

# MEETING MINUTES

## Topic: Discussion of Remaining Tasks/Shopping

Friday, September 28, 2018

1:30 pm – 2:00pm pm

Minutes recorded by \_\_\_Jacob Barker\_\_\_

Meeting called by \_\_\_Jacob Barker\_\_\_

Attendees: \_Jacob Barker, Samm Metcalfe, Ashley Shumaker\_\_\_

Table 1. Record of meeting.

<p><b>11:30 am to 12:00 pm</b></p>	<p><b>Discussion of Project Progress</b></p> <ul style="list-style-type: none"> <li>• 3D printed fitment test designed             <ul style="list-style-type: none"> <li>○ Will start printing this afternoon</li> <li>○ Tests blade fitment in tube and shaft/bearing fitment</li> </ul> </li> </ul> <p>Questions</p> <ul style="list-style-type: none"> <li>• How to get air into combustion chamber from compressor/heater             <ul style="list-style-type: none"> <li>○ Samm will finalize this during analytical report</li> </ul> </li> <li>• How to tap ports for pressure transducers and thermocouples             <ul style="list-style-type: none"> <li>○ Pipe taps and valves</li> <li>○ Each pressure transducer will measure pressure at two locations, switch between the two with a valve</li> </ul> </li> </ul> <p>List of remaining parts</p> <ul style="list-style-type: none"> <li>• Shaft             <ul style="list-style-type: none"> <li>○ Samm will try to turn shaft this weekend ag Grandpa’s shop. If it does not fit properly, we will look at purchasing different size</li> </ul> </li> <li>• Valve/tube assembly for pressure transducer system             <ul style="list-style-type: none"> <li>○ Small ball valves (x2)</li> <li>○ T-joints, pipe taps</li> </ul> </li> <li>• Mount for assembly             <ul style="list-style-type: none"> <li>○ Hold tube and screw into cart</li> <li>○ Mount heater and switches, hide wiring safely</li> </ul> </li> <li>• Heating system             <ul style="list-style-type: none"> <li>○ Will try to reuse band heater from previous team. Need to purchase heat exchanger section</li> </ul> </li> </ul>	<p>Jacob’s Apartment</p>
<p><b>12:00 pm to 12:30 pm</b></p>	<p><b>Team went to Home Depot</b></p> <ul style="list-style-type: none"> <li>• Looked for parts for pressure measurement pipe/valve system</li> <li>• Purchased valves, t joint, pipe taps, and tubing to test 1/2 of the proposed system</li> </ul>	<p>Home Depot</p>

	<ul style="list-style-type: none"><li>○ If it works, we will purchase remaining half. If it doesn't, we will redesign and return parts if necessary</li></ul>	
--	---	--