

Team Name: sddec21-proj07

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Report Period: March 15-26

### **Summary of Progress in this Period**

- Software worked on getting a couple demos ready, showing the functionality of the beagle bone such as: how to connect to web services like a spring web server, and an AWS MQTT broker.
  - Hardware worked on getting familiar with KiCAD and starting some PDB concepts/early designing of the first prototype boards.
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### **Pending Issues**

- For software, documentation for programming our zigbee demo boards it's very straight forward .
  - For hardware, getting used to how KiCAD works has been a hassle, and also integrating it with git has been challenging.
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### **Plans for Upcoming Reporting Period**

- For software, creating zigbee demos with our demo boards to show that functionality.
  - For software, demo connecting beaglebone with more cloud services like Azure and Google Cloud
  - For software, begin making requirements for a beaglebone library for zigbee, and other functionality we need for our project.
  - For hardware, continue experimenting with KiCAD
  - For hardware, create a block diagram of the PCB design, and start gathering parts necessary.
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