Lab 7

Spencer Schack

15 October 2014

6.1 Project Management

1. The Work Breakdown Schedule (WBS) contains two critical paths, one for hardware and one for software. The software side basically comes down to accurately tracking and predicting the ball movements and generating a path to drive the robot close to where the ball will be before it lands. The hardware side comes down to assembling the chassis with the motors and getting it working with a microcontroller.

2. Time allotments

   (a) Design: 2 weeks
   (b) Development: 4 weeks
   (c) Debugging: 2 weeks
   (d) Other: 3 weeks

3. We have left 2 weeks for debugging which should allow us enough time to iron out most of the bugs. If we still have not finished by the end of our debug phase, we will still have 3 weeks of miscellaneous time to use to finish up anything else.

4. We will meet with our mentor during our normal lab time from 2-5 on Wednesdays.

5. Git Repo URL: `https://github.com/mkimhj/autonomous_basketball_catcher`