

Agenda 6Feb2019

Meeting Ran by: Mark

Minutes Taken by: Rebecca

- ☐ Updates on tasks
 - ☐ Website (Rebecca and Tansy)
 - ☐ Done
 - ☐ RSL10 Communication:
 - ☐ Blinky, Peripheral Server Uart running
 - ☐ J-link debugger now works
 - ☐ Python Program for end result made
 - ☐ Need to work on connecting to nRF App and sending information over bluetooth
 - ☐ Making base program off of Uart
 - ☐ LEDs
 - ☐ Acquired Tech LED order sheet for 970nm LEDs
 - ☐ Order sheet for through hole LEDs of other wavelengths sent to Prof Schafer
 - ☐ MATLAB Program (Rebecca)
 - ☐ Skeleton of post processing
 - ☐ Can send text and emails to end user updating on status
 - ☐ Future direction → GUI
 - ☐ Power (Tyler)
 - ☐ Rough calculation for capacity constraints → not looking good for a coin cell
 - ☐ Moving forward: Rechargeable Li-Ion pack with higher Ah? (form factor issue)
 - ☐ RSL/AFE Schematic (Tyler)
 - ☐ Got a basic schematic up and running with RSL10 and trying to envision the actual connections between both AFE's and the microprocessor → questions about who to trust
 - ☐ Have a working order sheet for an RSL10 board (from datasheet components)
- ☐ Questions for Schafer
 - ☐ RSL 10 Dev board schematic vs. datasheet schematic and which orientations/components make the most sense to believe?
 - ☐ Do we have any of the crystals/RSL10's/etc. From previous groups to save costs?

Timeline of Tasks:

- ☐ Have AFE working by 2/6/19
- ☐ Compile list of potential issues with Bluetooth, Diodes, and MATLAB by 2/1/19
- ☐ Have MATLAB code working 2/15/19
- ☐ Have working Bluetooth connection 2/22/19
- ☐ Resolve remaining issues with AFE 3/1/19
- ☐ Have working diodes and photodetector 3/6/19
- ☐ Have MATLAB and bluetooth connections working together 3/22/19
- ☐ Have diodes and AFE board working together 3/22/19
- ☐ Refine MATLAB program with testing with diode 3/27/19

☐ Have completed Bill of Material 3/27/19