

MEETING MINUTES

Topic: Initial Manufacturing

Wednesday, October 24, 2018

9:30 am to 12:00 pm

Minutes recorded by Jacob Barker

Meeting called by Jacob Barker

Attendees: Jacob Barker, Samm Metcalfe, Ashley Shumaker

Please bring: 3D printed parts

Table 1. Record of meeting.

9:30 am to 11:55 am	Initial Manufacturing <ul style="list-style-type: none">• First iteration of blades have been printed<ul style="list-style-type: none">○ Test in tube; blades slightly too large○ Sanded all blade sections until they fit○ Experimented with fitment options<ul style="list-style-type: none">▪ Found putting blades in freezer allowed them to fit easier, secured tightly once they warmed back up<ul style="list-style-type: none">• Made removal difficult○ Cut tube and shaft to correct length (~9 inches)• Issues with printing<ul style="list-style-type: none">○ First section of turbine blades printed very poorly<ul style="list-style-type: none">▪ Redesign CAD model to increase blade thickness, and print at higher resolution○ Accidentally printed two of the same compressor stator sections, need to print turbine stator	Jacob's Apartment
11:55 am to end	Plan for next meeting <ul style="list-style-type: none">• Meet again at Samm's apartment tomorrow after new blades have been printed<ul style="list-style-type: none">○ Continue blade fitment○ Work on pipe taps in acrylic tube	Jacob's Apartment