Team Name: sddec21-proj07
Team Members: Sterling Hulling, Taylor Weil, Parker Larsen, Sean Griffen
Report Period: March 29 – April 9

## Summary of Progress in this Period

- Software worked on implementing Zigbee firmware demos on the two developer boards provided by TI to show proofs of concepts for Zigbee communication.
- Hardware worked on the initial PCB design, finalizing debug buttons/LEDs and other I/O to be controlled by the cape's on-board microcontroller.

## Pending Issues

- For software, figuring out how to integrate a Zigbee tag board with the Beaglebone platform is proving itself to be somewhat challenging.
- For hardware, may have possible problems with soldering the ground bad for the cape microcontroller, but may be avoidable.

## Plans for Upcoming Reporting Period

- For software, communicating to a Zigbee tag/sensor bard with the Beaglebone over a protocol like I2C, or SPI.
- For software, working through more complex Zigbee demos and adapting them for our purposes.
- For software, star the work on requirements for our Zigbee library, and required components on the Beablebone platform.
- For hardware, finish the cape schematic and complete power connections.
- For hardware, start work on the PCB decals.