Team Name: sdmay21-20

Team Members: Eli Davidson, Andrew Jacobson, Nikhil Sharma, Wyatt Syhlman

Report Period: Oct 5 - Oct 18

## **Summary of Progress in this Period**

We travelled to Stellar Industries in Garner to observe the crane's function and get a firsthand view of what was required of us. While meeting, the problem was narrowed down to specifically working on developing a rotational sensor. This sensor should, in addition, not be hard to install to pre-existing cranes. We also have started the task of ideating and developing initial ideas that might meet our specified requirements.

## **Pending Issues**

Meeting to finish brainstorming and determine initial solutions that will be the best area of pursuit.

## **Plans for Upcoming Reporting Period**

Meet to discuss ideas on new designs for rotational sensors and determine which kinds of sensors are feasible and meet requirements.