

MEETING MINUTES

Topic: Hardware Review Deliverable Discussion

Thursday, November 1, 2018

4:00 pm to 4:30 pm

Minutes recorded by __Jacob Barker__

Meeting called by __Jacob Barker__

Attendees: __Jacob Barker, Samm Metcalfe, Ashley Shumaker__

Table 1. Record of meeting.

4:00 pm to end	Discussion of Hardware Review Assignment <ul style="list-style-type: none">● <u>Completed work breakdown</u>● Samm:<ul style="list-style-type: none">○ Individual Analysis<ul style="list-style-type: none">▪ Performed heat transfer analysis for heat exchanger section and created associated MATLAB code○ Finalized blade design and submitted for printing○ Sectioned combustion chamber for 3D printing○ Supervised manufacturing● Ashley:<ul style="list-style-type: none">○ Individual Analysis<ul style="list-style-type: none">▪ Analyzed moment of inertia and torque for different shaft sized○ Updated website○ Wired thermocouples● Jacob:<ul style="list-style-type: none">○ Individual Analysis<ul style="list-style-type: none">▪ Performed blade deflection and stress analysis and created a MATLAB code to automate future calculations based on design changes○ Disassembled, painted, and reassembled cart○ Purchased remaining pressure manifold components○ Responsible for final revisions/editing/submission of Midpoint Report● <u>Remaining Work Breakdown</u>● Samm:<ul style="list-style-type: none">○ Leader for final drilling/hard mounting of components○ Source a new air tank○ Reprint blades and combustion chamber at RapidLab● Ashley:	EGR 2 nd Floor Stairs
-----------------------	--	-------------------------------------

	<ul style="list-style-type: none">○ Finalize Pressure Measurement LabVIEW program○ Lead on first draft of poster○ Keep updating website● Jacob:<ul style="list-style-type: none">○ Finalize temperature measurement LabVIEW program○ Lead on Assembly/Operations manual	
--	---	--