SEVENTH MEETING MINUTES

Date: 2/5/2025
Time: 14:00 PM
Facilitator: Robert

IN ATTENDANCE

Brian Ma,Yuk Lam

AGENDA

1. Review progress on multi-beacon communication

2. Update on data packet analysis progress

3. Planning for field experiment and test setup

4. Expectations for next week's goals

DISCUSSION AND DECISIONS

1.Progress Acknowledgment

Rob praised Brian for successfully extracting distance data from the beacon data packets.

2.Next Week Goal: Multi-Beacon Communication

Rob hopes that the multi-beacon communication function can be completed by next week.

All team members are encouraged to work collaboratively to finalize this component.

3.Field Experiment Planning

Rob suggested designing an experiment:

Place slave beacons in a lake.

The master beacon will be mounted on a moving boat.

Optionally, SLAM (Simultaneous Localization and Mapping) techniques may be explored if time permits.

4.Test Plan Requirement

The team is expected to draft a comprehensive test plan for the upcoming experiment, detailing setup, procedures, expected outcomes, and contingencies.

SUMMARY AND CONCLUSIONS

- The team is on track with data packet processing and beacon logic development.
- A concrete push is expected to finish multi-beacon communication by next week.
- Initial ideas for a real-world field experiment were proposed.
- A detailed testing plan is required before execution of the lake experiment.

NEST MEETING

· Next supervisor meeting to be scheduled in Week 10.

· Progress on multi-beacon implementation and test plan will be reviewed.