

MEETING MINUTES

Topic: Staff Meeting and Design Discussion

Thursday, February 22, 2018

9:35 am – 10:00 am

Minutes recorded by Jacob Barker

Attendees: Jacob Barker, Samm Metcalfe, Ashley Shumaker (+David Willy, Amy Swartz)

Table 1. Record of meeting.

9:35 am to 9:50 am	Staff Meeting <ul style="list-style-type: none">• Meeting with Professor Willy and Amy• Discussed Current Progress<ul style="list-style-type: none">○ Turbine/Compressor design options• Research blade design analysis tools<ul style="list-style-type: none">○ Blade Element Momentum Theory for Jet Engines• Analytical Reports<ul style="list-style-type: none">○ Blade profiles○ Reynold's #'s for presentation and report	Room 120
9:50 am to end	Quick Team Discussion <ul style="list-style-type: none">• Design Options<ul style="list-style-type: none">○ Turbine compressor<ul style="list-style-type: none">▪ Stator vs. statorless▪ Constant hub radius vs. constant tip radius▪ # of stages/shafts▪ Nozzles and diffusers○ Combustion Chamber<ul style="list-style-type: none">▪ Compressed air▪ Preheat vs. in-chamber heat vs no heat○ Types of plastic for 3D printing• Everyone continue research tonight<ul style="list-style-type: none">○ Meet again tomorrow at noon for concept generation/evaluation	Room 120