Team: House Rules

Date: Monday, February 14, 2011

Place: SR Learning Center

Leader: Paul Scanlon

Minutes: Tom Enzweiler

**Week 4 Meeting Agenda**

* Mechanical System – 10 minutes
	+ Done:
		- Met with Professor Stanisic about parts solutions
		- Used CAD machine to cut HDPE blocks for pulley assembly
		- Received all pulleys/belts/bolts and only waiting on aluminum track to arrive
	+ To do:
		- Need to order rollers for x-axis
		- Start construction of XY table – discuss timeline
		- Decide whether to move forward with a smooth or threaded shaft
* Software – 5 minutes
	+ Progress update
* Magnetic System – 5 minutes
	+ Done:
		- Talked to Professor Seabaugh and can acquire NdFeB magnets for testing
		- Acquired a servo motor for engaging/disengaging magnetic latching
	+ To do:
		- Figure out if servo motor can interface with computer through Arduino or if Motor Bee must be used instead
		- Work on acquiring metal sheet to test NdFeB magnet’s ability to latch to metal sheet in all cups
* Plan for upcoming week – 5 minutes
	+ Construct as much of the XY table as is possible
	+ Continue progress on magnetic latching and software subsystems
* Questions/Comments – 5 minutes