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Lab 7 Writeup

Critical Path on WBS

There are two critical components of the WBS: one on the software side and one on the hardware side. On the software side, a critical milestone would be once a proper trajectory mapping algorithm is completed in terms of calculating where a basketball will land. On the hardware side, completing the chassis and having motors mounted and ready to be integrated with a microcontroller like the KL25Z will be a critical step.

Time Allocations:

Design: 2 weeks
Development: 4 weeks
Debugging: 2 weeks
Other Tasks: 3 weeks

Schedule Design and Flexibility

We've set aside a lot more time for development to ensure that we have plenty of time for researching and finding the right tools and approaching the problem from the right context. We've set aside two weeks for debugging, and also set aside more than enough time for "Other Tasks" in case something goes wrong. In the case we have an early completion we'll spend more time running analysis to measure how successful our project is at accomplishing our engineering goal.

Mentor Scheduling

We've planned to go ahead and meet at our regular lab section time of Wedenseday 2-5PM.

Git Repo URL:

https://github.com/mkim-hj/autonomous_basketball_catcher