

IOWA STATE FSAE UPDATES

MARCH



TOP NEWS

- Cost and design docs have been submitted for Michigan.
- Testing has begun!
- The election process for next season heating up.
- Admitted student's day and the State of Iowa's Science and Technology Fair was a success!
- Our subsystems are hard at work in preparation for our upcoming competition!

A LOOK AT CONTROLS



CR-28's Controls Subsystem works primarily on driver controls. This encompasses steering, shifting, dashboard design, brakes, throttle, and the pedal tray. Controls had made big changes this year, switching our shifting from an electric solenoid to pneumatic shifting, redesigning the pedal tray and brake rotors with weight reduction in mind, and creating multiple dashboard designs to allow for multiple displays to be used.



TESTING CR-28

- After finishing up our manufacturing cycle, we began testing CR-28 in mid-March.
- Testing has been a great opportunity to get our drivers comfortable with newly implemented parts like the new shifting mechanism and brakes.
- We plan to continue testing both throughout the week and on weekend workdays, next up looking at suspension!



AERO KIT PROGRESS

As we approach the competition deadline, our Aero Subsystem team is working diligently to manufacture and refine our aero kit. We are in the process of bonding inserts and wings together for our main planes and sub elements . Our next major project is the undertray lay up which will be one of the most complex layups that the subsystem has undertaken in recent memory. Thank you to all the members who have helped aero get to this point!



MARCH EVENTS

- Told students all about Formula SAE on Admitted Student's Day and at the Science and Technology fair.
- Had fun watching Cars to take a break from building one.
- Got more RedBull from our awesome RedBull student representative!

