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Summary

The midterm presentation and paper submission was completed.
To see how long it takes to actually send few seconds of audio sensor data, the team wrote code and implemented it on the ESP32. As a result, it took almost 48 minutes to send 3 seconds of sensor data. Total 397 packets were sent, and each packet took 7 to 8 seconds to send. Throughput was 2000bps.

What Coyote Team completed this week:

- Modified mid-term presentation script and ppt
- Changed about presentation part
- Had a rehearsal and practiced mid-term presentation and Q&A
- Made a list about expected questions for Q&A parts
- Did an experiment of sending 3 seconds of sensor data to estimate the latency of LoRaWAN
- Collect the data with MQTT(paho) and put them into an one array

Things to do by next week

- Optimize the latency of sending data packets to the server
- Work on localization algorithm
- Research on the LoRaWAN alternatives
- Research on the ESP32 alternatives

Problems or challenges:

- Find a way to reduce latency when sending data from three sensors
- How to compress the sensor data

References

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