

The LiPo Crew

Dataforth Battery Charger



Team Updated Gantt Chart Report

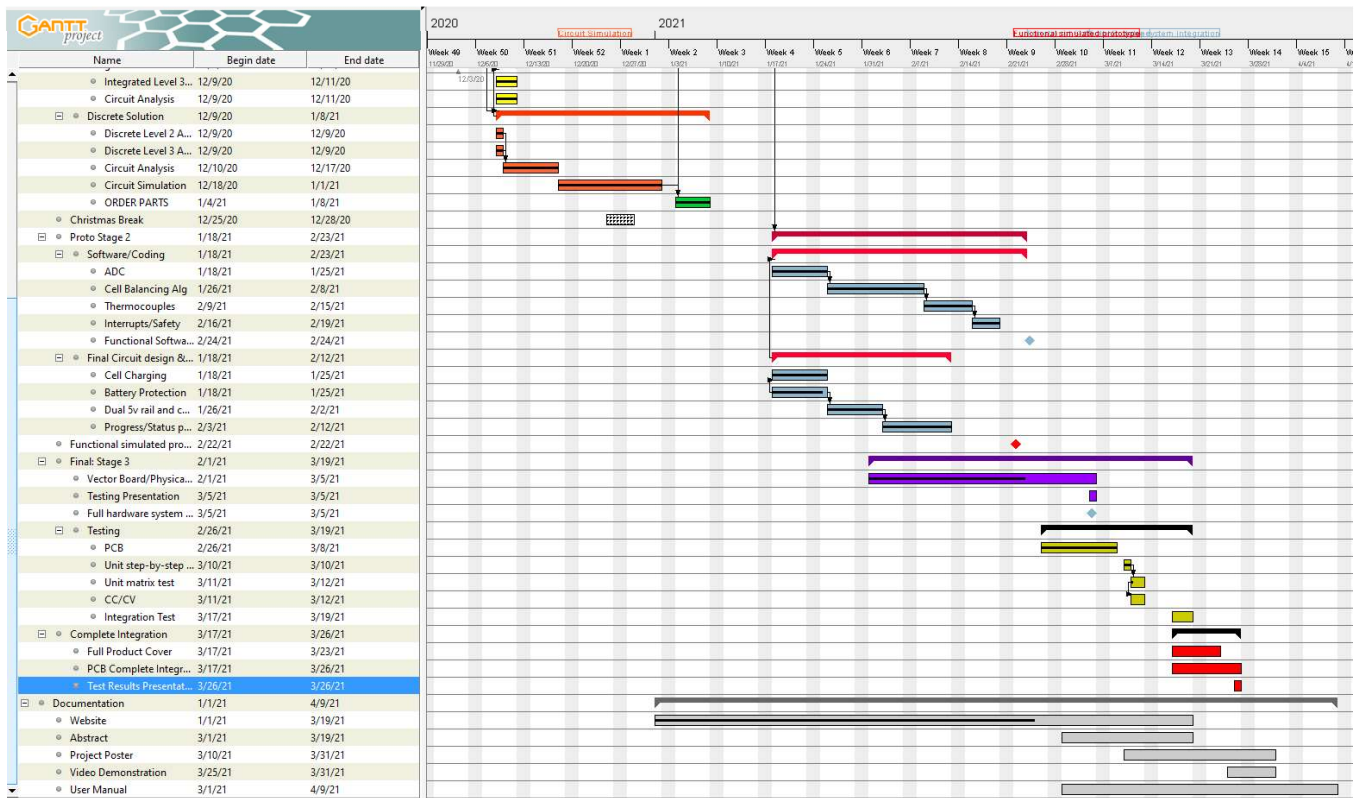
March 12, 2021

Jonathan Ciulla - jc3598@nau.edu

Luis Camargo - lc833@nau.edu

Jace Jenkins - [jcyj248@nau.edu](mailto:jcj248@nau.edu)

Elray Santiago - eks226@nau.edu



The above diagram shows our remaining schedule since our March 5, 2021 build deadline. After a few testing errors and shipping delays, we have readjusted the schedule to fit the new deadlines listed below. We are now moving into our testing phase as we induce minor tweaks to our product and focus on our complete documentation. Currently, we are on the bottom quarter of our schedule (at and below the purple line) leading into several major parts of our project which includes (in chronological order);

1. Finishing our four major tests which include temperature accuracy, fault condition notifications, constant current/constant voltage stress testing, and full system integration testing. All of these will be due by March 19, 2021.
2. The next step will be to tweak our product and prepare for the presentation of our results by March 26, 2021.
3. The last steps of our project include complete documentation of our work. This will include a user manual, Undergraduate Expo registration, a poster board, a video demonstration, and completing our website updates. At the moment some deadlines are set arbitrarily however, a majority of our documentation will be finished or partially completed between March 26 - April

Overall, there have been a fair amount of simulation and pre-testing errors throughout the final stage of prototyping. However, we were still able to complete our build by our March 5 deadline and are moving comfortably through our testing phase. According to our new timeline, we are right on schedule to meet all of our current and future deadlines. Our team has had much success in the last few weeks

identifying and debugging problems as they arise. The outlying factor of shipping times remains an impediment to our project due to weather conditions and COVID-19 regulations. At this time, we have our final orders arriving by March 17, 2021, and will be well on our way to a well-designed and finished device.