

## Meeting Minutes 10-23-2020

Grace volunteered to be the Wikimaster for the rat edition and Mohammed volunteered for the human edition.

Arduino nanos need to be purchased

We considered that the Arduino for the rat might only need 4 channels, but having 8 and being cheap should be fine.

Rat brain waves range from 0.5-200Hz. We discussed that we may need to change the amplifier for the input signal. The Bluetooth module takes 2 channels.

The Bluetooth module takes digital channels, but the electrode channels take analog, so this ends up being fine.

We need to handoff the PCB design to the PCB master on campus, he said it takes ~1day for him to make them.

Jake said he would do the value proposition.

The slides for the CDR are due ~3days before the presentation. We also need to inform matt of the day of the CDR (10<sup>th</sup> of November).

Kate said she would take the hydrogel slide, Shubhangi said she would take the electrode placement slide. Grace said she would take the solidworks model. Max said he would do the machine learning, Jake volunteered to do the value proposition, objective and background.

Dimensions for the PCB board were sent to Grace so she could work on the solidworks model, as were the rat headset dimensions.

We decided that we would meet on Thursday for testing during our normal weekly meeting.

The raw data permission still needs to be granted for the emotive headset.

Jake said he would attempt to find the Arduino code from last year.