

CS 4910 – Software System Development and Design II: Implementation and Testing Project Progress Report

Project Information:

Team Members:

Anthony Kirkland
Macallister Armstrong
Lorand Mezei
Jeremy Evans

Client:

Allin Kahrl, Department of Engineering Design, Manufacturing and Management Systems

Advisor:

Maccreery, Li Yang, or Dr Gupta (trying to get Maccreery)

Report Date:

02/05/2021

Team Activity Report:

What has your team done since your last report. Indicate team meetings with a brief description of what was discussed, and a breakdown of any other activities your team engaged in since your last report.

Our team has been further researching PID algorithm by watching multiple YouTube videos about the concept. The LED dimmer code has been completed. Team meeting with Professor Johnson on 2/12/2021. Team told Professor Johnson that we would preferably like Colin Maccreery, in addition to Dr Li Yang and Dr Gupta to be our staff advisor.

Client Interaction Report:

Karl has found a chip that handles the process of reading the thermocouple. We can therefore choose to use this chip, and not have to implement the previously discussed ADC/debounce problem. Last time we met with our client Karl was on February 5, 2021 in a video call. We have been since communicating in the Teams chat.

Milestone Review:

Briefly describe the phase of your project that you are currently working on. What is the planned date of completion for this part of your project? Are you ahead of schedule, on schedule, or behind schedule?

Our next milestone to be completed is to implement a debounce routine for the potentiometer. Because of Karl's new chip, we will have to research and learn the documentation associated with the chip and how it will interact with our MSP430.

Issues (or stories):

Current issue we are working on is displaying values using `cio_printf()`

Problems and Risks:

Team is having problems with implementing the use of `cio_printf()` with the MSP430.