

10/30/2018 Agenda

- Concept Design Review
 - Nov. 6th
 - Slides - see powerpoint in Drive
 - Introduction - AJ
 - What is an EEG - AJ
 - Value Proposition -AJ
 - Project Goals 1- Gao
 - Product Requirements
 - Electrodes - Gao
 - Amplifiers - Corey
 - Microcontroller - Corey
 - GUI - Corey
 - Headset - Ostin
 - Progress - Ostin
 - Schedule - Gao
 - Plans - Ostin
 - Should be done by Thursday so that we can get feedback from Feng and Dr. Kumar
 - Need a slide number on each slide
 - Figures, tables, etc required - not all text
 - Figure out how to best show schedule
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- Wikipedia Page
 - Team Member Section: Send me this info
 - Photo
 - Hometown
 - Responsibility
- ADC Research
 - ADC Design guide from microchip.
- Research/References:
 - Dr. Brynn Martin - Lectures on EEG posted in Drive
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- Chapter 3 Presentation? - Ostin
 - Causes of epilepsy and models to visualize how brains work
 - Mass models
 - See power point presentation in Drive
 - Neural Mass models (NMM)
- <http://openeeg.sourceforge.net/doc/>
 - Protection Circuit
 - One diff amp to cut out current

- High pass filter to filter out DC
- 3rd Order 59 Hz low pass filter with gain of 16