Senior Design Group May15-03 Weekly Report

Week 7 11/17/14-12/1/14

Advisor: Leland Harker   **Client:** Hitachi Global Storage Technologies

Name	Major	E-mail(@iastate.edu)	Role
Jacob (JD) Mayer	EE	jdmayer	Team Leader
Matt Eckes	EE	mweckes	Communicator
Jacob Schulz	EE	jschulz	Key Concept Holder
Trevor Boone	SE	tdboone	Web master/ Key Concept Holder
Shawn LaGrotta	Cpr E	lagrotta	Webmaster

Past week accomplishments

Task description	Person	Completion date
Weekly Report Meeting	ALL	11/17
Client Meeting • Schedule Mock presentation with client and HGST management	ALL	11/19

Matt
• Test procedure for Hardware
  o Accuracy of movement
  o Time between test points
• Create slides for presentation
• Updated Gantt Charts
• File Parsing
	Matt	11/17-12/1

Jacob • File Parsing	Jacob	11/17-12/1
Shawn • Create Slides for Presentation • Presentation preparation • Testing software	Shawn	11/17-12/1
Trevor • Create slides for presentation • GUI development	Trevor	11/17-12/1
JD • Finalized Jig/Probe holder design • Updated engineering drawings • Sketches on Design Doc/Project Plan • Instruction manual	JD	11/17-12/1

o Calibration o Remote operation o HDD placement		

Plan for next week

Task description	Person	Goal date
Put together Presentation	ALL	12/5
Update Gantt Charts/Project Milestones	ALL	12/5
Finalize Design Document/Project Plan	ALL	12/5
Update Website	Shawn	12/5

Future issues

Task description	Person	Goal date

Individual hourly contributions

Name	Weekly	Cumulative
Jacob (JD) Mayer	10	80
Matt Eckes	10	61
Jacob Schulz	4	41
Trevor Boone	7	58
Shawn LaGrotta	8	92

Summary

This weekly report consist of the week before and during Thanksgiving break. The week before break Jacob and Matt worked on parsing gerber files provided by Mr. Harker using the python language. They were able to pull coordinates from these files and save them into arrays for further interpretation. Before break, to prepare for the presentation, each member was assigned a section of the presentation to prepare. This included creating slides and being prepared to discuss those sections during the presentation. In addition to presentation preparation, some additional editing and updating needed to be done to the design document and project plan. JD updated the rendered images of the robot. Matt included an updated Gantt chart and testing procedure for the hardware.

The plan for this week is to prepare for the final presentation. Additional updates need to be made to the design document and project plan.