**Schedule:**

**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)