



Bio-Sensor Wearable Development Board

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Outline

- Schedule
 - Gantt Chart update
- Progress update
 - Current progress
 - Path forward

SCHEDULE

Schedule Gantt chart

Task	8/30-9/6	9/6-9/13	9/13-9/20	9/20-9/27	9/27-10/4	10/4-10/11	10/11-10/18
DEVELOPMENT BOARD	✕						
-HARDWARE DEBUGGING	✕	●					
-FIRMWARE DEBUGGING	✕	●					
NEUROMOTOR PEDIATRIC WEARABLE							
-LITERATURE REVIEW	✕	●					
-DESIGN PROPOSAL		●	●	●			
-BLOCK DIAGRAM		●	●				
YEO GENERAL LAB							
-IEN TRAINING	✕	●					
-LOW POWER ECG	✕	●	●	●	●	●	●

LEGEND

- ✕ FINISHED
- TO-DO

PROGRESS TO DATE

Progress from last week

- Firmware
 - DAQ Slave driver [IN PROGRESS]
- Hardware
 - Inductive charging [IN PROGRESS]
 - Trying to optimize coil size
 - RF wireless power harvesting
 - Waiting for ICs
- IEN training
 - Online lecture [FINISHED]
 - In person training with Robbie [FINISHED]
- Pediatric Wearable
 - Literature review [IN PROGRESS]
 - Introductory meeting [IN PROGRESS]

PATH FORWARD

Path forward (9/8/20 – 9/14/20)

- Hardware:
 - Wireless charging
 - Inductive charging: waiting for more samples
 - RF: waiting for samples
- Pediatrics Wearable:
 - Literature review
 - Initial draft and construction
 - Lab meeting to go pneumatic bladder construction
 - Block diagram
 - Design proposal
- IEN training:
 - Online assessment

APPENDIX