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# Laboratory Notebook

## Mobile Cart

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## Monday, November 23, 2020

### 1 Initial Setup

Today I met with Dr. Miah to discuss the project. We plan to have a mobile robot, a moving remote, and some fixed RF sensors. The idea is to use the EKF-SLAM algorithm to determine the location of the fixed RF sensors as well as the location of the remote. The robot should then use machine learning techniques to determine the linear and angular velocities needed to follow the remote.

I set up a GitHub repository to contain the project materials using the senior project repo as a template. I then invited Dr. Miah as a collaborator in the repo.