# 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:**
TBD

**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.*

We finished the first phase of the project. We created a program that controls LED intensity with a potentiometer. We met once on February 5 to discuss our next steps and how to implement Phase 2. We are also working on documentation on PID and how to set up our working environments so that everything is replicable.

## Client Interaction Report:

We met with our client, Allin Kahrl, on February 5 to discuss what we have done so far (the initial phase of the project: control the intensity of an LED connected to the MSP430 with a potentiometer). We are expecting Allin to provide hardware for Phase 2 in about a week. Until then, we will test and code a debouncing routine for the potentiometer.

## 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?*

We have completed Phase 1 (which we set as a milestone) as of February 3. Our next milestone is to implement a debouncing routine for the potentiometer, which should be complete by February 13.

## Issues (or stories):

Our current issues consist of documenting the development environment and hardware used in this project, which may go into the final report (Macallister); documenting PID and its implementation in this project, which may also go into the final report (Jeremy); Phase 1 (all); The debouncing routine (all); And Phase 2 (all).

## Problems and Risks:

We have not encountered problems directly related to the project itself (yet), other than general unfamiliarity with the field (industrial control systems). We plan on addressing that issue by documenting PID and its implementation and completing more Phases of the project.