

Staff Meeting  
February 8th, 2018

**Executive Summary:** The main topic of this meeting is what occurred on February 2nd, 2018 with Jeff. The main discussion was about what the function of an encoder and how it can be used with our project. The main purpose of an accelerometer was also discussed.

6:30 PM Meeting with Jeff

- Discussed deflection analysis and the decision to switch arm material to steel.
- Encoder vs. Accelerometer: The main differences are what each is primarily used for and what errors/uncertainties come from each. Ex. more error in using accelerometer because position is not its immediate function.
- Wiring issues with motor were brought up. Jeff will include Mike the electrician in the next meeting and he will explain wiring concepts to us.

6:45 PM Accelerometer vs. Encoder

- Dr. Trevas and the team discussed the main differences between accelerometers and encoders.
- Explained the function of an encoder.

#### Action Items

All team members will be working on their individual analysis topics. The topics are as follows:

Danny: Deflection analysis  
Mitchell: Arduino code progression  
Jacob: Wire tension guidelines  
Zack: Rationale for accelerometer selection

Along with the individual analysis topic, Danny will be continuing to work of the build manual.