

FEBRUARY ISSUE • 2026

DESIGN TO REALITY

THE OFFICIAL NEWSLETTER OF SPARTAN RACING



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READY TO BUILD

THANK YOU FOR YOUR SUPPORT INTO 2026



We're one month into 2026, and our pace is looking better than ever! Crushing our crowdfunding goals, gearing up to build the best car on the circuit, and hosting a fun Alumni Driver's Day have been some highlights so far.

Right now, we're in a great position as manufacturing season ramps up, and we're excited to keep the momentum rolling into competition season.

In this issue, you'll find subteam updates, cool photos from our Alumni Driver Day, and the latest crowdfunding news. Thank you to everyone who continues to support the team as we kick off the new year!



ALUMNI **DRIVER DAY**

Our first Driver Day of 2026 was a great opportunity for alumni to check out last year's car and take it for a spin around the SJSU PnR course. After posting impressive lap times, everyone had a chance to network and catch up on SR-17. New interns also got to see the car on track, which was especially exciting since it was their first time seeing the product in motion. Throughout the day, there was a shared sense of awe that brought the team closer together, making Driver Day a great team bonding event.

Shoutout to our alumni for visiting. Stay tuned for upcoming Driver Day events.



SUBTEAM SPOTLIGHT

CHASSIS

Over the past month, the chassis team has completed their chassis jig, machined over 100 inserts, passed SES, and finished tacking the front cockpit. They are currently working with sponsors to get parts delivered and welding in the shop every night until class. Despite the long hours, the vibes are great, and members from all subteams continue to show up to make it happen.



AERODYNAMICS

Aero has been in the shop during crazy hours this month, offering a sneak peek into manufacturing season for new members. We have 3D printed over 32 molds for SR-17's new aero package and begun prepping all of them for layups, with 19 FW parts and both body halves laid up. Beyond the results, over 15 new members have learned how to take parts from CAD and create carbon fiber components. This momentum is only going to increase in the next few months.

SUSPENSION

Suspension has been prepping for manufacturing season. The subteam is currently focused on machining jigs and tuning parts while waiting for the sheet metal and tubes to be delivered. A huge help in this has been Bergman Prototyping, who have already completed and delivered some parts. We also now have access to the CNC mill on campus, thanks to one of our advisors, Doan!



SOFTWARE

January has been busy for the software team, with significant achievements such as creating hardware-in-the-loop infrastructure with framework integration. They've also done a deep dive into analyzing data to support the efficiency algorithm, which allows the car to reach its top speed while staying under energy limits. In the next month, the team plans to research a torque-based cooling strategy and develop more iterations of the Regen algorithm to dynamically balance mechanical and electrical needs.

BUSINESS

Our business team has been busy this month setting up Alumni Driver's Day, creating media, and working with sponsors to get the team ready for manufacturing season. These efforts also include preparing for tabling events, growing our social media presence, and putting together this newsletter so all our supporters can stay informed about what's going on.

