

sdmay19-47: NSF Lab furnace control system

Week 5 Report

February 22th - March 3rd

Team MembersAdam Matthews — *Software/Hardware Engineer, Report Manager*Kevin Lang — *Electrical Engineer*Jeremy Hartl — *Hardware Engineer*Christopher Pohlen — *Software Engineer/Gitlab Moderator*Nick Brylski — *Systems Engineer***Advisor/Client**

Dr. Gary Tuttle

Summary of Progress this Report

The GUI now can update when a button is pressed, or in the future when we have it update automatically. PCB schematic was now finished and work was done on the layout and routing traces.

Pending Issues

The important thing now is to get the timer started so the status screen of the GUI can be updated automatically. PCB needs to be reviewed by advisor and others knowledgeable in PCB design.

We must figure out a practical method to set profiles with the GUI. It will require several entry boxes and we need to figure out ways to set them into a spreadsheet like manner

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Adam Matthews	<ul style="list-style-type: none"> No work 	0	13
Kevin Lang	<ul style="list-style-type: none"> PCB schematic 	3	15
Jeremy Hartl	<ul style="list-style-type: none"> GUI development <ul style="list-style-type: none"> Added furnace 4 tab and more detailed homepage to be able to better visualize different furnace read outs 	5	14
Christopher Pohlen	<ul style="list-style-type: none"> Fixed problem of updating label displays 	6	18

	dynamically		
Nick Brylski	<ul style="list-style-type: none">• PCB design	6	18

Gitlab Activity Summary

Nothing to report.
