

RALAZABA Electronics

Weekly Report

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Done

- We tested the accuracy of the distance sensors that we purchased and check the consistency of the sensor under various illumination.
- We tried to drive multiple sensors more than two. We achieved to drive two sensors instantaneously.
- We tested the two-mouse structure to find the heading and location. We failed in algorithm. We conclude our work with the result that we need to re-design our algorithm.

To Do

- We will re-design our self-localization algorithm and will test it.
- We will purchase mechanical chase casing and built it.
- We will focus our research on Critical Design Review Report.

Sensor tests

The experiment is made to test the effect of illumination. In the test environment, the illumination is made by 50-lux fluorescent lamp placed right above the sensor and the object. As a result, the measurements are consistent with the given datasheet and the sensors work flawlessly.



