

PARKS RACING NEWSLETTER

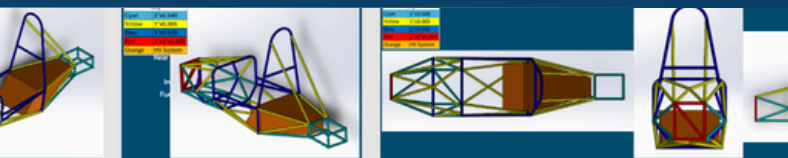
FEBRUARY
2025



We're starting the new semester roaring start. Our team worked diligently over the winter break and throughout January. These past two months have been extremely productive in terms of both design and manufacturing.

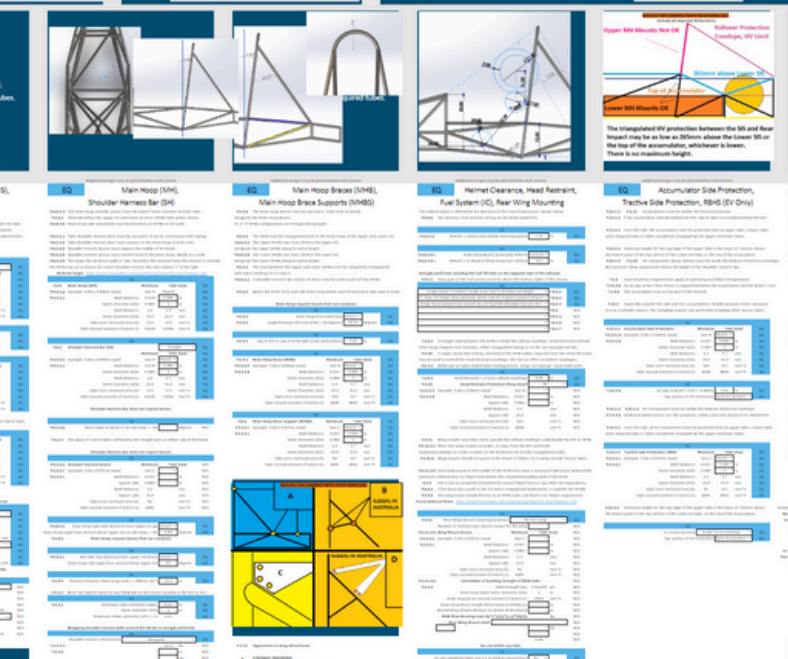
CHASSIS UPDATE

After the arrival of all the tubing in late December, our team got right to work jiggging up the parts to prepare for welding. With the help of licensed professionals, our team has recently managed to complete the chassis.



THE STRUCTURAL EQUIVALENT SPREADSHEET

Per FSAE regulations, all teams are required to fill out a massive Excel sheet that encompasses every tube and part of the car. Everything from measurements to calculations must be included and ultimately approved by the FSAE board. Resubmission is allowed, but we have just recently submitted the preliminary version.

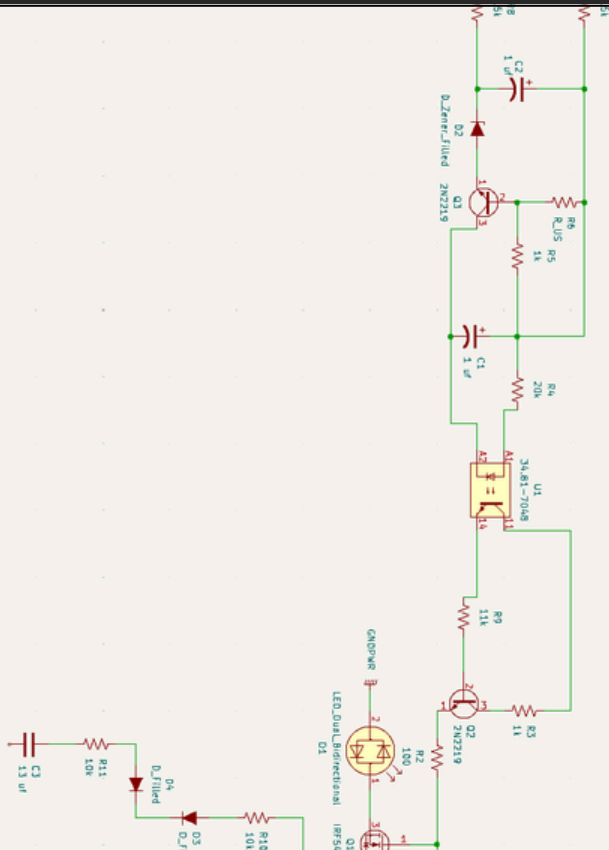


ACCUMULATOR

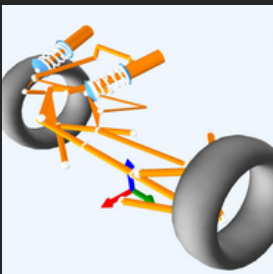
After countless hours, the accumulator box design has been finalized. We are now in the process of working on a KiCad for the low voltage system, so we can print our PCB board.

