

MEETING MINUTES

Topic: Coupling methods, Housing design, Manufacturing, Budget, and Solenoids.

**Wednesday, February 1, 2017
11:00 am – 2:30 pm**

Minutes recorded by: Dustin Young

Meeting called by: Capstone Team

Attendees: Lance G., Cameron S., Bianka C., Geordie M., Garrett M. , Dustin Y.

Project and Group Number: Honeywell Ruby Ball and Sapphire Seat / Team 30.

Please bring: Laptops or electronic access to internet.

Advisor/Section Time: David Trevas / Wednesday 5:30 – 8:00 pm

Table 1. Record of meeting.

<p>11:00 to 1:00 pm</p>	<p>Client and Sponsor meetings, questions, comments, an concerns moving forward</p> <ul style="list-style-type: none"> • Honeywell shows great interest in moving forward with the PCD test, results will be valuable to the company for years to come, price no longer matters, but will determine application and use. • Honeywell’s greatest concern is the chamfer that was on original design and sealing at low forces, US Synthetic and team are going to rework designs to better address this situation. • US Synthetic is optimistic about the project outlook but budget and initial investment has them worried. • Expanding into an area of manufacturing that has never been explored, and although they are excited, they need to ensure that the investment of the parts are worth moving forward with the team. • Team is willing to try to compensate and even ask for a budget increase to help US Synthetic with these parts, but the unknown of how many parts will be scrapped to get a perfect one is “scary”. • US Synthetic has requested a meeting with the Honeywell to sure up that the investment is worth it. 	<p>Conference Room 102</p>
<p>1:00 to End</p>	<p>Purchase requests and individual work</p> <ul style="list-style-type: none"> • Pressure transducer (taken care of by Geordie), this might be scrapped in order to pursue the bubble method • Arduino by Garret and Solenoid, trying to figure out the budget so that we can move forward with purchasing a solenoid that fits our mold (the most recent ideas are 	<p>Capstone Room 107</p>

	<p>more expensive that what the team originally had thought)</p> <ul style="list-style-type: none"> • Lance is looking into a power supply so that the Arduino can run overnight and throughout testing. • Dustin is researching other manufacturers if US Synthetic fails to be able to produce the housing for the solenoid. • Cameron is making solid works files and relaying between US Synthetic to ensure a stable final design. • Bianka is researching more on measuring the stroke of the poppet to finalize that part of the design. 	
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Table 2. Tasks Assigned.

Task	Person Assigned	Due Date	Date Complete
Bring laptop/internet access tool. Also research individual parts and bring questions to client/sponsor meetings.	Dustin Y.	2/8/17	~~~
Bring laptop/internet access tool. Also research individual parts and bring questions to client/sponsor meetings.	Bianka C.	2/8/17	~~~
Bring laptop/internet access tool. Also research individual parts and bring questions to client/sponsor meetings.	Lance G.	2/8/17	~~~
Bring laptop/internet access tool. Also research individual parts and bring questions to client/sponsor meetings.	Geordie M.	2/8/17	~~~
Bring laptop/internet access tool. Also research individual parts and bring questions to client/sponsor meetings.	Cameron S.	2/8/17	~~~
Bring laptop/internet access tool. Also research individual parts and bring questions to client/sponsor meetings.	Garrett M.	2/8/17	~~~

Next formal meeting: 2/8/17, Room 107 Engineering Building, at 11:00 AM Honeywell and US Synthetic will be present to talk about moving forward with manufacturing and design.