



# BITNG PROJECT UPDATE

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# Outline

- Progress to date
- LP ECG
- Schedule
  - Gantt Chart update
- Path forward

# PROGRESS TO DATE

# Progress from last week

- LP ECG
  - Firmware development

# LP ECG PROJECT

# Firmware

- ECG
  - ~~MAX30003~~
    - ~~Drivers~~
  - ~~Optimization~~
- FRAM
  - ~~CY15B108QI~~
    - ~~Drivers~~
  - ~~Optimization~~
- NRF52
  - BLE
  - Power Optimization
  - ~~RTC~~
- Debugging

# PATH FORWARD

# Path forward (11/30/20 – 12/7/20)

- LP ECG:
  - Firmware development
  - Flexible PCB design
- Shriner's Project:
  - Sensor manufacturing:
    - Strain sensors (2X)
      - Trial #3



# SCHEDULE

# Schedule Gantt chart

Task	11/23-11/30	11/30-12/07	12/07-12/14	12/14-12/21	12/21-12/28	12/28-1/4	1/4-1/11
LOW POWER ECG							
-PCB ASSEMBLY							
-HARDWARE DEBUGGING							
-FIRMWARE DEVELOPMENT	✕	●					
-PCB DESIGN		●					
NEUROMOTOR PEDIATRIC WEARABLE							
-LITERATURE REVIEW	✕	●					
-PCB ASSEMBLY							
-HARDWARE DEBUGGING							
-FIRMWARE DEVELOPMENT							
-PRESSURE SENSOR MANUFACTURING			●				
-STRAIN SENSOR MANUFACTURING		●					

## LEGEND



# APPENDIX