Bio-Sensor Wearable Development Board

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Date 8/24/2020

Outline

- Schedule
  - Gantt Chart update

- Progress update
  - Current progress
  - Path forward

SCHEDULE

Schedule Gantt chart

Task	6/3-8/16	8/16-8/23	8/23-8/30	8/30-9/6	9/6-9/13	9/13-9/20	9/20-9/27
ELECTRONICS DEVELOPMENT							
-SCHEMATIC GENERATION	✖						
-PCB LAYOUT AND ROUTING	✖						
-HARDWARE DEBUGGING	✖	✖	●				
FIRMWARE DEVELOPMENT							
-PROJECT STACK ORGANIZATION	✖						
-SENSOR DRIVERS	✖	✖	●				
-RTT AND SERIAL DATA LOGGING	✖	✖					
-FIRMWARE DEBUGGING	✖	✖	●				
-NEUROMOTOR PEDIATRIC WEARABLE							

PROGRESS TO DATE

Progress from last week

- Firmware
  - I2C to USB driver
  - MAX30003 driver (still in progress)

- Hardware
  - Debugging wireless charging (still in progress)
    - Ordered larger wireless induction coils

PATH FORWARD

Path forward (8/24/20 – 8/31/20)

- Firmware:
  - Sensor drivers
    - ECG driver
  - DAQ slave protocol

- Hardware:
  - Wireless charging
    - Waiting for hardware…
    - How do we check the status of an RQ in workday?
    - Where do we pickup ordered packages?

- Person limit for patient room?

Georgia Tech
CREATING THE NEXT

APPENDIX