

EE/CprE/SE 491 WEEKLY REPORT 19

11/8/2022 - 11/14/2022

Group number: SDDEC22-01

Project title: Plastic Machine Embedded IOT Controller

Client & Advisor: Mark Hansen & Dr. Jones

Team Members/Role:

Stone Widder - Technical Lead

Joshua Baringer - Software Lead

Rachel Teberg – Team Lead / Recorder

Evan Pasero – Technical Support

Charles Sang - Controls Lead

○ **Weekly Summary**

We focused on trying to get the display ready for a potential demo this upcoming week.

We found out today that the PCB's are not expected to arrive until next week. Because of that we will not be able to have the demo done until thanksgiving week at the earliest.

○ **Past week accomplishments**

- Determined old display touch was not functional. - Josh
- Discovered problem with GUI running on BBB. Tkinter throws an error saying that there is no display. – Josh
- Tested a/c monitoring circuit. - Charles

○ **Pending issues** *(If applicable: Were there any unexpected complications?*

Please elaborate.)

- *PCB's are not expected until early next week*

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Stone Widder	Tested triggering the heating elements with the BBB and measuring the temperature	6	88
Rachel Teberg	Compiled auto tune code for testing, continued looking into graphing options	6	64
Joshua Baringer	Basic tests on new display, discovered tkinter error	6	75
Evan Pasero	Planning for final presentation	4	67
Charles Sang	Worked on and tested the a/c monitoring circuit.	6	58

○ **Plans for the upcoming week**

Joshua: Fix tkinter error, set up for the demo.

Stone: Help fix display issues and test tuning

Rachel: Help fix display issues and test tuning, Implement graphing, work on presentation

Charles: Intergrating the circuit into main PCB

Evan: Continue doing work for final presentations, prepare to solder and test 5V board very quickly.

○ **Summary of weekly advisor meeting**

We were not able to have an advisor meeting this week because our advisor was out of town for a conference.