

SPRING 2025 ISSUE

UP 2 SPEED

THE OFFICIAL NEWSLETTER
OF SPARTAN RACING



SJSU SAN JOSÉ STATE
UNIVERSITY



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IT'S BEEN A BUSY MONTH

Dear Sponsors, Friends, Family, and Supporters,

While this newsletter edition comes a little late, it doesn't come without some major, and exciting, updates! March has been a busy month for the team, who is still continuing to work on the car even during their Spring break, continuing to test the car; manufacture; and do mock Mechanical Tech inspections.

We are excited to announce that SR-16 is up and running. Additionally, the Business team made it through the first round of the Business component, and are now diligently preparing for their presentation in May for a shot at getting to the Presentation Finals in June.

Warm regards, on behalf of the team,

Kai Rehbinder, Chief Engineer

Robine van Veen, President & Business Lead



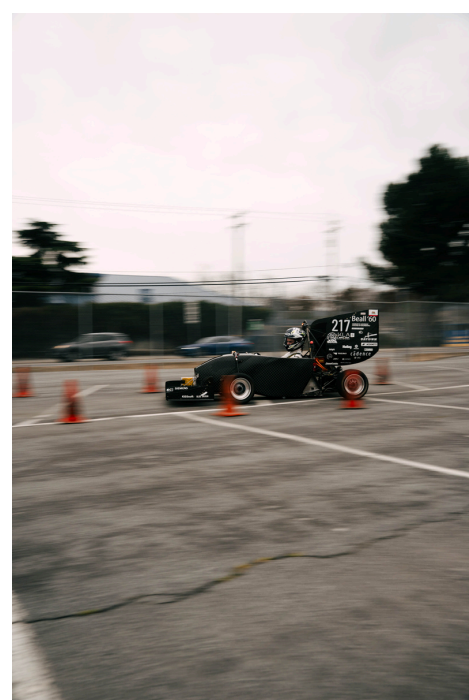


Running Car

We took SR-16 to Park 'N Ride, our testing location, for the first time this weekend! This is the **first car that is done so soon in the team's history**, and we couldn't be prouder.

Our focus was on suspension balance tuning and power limiting, and we were able to keep the car running consistently. We were able to put in over **100 endurance laps** around our course between both Saturday and Sunday!

We look forward to putting in more hours testing SR-16 these upcoming months!



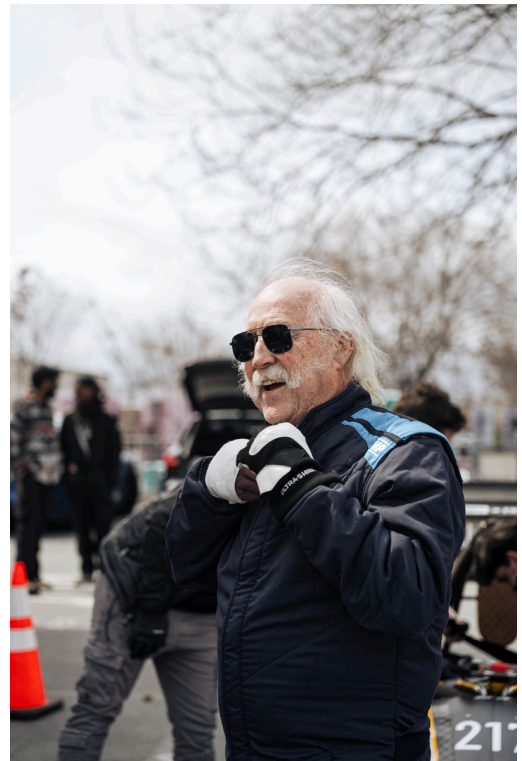
Driver Day

This month, we hosted our annual Driver Day, giving designers and leads the chance to drive SR-15! Additionally, we hosted the College of Engineering as well, as a show of gratitude for their support.



College of Engineering

Driver Day Impressions

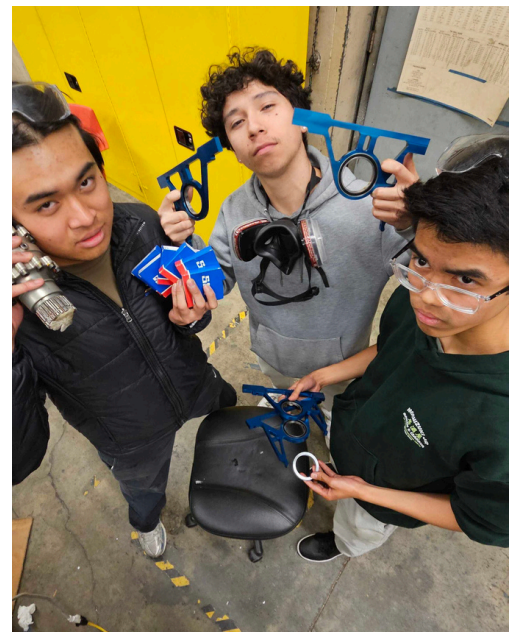
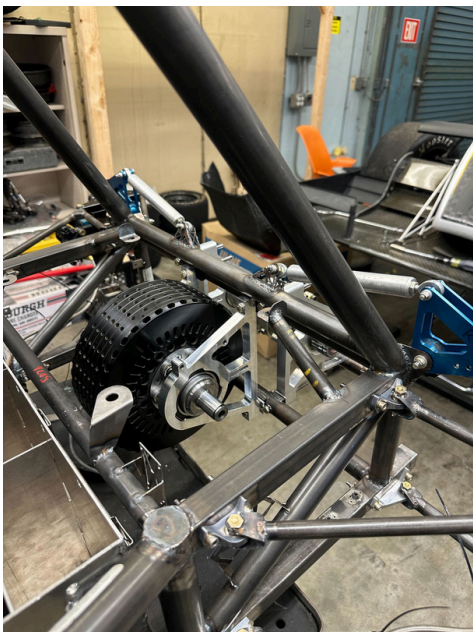


