FORMULA MONTHIA

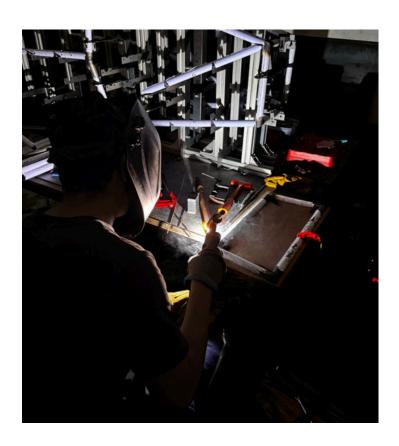
SEPTEMBER 2025





KEEPING UP WITH FM





TAKE A SNEAK PEAK INTO OUR PROGRESS





Structures

Rolling chassis fabrication has been successfully completed, with all structural nodes fully welded. This milestone marks the completion of the chassis



Aerodynamics and composites

This month, the Aerodynamics and Composites team focused on developing new iterations of the sidepod and radiator, running CFD simulations for the aeromap, manufacturing the endplate, and improving the surface finish of the existing flap elements.



Vehicle dynamics

Vd inboard suspension brackets were tacked and

bellcranks were manufactured and installed whole suspension assembly was installed and car was rolled to new ws

clevises were redesigned to improve clearences working on the steering and brake system

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Transmission

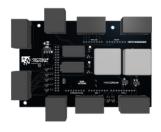
The transmission has been fully assembled and is undergoing preliminary checks to ensure accuracy and reliability. Once this stage is completed, the system will advance to static testing as the next step in performance validation





The TSAC assembly is progressing steadily, complemented by ongoing radiator design efforts aimed at optimizing thermal management. Additional composite layups are being executed to enhance the structural integrity and performance of the TSAC. Concurrently, detailed battery cell modeling and simulation are underway using Batemo, enabling accurate characterization and validation of electrochemical behavior for improved system-level performance.

Electronics and controls



The wiring harness work is currently in progress, with successful completion of testing for individual components and PCBs. At the same time, the wiring harness documentation is being prepared in EPLAN to support accurate design and integration.

Driverless

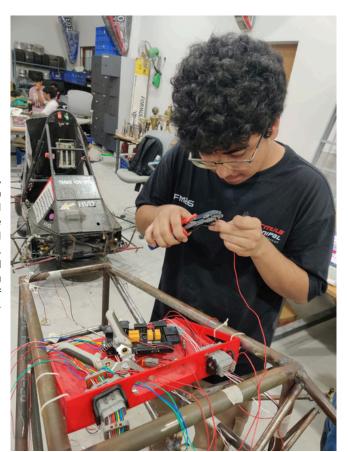


The team has started implementing a new algorithm for Simultaneous Localization & Mapping, namely GraphSLAM

The Zed2i camera has been configured to accurately map out the cones that it detects Motor and Motor Controller are actively being worked on, with the HV and LV already configured, software side is being worked on.

Our Motion Predictive Control algorithm is being configured to work on the FSDS simulator, along with our entire perception pipeline.







NEW WORKSHOP



Since 2007, our workshop has been more than just a space filled with tools, parts, and race car components—it has been the heart of our Formula Student journey. For nearly two decades, it has witnessed countless late nights, sparks from welding, the sound of engines roaring to life, and the shared determination of generations of team members striving toward the same dream: building and racing our own car.

This summer of 2025 marks the end of that chapter, we are saying goodbye to our old workshop and beginning a new era in a brand-new facility. Moving to the new workshop represents not only an upgrade in space and resources but also a symbol of how far we've come as a team. It gives us the chance to work more efficiently, to push innovation further, and to continue building on the strong foundation left by those who came before us.

We are grateful to everyone who contributed to making our old workshop a home. Now, we're excited to open this next chapter and see what the future holds in our new space. One thing is certain: the spirit, passion, and teamwork that defined us in the old workshop will carry forward stronger than ever.









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