

CRIMSON RACING NEWSLETTER

November 2016

Greetings from Crimson Racing!

November is the month of Thanksgiving, and all of us here at Crimson Racing would like to thank all of our sponsors for the time, donations, and support they provide us. Without your sponsorship, we would not be able to complete our goals. This past month we have made an exceptional amount of progress with all of our projects as well as training new members.

Chassis

Frame & Aero

All structural parts of the frame are complete. We are beginning to weld tabs for mounting parts. We plan to powder coat the frame over Christmas break. The body mold is nearing completion. The foam mold has been shaped and the finishing layer of bondo needs to be applied and sanded. Once this is completed, we will be ready to lay carbon fiber. We are excited to use carbon fiber this year because it is significantly lighter than the fiberglass that we have used in the past. The side pod molds have been cut out and glued together.

Ergonomics

This year, the seat will be made out of carbon fiber and will use a similar foam mold to make the seat. The foam for the seat has been cut out and is being shaped for optimal comfort. Many team members have tested the mold in order to get feedback on comfort. Several members on our team are participating in a mechanical senior design group that is working on a custom steering wheel. The steering wheel will be made out of carbon fiber and have multiple user inputs. The initial test design has been completed and we will begin testing it at one of our upcoming drive days.

Outreach

Kart Project

Our team has started a kart project again. In order to promote development of new members, we have them design a go-kart. It teaches many of the design struggles and manufacturing challenges that arise during the designing and building of the FSAE car without the pressure of that level. This project helps new members begin to learn fundamentals under the guidance of older members and find their passion.

Homecoming

The team participated in the homecoming day parade on Oct. 1. Before the game, The University of Alabama held a parade through downtown Tuscaloosa and onto the strip. The parade had several thousand people in attendance. The car was pushed through the parade and we revved the engine several times. This gave the team a lot of exposure to the local community.

Youth

The team participated in the WOW career fair (Worlds of Work) where there were several companies showing off to thousands of high school and middle school students in order to show them different career paths they could follow. We had the car on display and spoke with many of the students and companies in attendance. The team also participated in Engineering Day (E-Day) at the University where the car was on display on campus in front of hundreds of middle school and high school students.



(Left) Team members walking with the car at Homecoming.



(Right) The car and team members at World of Works.

The University of Alabama
Attn: Crimson Racing - Formula SAE
245 7th Ave.
359 H.M. Comer
Tuscaloosa, AL 35487
Email: alabamafsae@gmail.com

Website: <http://fsae.eng.ua.edu/>
Twitter: <https://twitter.com/alabamafsae>
Instagram: [@crimsonracingua](https://www.instagram.com/crimsonracingua)

