also put together the project presentation and turned it in with a demo.

- **Past week**

  Past week was spring break, we were unable to physically meet but communicated about future solutions to our coding issue.

- **Pending issues**

  The only issues we have currently are the code. The software engineers on the team are unable to fully incorporate a functional Bluetooth transmission to send the data from the target to the module. Instead, we plan on attaching a motor to the board that will create vibration and set off the sensor in the module.

- **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Lincoln Khongmaly	Attended Advisor and Team Meetings, Spoke with Client to figure out next steps.	3	9
Akashkumar Patel	Attended Advisor and Team Meetings, Looking at Code	3	9
Adam Runde	Attended Advisor and Team Meetings, Soldering boards together	3	9
Sidney Stowe	Attended Advisor and Team Meetings, Soldering boards and helping with Arduino	3	9
Elijah Bryant	Attended Advisor and Team Meetings, Soldering boards together	3	9
Neftali Medina	Attended Advisor and Team Meetings, Soldering boards together	3	9

- **Comments and extended discussion** *(Optional)*

Our client has asked us to create a fully functional PCB kit to show to board. This will prove the current concept and allow use to see how they think of the product.

- **Plans for the upcoming week**
- Lincoln Khongmaly – Speak with client to create a housing unit for the laser sensor and see how we move forward.
- *Akashkumar Patel* –Assist with the design and production of the housing unit.
- *Adam Runde* – Continue soldering sensors, resistors, and other components to the board.
- *Sidney Stowe* – Will assist Adam in Soldering the board. Will also change Arduino if necessary.
- *Elijah Bryant* – Will combine PCB boards to fit the specifications of our casing unit.
- *Neftali Medina* – Will also assist in soldering and ensuring that all electrical connections are established before testing.

- **Summary of weekly advisor meeting** (*If applicable/optional)*

We will meet next week with advisor.