**Schedule:**

Located on TeamGantt is our team’s schedule, which includes a variety of milestones, tasks, dependencies, and procurement times. For example, our group has two milestones: “Hardware Configured”, and “Firmware Integrated.” Within each milestone are a set of tasks that much be completed for that milestone is be fully finished, which are listed below. In addition to this, procurement times can be seen both below and on the TeamGantt schedule. We will be procuring components in four different “rounds”, as each round corresponds to different parts needed for upcoming tasks.

**Milestones:**

Milestone: Hardware Configured

- PCB: Watch KiCad Video

- PCB: Layout PCB

- PCB: Send PCB Schematic, Gerber File to Mr. Bruno

- PCB: Send Gerber File to JLCPCB

- BMS IC: Charging/Discharging Batteries

- 12V/24V Conversion: Make Two Voltage Rails

- 12V/24V Conversion: Implement Two Separate Buck Converters

- Charging: Plug in Laptop Charger & Test Charging Time

- Data Logging: Momentary Switch to a GPIO Pin

Milestone: Firmware Integrated

- MCU: Firmware Interfacing (Status Message)

- BMS IC: Evaluation Board Testing (High Temp, Overcharge, Overdischarge, Short Circuit)

- Display: Interface BMS w/ PuTTY Terminal

- Display: Interface BMS w/ LCD Screen

- Display: Format Data on LCD Screen

- Display: Turn on LCD Backlight

- Data: Implement Timers/Interrupts = Collect Data in Intervals

- Data: Dump Data from RAM --> .csv File

- Data: Use SPI to Send .csv File to SD Card

- Data: Add Timestamps

**Procurement Times:**

Ordering/Procuring (1st Round) – BMS IC, ESP 32 Dev Kit

Date:

Ordering/Procuring (2nd Round) – Evaluation Board, Current Sense Resistor, Power Mosfets

Date:

Ordering/Procuring (3rd Round) – PCB from JLCPCB

Date:

Ordering/Procuring (4th Round) – SD Card Module, Laptop Charger

Date:

Screenshot of TeamGantt Schedule:

(change this page to landscape mode)