Manufacturing: Electronics

Electronics wired the master panel, BPS, cooling fans, pump, brake light and more onto SR-16. DCDC was tested in the new penthouse, and a new endurance test run was completed with no thermal issues - *all in the first week of the month!* Since then, they've made steady progress to get us to a running car at the end of March.

Manufacturing: Powertrain

Final Drive was able to successfully install both the motor and differential onto the car. After countless hours designing and preparing, everything was able to be installed with ease! While FD worked on the finishing touches, the rest of the powertrain team was able to focus on testing SR-16's modules and custom BMS on SR-15. After some troubleshooting, SR-16 came to life and we were able to successfully drive the car with SR-16's powertrain.



Manufacturing: Chassis

This month, the chassis team welded on brackets to mount components from various subteams, including Aerodynamics and Powertrain. We are proud to announce that our frame has left the welding bay for the final time, and that we are now prepping the frame to be painted! The chassis team will now be moving on to validate design season targets, such as torsional rigidity and suspension compliance values.

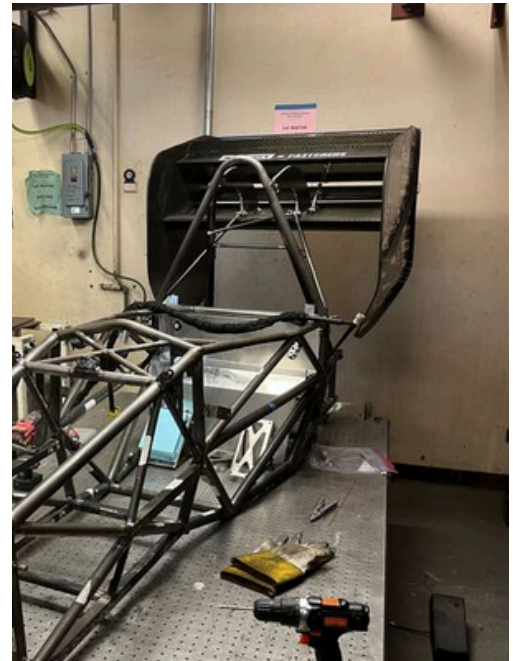
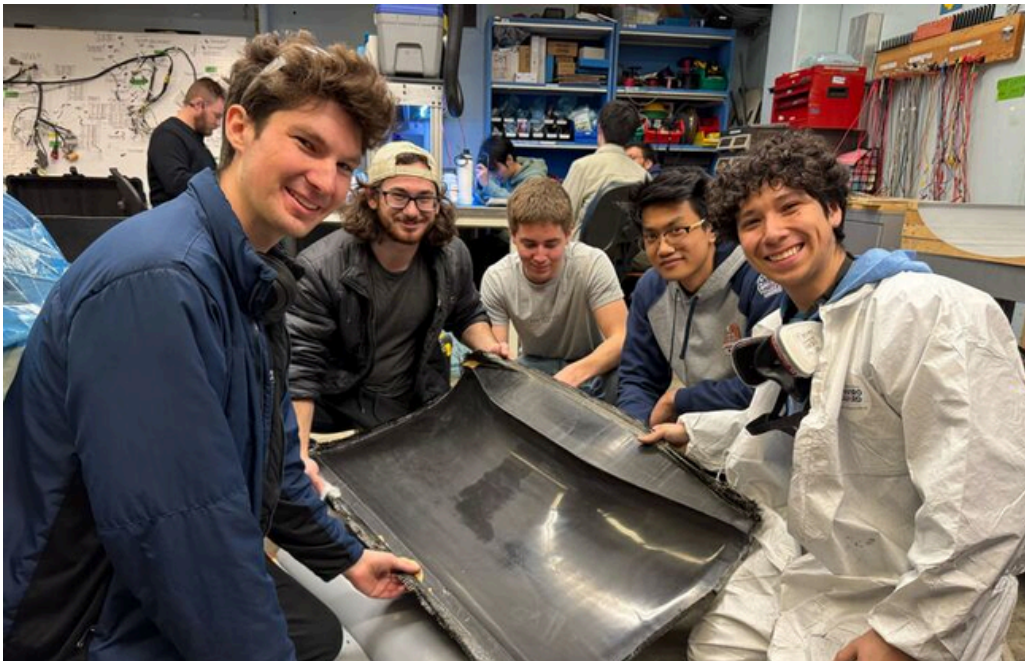
Manufacturing: Suspension

Suspension finished welding the front steering links and anti roll bar. The last set of bungs were manufactured as well. Shocks have been rebuilt which gets them ready to dyno soon! All that's left is a fresh coat of paint!



Manufacturing: Aerodynamics

Aero has made great progress with manufacturing the aero package this month. Making each carbon piece of the aero package is multi step process of taking MDF and prepping it for molds. Once it's ready, they lay up the carbon and create new pieces for our car. We're excited to show it off this season!



Thank you!





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