Date: June 7, 2006

Student Name: Jeremy Greene

TAs: Adam Barnet William Otto Goethals Instructors: A. A Arroyo

E. M. Schwartz

University of Florida Department of Electrical and Computer Engineering EEL 5666 Intelligent Machines Design Laboratory

Weekly Report 3 (June 7, 2006)

I have received my CMUcam, programer, two servos, and Maverick IIB board. I have been able to successfully program my board my programmer and the test program provided by BDmicro. I have also tested the CMUcam. It seems to work well for tracking a ball. My only problem so far is that it needs to be about 3 feet away from my platform in order to view the 20" diameter. This was much higher than I expected. I also noticed that some shadows interfered with the tracking of the ball. This was when I was testing it in a low light environment. I plan on painting the platform black for a higher contrast between it and the ball. I might be able to get away without illuminating the platform with LEDs, but I will if it needs to be done.

I am currently waiting on the female header pins to be delivered to the IMDL lab so that I can connect some of my parts together. I might go ahead and order my own just in case.

One thing that I think might need to be brought to someone's attention is that autocad has been removed from all the computers in the lab. My concern is that nobody seems to know how to use produce the correct files in Proe to cut out wood on the T-Tec. Also, Protel was installed on the computers in the lab, but the licensing isn't set up correctly. Therefore I was unable use it.