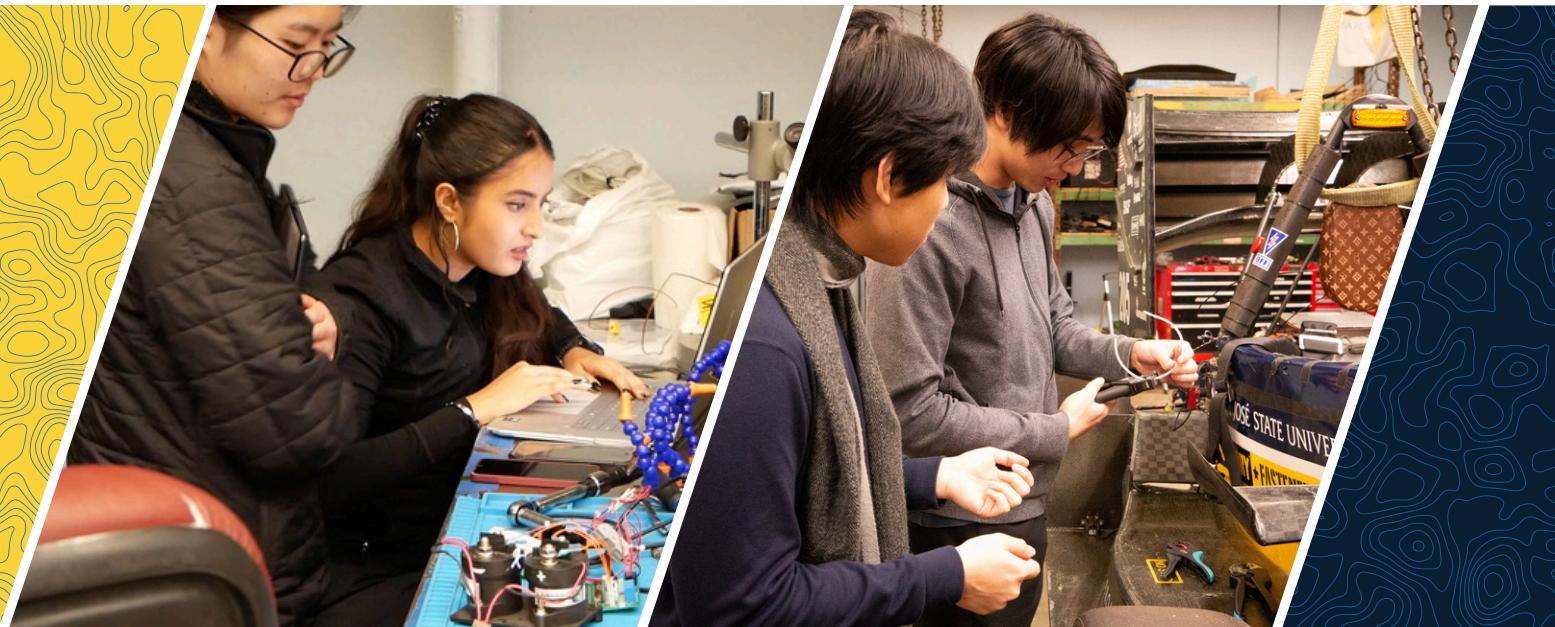


POWERTRAIN

After complex design reviews, our powertrain team is now ready to go. They've been machining using the CNC mill we now have access to, as well as welding day and night. In the last week, some differential carriers have finished machining, and 3D prints are being completed. The team has also made significant progress in welding their tractive battery pack, just in time to start manufacturing season.

RESEARCH & DEVELOPMENT

Going into the new year, the R&D team already has some exciting updates. We've partnered with Roku for their OS software and professional instruction, which started this week! There is also a rev2 of our custom inverter, offering improved motor control at low RPMs. Coming up are the electrical integration DDRs in February and the start of manufacturing on the R&D car.



ELECTRONICS

This month, the electricians on our team have been putting in overtime to get the car on the road. One of their projects is a low-voltage wiring harness in SolidWorks, allowing the team to accurately route wires through the car and determine wire lengths. They've also created a custom, low-cost, and reliable converter to replace expensive off-the-shelf units, reducing financial risk. Coming up is a pitot tube board, currently being assembled, so the aero team can measure airspeed and compare simulations to actual data.

THANK YOU FOR SUPPORTING

We exceeded all expectations on the crowdfunding campaign! Over the two weeks it ran, we raised \$6,925 from 15 incredible donors. This money will directly support the creation of SR-17 and help us perform at our best in competitions. Every dollar will be used carefully and effectively for the team.

Here's the link for those interested in more information about the campaign:
<https://give.sjsu.edu/support-spartan-racing-sjsu-formula-sae/?a=11951862>

A huge thank you to everyone who donated and to everyone reading this newsletter. Your support means the world to us, and we truly appreciate all that each of you gives!





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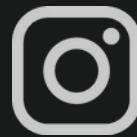
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