

# MEETING MINUTES

## Topic: Finalized manufacturing and presentation for HR1

Sunday, October 28, 2018

12:00 pm to end

Minutes recorded by Jacob Barker

Meeting called by Jacob Barker

Attendees: Jacob Barker, Samm Metcalfe, Ashley Shumaker

Table 1. Record of meeting.

<p><b>12:00 pm to 12:30 pm</b></p>	<p><b>Shopping at Home Depot</b></p> <ul style="list-style-type: none"> <li>● Purchased remaining necessary supplies             <ul style="list-style-type: none"> <li>○ Pipe and fittings for heat exchanger</li> <li>○ Double sided tape</li> <li>○ Missing brass fitting for pressure measurement</li> <li>○ Super glue</li> <li>○ Washers to space blade sections</li> </ul> </li> </ul>	<p>Home Depot</p>
<p><b>12:45 pm to 3:00 pm</b></p>	<p><b>Finished remaining manufacturing</b></p> <ul style="list-style-type: none"> <li>● Mounted tube stand on cart with double sided tape</li> <li>● Drilled holes in tube for thermocouples and tapped holes for pressure transducers             <ul style="list-style-type: none"> <li>○ Used hot glue to affix thermocouples on either side of combustion chamber and open ends of tubing</li> <li>○ Grouped thermocouple wires together and secured with zip ties</li> </ul> </li> <li>● Plumbed pressure measurement manifold             <ul style="list-style-type: none"> <li>○ Mounted valves on cart using hot glue</li> </ul> </li> <li>● Mounted both DAQs to cart using double sided tape</li> <li>● Assembled heat exchanger piping, connected to air compressor             <ul style="list-style-type: none"> <li>○ Hung heat exchanger on cart using tie wire</li> </ul> </li> <li>● ***note: most of this is temporary. Will be mounted more neatly and permanently before final deliverable</li> <li>● Tested system             <ul style="list-style-type: none"> <li>○ Everything works, but needs some adjustment</li> <li>○ Main issue is leaks from heat exchanger section</li> <li>○ Also want to try to achieve more heat transfer-try insulating later</li> </ul> </li> </ul>	<p>Samm's Apartment</p>
<p><b>3:00 pm to end</b></p>	<p><b>Finish presentation</b></p> <ul style="list-style-type: none"> <li>● Add remaining sections of presentation             <ul style="list-style-type: none"> <li>○ Labelled figure of entire drawing</li> <li>○ Updated BOM</li> <li>○ Redesign parameters</li> </ul> </li> </ul>	<p>Samm's Apartment</p>

	<ul style="list-style-type: none"><li>• Assigned slides and speaking roles, ran through presentation</li><li>• Meet again before class tomorrow for presentation refresher</li><li>• Jacob will take system to class</li></ul>	
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