**RALAZABA Electronics**

**Weekly Report**

**Team Members:** Ali AYDIN, Anıl AYDIN, Enes AYAZ, Nail TOSUN, Selman DİNÇ

**Advisor:** Lale ALATAN

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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. |
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**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.





