Attendance:

Rad

Eric

David

Carim

Shalih (very late)

Meeting with Evan:

* Use labview for monitoring the circuit over the duration of the montage
* Measure using oscilloscope
  + Frequency measurement
  + Shock resistor
* Ramp range from 217 to 223
  + Six steps in the ramp
  + 1 mA / 30 sec
  + Higher jumps cause stronger shocking feeling
* Update spec to 1 - 2 mA
  + Literature says our montage is from 1 - 2 mA

<https://www.researchgate.net/publication/327370222_Transcranial_Direct_Current_Stimulation_in_Psychiatric_Disorders_A_Comprehensive_Review?fbclid=IwAR3cfm3tquuukuuHiS02yv1Z6ERZLmobNQ3i8BAYsvt5xMJ7qHLZd5D4S2o>

* Midterm
  + Include in the report a timeline from today to BME day
    - Poster draft due date is when experiment should be done by
  + Need to include actual protocol
    - More steps the better
    - In appendix slide
  + Validation test
    - Samples
    - Could be based off literature
    - Look into SUS testing for statistical power
  + Explicitly spell out measurand
    - Explain if it doesn’t relate to spec
  + Progress Update
    - Label reference in pictures
      * Arrows in powerpoint slide
      * Include pictures of circuit progression
    - Could reuse videos
    - Engineering drawings
    - Small section on what we are currently working on
  + Iteration
    - Problem with hat electrode
      * Include strap
    - Indirectly state that we had enough time to order more parts
      * Placing second order
      * Iterate on a tight schedule

Tasks:

Eric - Work on programming the microcontroller

David - Make the protocol for hat testing and find out how many samples we need

Carim - Finish strap of hat

Shalih - Test safety mechanism

Rad - Integrate analog circuit with microcontroller