We are also done with the battery module design, so we will be 3D printing those in the next coming weeks.

The nickel strip for the battery cells has arrived following its order earlier this month.



GALLERY



UPDATED
SUSPENSION
MODEL



BODYWORK FOAM
SANDING



JIGGED UP THE
CHASSIS FOR
WELDING

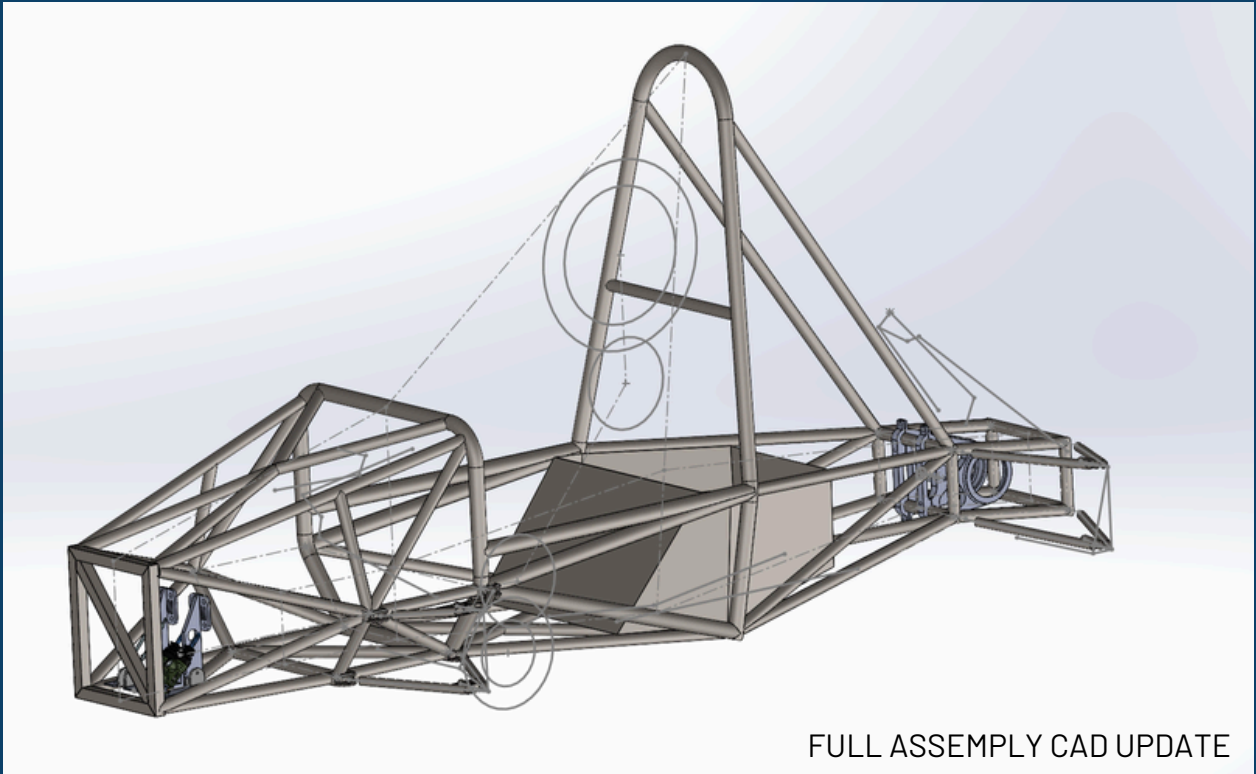


FINISHED WELDED
CHASSIS

BODYWORK

All of the foam boards have been sanded down to fit flush with one another. We created a CAD for each piece that would ultimately all fit together to create one mold. Each piece's file was exported into a g-code that the CNC machine we have can read, then cut in turn. We are patiently waiting for the faculty to help us with the CNC process.





FULL ASSEMBLY CAD UPDATE



SUSPENSION

The suspension team has begun manufacturing the rod ends for the wishbones following the finalization of their design. We need to manufacture 30 rod ends in total for the car, so the manufacturing will take a bit of time. All the rod ends are being made by our students in the campus machine shop.

DOWN



ARLINGTON, TEXAS

JENIFER COGNATA, RILEY GALLIVAN, BEN GROTH, KATIE PEKIC

Four of our team members were lucky enough to travel down to Arlington, TX, and visit UT Arlington and their race team. Learning from a bigger, more experienced team helped us out tremendously.

We took a tour of their facilities and met multiple team leads that gave specific help to any questions we had.

We look forward to continuing our relationship with the students and faculty of UT Arlington.

