Senior Design Group May15-03 Weekly Report

Week 4 9/22/14-9/28/14

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
Put together weekly report	ALL	9/22
Started Project plan assignment	ALL	9/24
Worked on Project Plan • Assigned sections for individual group members to write	ALL	9/26
Mathematical translation • If the HDD base rotates, the x and y coordinated need a translation • Using the translation formula, the coordinates of the pins can be known	Matt	9/25
Modeling • Autodesk Inventor • HDD/Jig/Probes	JD	9/27-9/28
Expanded on system block diagram • Modes of communication • Parts numbers of components	JD	9/27/-9/28
Started interface code • Python Backend	Trevor	9/27-9/28

Plan for next week

Task description	Person	Goal date
Set-up lunch with client	JD	9/29
Finish Project Plan	ALL	10/1
Get pricing/features of Raspberry Pi	Jacob, Trevor	10/3
Website development • Populate with up to date content	Shawn	10/3
Research G-code	Shawn	10/3
Research Gerber/drill files	Trevor	10/3
Research probe holder	Matt	10/3
Write-up pseudo code for probe assignment • MATLAB • Test translation	Matt	10/3
Continue Modeling	JD	10/3
Motor shield specifications	JD	10/3
Purchasing information • LED indicators • LCD screen • 3D printer	Jacob	10/3

Future issues

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

Individual hourly contributions

Name	Weekly	Cumulative
Jacob (JD) Mayer	5	16
Matt Eckes	5	13
Jacob Schulz	4	12
Trevor Boone	6	15
Shawn LaGrotta	5	23