Team Name: sdmay21-43
Team Members: James Curtis, Caroline Easley, Marcelo Gomes Abrantes, Michael Kuehn, Ben Welte, Abbey Wilder, and Stepan Zelenin
Report Period: Oct 19-Nov 1

Summary of Progress in this Period

During this period, our team made progress selecting parts for our design implementation and finalizing a plan to begin unit testing sections of the design. Specifically, parts were identified for the linear oscillator, microcontroller, and ethernet hardware. Our team also began looking into reserving lab space in the TLA to begin writing and testing the software to send SNMP messages to the microcontroller via ethernet and to send messages to the linear oscillator using I2C. We are planning on ordering the Arduino, ethernet shield, and several copies of the oscillator in the near future, and we will use hardware provided by ETG as a temporary stopgap until we have the materials that we need.

Pending Issues

We need to order the parts that we need to begin testing and then wait for these parts to arrive. We are also waiting to hear back from ETG regarding the availability of lab space during Thanksgiving and Christmas break.

Plans for Upcoming Reporting Period

We plan to continue finalizing our implementation of the design by creating a parts list, and we will be visiting the TLA soon to assess the available lab space and communicate with ETG regarding what equipment we will need to begin testing our project implementation.