2/20/22 Meeting Minutes

Topics to discuss

**Team Name -** Cold Fries

**Location met -** Discord

5/5 Attendance - 5 Present

**2/20/2022**

**6:15 PM - Meeting Started**

Review our TPR materials and discuss organizing our GitHub files.

Looking at our available options for augers. The cheapest auger easily available may be too large.

Discuss either buying an auger or 3D printing one. Buying an auger would require us to cut it, as the entire auger may be too large with too large of gaps between spirals.

[**https://www.tractorsupply.com/tsc/product/groundwork-metal-garden-auger?cm\_vc=-10005**](https://www.tractorsupply.com/tsc/product/groundwork-metal-garden-auger?cm_vc=-10005) ***auger for reference***

Begin working on the TPR and put it into proper format.

Plan on getting more information and what is needed for the TPR.

Start gathering materials and try to find auger and other materials

Discuss some plan of action as to the project, Kenny will come and give Michael the pi, hub, power

**7:01 PM -**

Davin will get the outline of the TPR information, while Kenny and Kevin will be looking at the augers.

Discuss transfer of PI’s, as the last one got fried/short-circuited

Michael will try to get a web server running on the pi, to test the code for the web client and the connectivity between the site and the parts for the feeder

Once received, look at trying to either condense the 4 sensor codes into one file, or do a dynamically scaled connection to the webserver, where a button on the website would run one code, and another button runs another, etc.

**- Meeting Ended**

**Summary of Meeting (See below)**

**Individual Contributions (1-3 sentences)**

**Kenny -** Currently looking at different kinds of augers that could be used in the project. In a last effort, we can go about making one whether it be through woodworks or by 3d printing. We are looking at different motors that can potentially spin the auger and are looking to use a double motor set up if the auger becomes to heavy. Going to deliver parts to Michael and hopefully set things up.

**Khai -** worked on the html and CSS code to fit the needed specifications of the pi’s we have coded. Reworking the layout and to make it more polished overall as well as added more functionality.

**Kevin -** I’ll be finding the implementation of the auger and building it between this week and the next. A bit later than I would have liked but it’ll do. Outside of that I’ll be helping get all of the TPR files needed for electrical/ mechanical along with Kenny to turn in for the coming week Sunday. Will also be testing the auger and trying to push the load on the servo. This will help with the TPR report.

**Michael** - Comparing my flask webserver to Davin’s webserver. Working on getting the LED base template code to connect to Davin's database and webserver.

**Davin -** Work on getting the connectivity working between the webserver web client and the actual code used to run the parts for the feeder. Will also look into AJAX for more dynamic web coding.

**Team accomplishments for the week (1 to 2 paragraphs)-**

Managed to find a couple of sources as to where we can get the Auger and how it will be used. Started working on the TPR and will slowly go about adding to it until its finished. Looking to start putting together all the parts we have into a condensed testable unit.

**Issues -** The repository needs to be updated to include all the files that we have made for the upcoming TPR. The pi breaking last week was also a problem that put us behind on some of the things that we wanted to test, especially getting the webserver started to test connectivity. Kenny is going to give his pi to Michael so that we can get the webserver started. Getting an auger to start testing the dispensing mechanism also needs to be done, whether by finding an appropriate auger, or even trying to make one.