### **Presentation Logistics**

Day of:

1. Presentation that is public
2. Zoom room reserved only the team and the judges

Attire:

* Business Casual (but like……not really)

Questions from audiences:

* Questions from audiences can be clarified before the presentation in which the team tells the audience how to ask questions
  + Tell the audience to hold until the end or say nothing and let it play out, up to the team

Dr. Mitchell holds the fate of our grade in his hand - we’ll just bribe him with 3d printers

Times

Brendan - 6 minutes

Aidan - 8.5 minutes

Rohith - 4 minutes

Nathan - 2.5 minutes

### **Presentation Notes:**

* The damage is representative
* Verbally define what infill pattern and percentage are
* May want to better defined what “compression” and “tension” testing means (since a 3 point bend test *always* has compression and tension)
* Wasn’t a different extruder temperature used for ABS?
* Imo, took too long on the first printing methodology slide -- brendan
  + Although if we’re under 25 total time its fine -- b
* Why is the stopwatch bullet point on a slide, I feel like its implied
* Talked a lot about the box insulating the printer but this was not even done on all printers
* Maybe a little more explanation why we built our own test setup instead of using equipment on campus
  + “The virus” and the labs not being available
* Slide 16 figure needs to be centered
  + I like it in the corner
  + It looks awkard, it’s not consistent with how the other figures are (ex. Slide 14)
* Should we have a slide that says something about us generating our own toolpaths? Scanning in future work assumes we address that in the pres
  + That would go into methodology right? Yuh
* PLA vs ABS: comparing trends more important than comparing actual strength between them
* Fig.16 is cut off on the right side of the slide

### **Feedback**

Lovell Notes:

* Our slides are good?
  + Plenty of pictures/diagrams
* Include robotic arm/more ways to repair in future work
* Preview modes of failure in earlier slides
* Include material science explanation between PLA and ABS along with the experimental results
* Adhesion 40% vs 60% on slide 18 -- clearer explanation?
* Include “Any Questions?” slide
  + GIANT QUESTION MARK

Lovell Questions:

* Why not just jam material into the space instead of printing into it?
  + Injection is a different type of repair/printing

Dr.Mitchell Notes:

* ~~Rover is applicable rn because it is in a gravity environment, but satellite is not so it’s hard to apply~~
* ~~Controlled damage (slide 3)~~
  + ~~Damage is random, the idea was repeatability for comparison. Emphasize this~~
* Slide 14 figure
  + Overlay fancy, just be able to explain and defend it
* Slide 16 good figure, drive home point more