

Senior Design Group May15-03 Weekly Report

Week 7 10/13/14-10/19/14

Advisor: Leland Harker	Client: Hitachi Global Storage Technologies
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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	10/13
Client Meeting	ALL	10/15
Advisor Meeting	ALL	10/17
Website Development <ul style="list-style-type: none"> Published website Added in weekly reports Wrote mission statement 	Shawn	10/14-10/16
Researched 3D printer models <ul style="list-style-type: none"> Price, resolution, power requirements, aesthetic 	Matt	10/14
Jig Modeling <ul style="list-style-type: none"> Modeled spring pins to hold HDD on exposed edges 	JD	10/9
Pricing/features of Raspberry Pi <ul style="list-style-type: none"> Pricing Features (LCD screen) 	Jacob	10/14
GUI <ul style="list-style-type: none"> Click events 	Trevor	10/14
Reviewed Gerber/drill files provided by advisor (Harker)	ALL	10/17
RepRap software modification <ul style="list-style-type: none"> How to modify software in order for our to work for our purpose 	Shawn	10/16
G-Code research	Shawn	10/17

Plan for next week

Task description	Person	Goal date
Write Design Document	ALL	10/24
3D printer purchase <ul style="list-style-type: none">Select printer and showcase to client and advisor	ALL	10/22, 10/24
Plan how to parse Gerber/Drill files <ul style="list-style-type: none">Review formatting of files in order to select the coordinates of the test pins	ALL	10/24
Order HDD jig parts <ul style="list-style-type: none">Pins to hold HDD	ALL	10/22

Future issues

Task description	Person	Goal date
Calibrating the robot remotely	ALL	-Thanksgiving

Individual hourly contributions

Name	Weekly	Cumulative
Jacob (JD) Mayer	8	39
Matt Eckes	5	24
Jacob Schulz	4	20
Trevor Boone	5	27
Shawn LaGrotta	15	47

Summary

This past week we modified the HDD jig so that 2 sides are exposed. We wanted to make sure that other dimensions of HDD would be allowed to fit into jig. To hold the other two sides, we planned to mount spring pins.

The major project for this week is to finish the design document. We plan on meeting during class time on Tuesday to write it up together, then delegate sections to be completed individually. The document will be finished by Thursday in order for it to be reviewed before the due date.