

SUPRA SAE INDIA FORMULA STUDENT 2024

2ND - 5TH OCT 2024

DAY 1 - REGISTRATION AND PIT ALLOTMENTS

On Day 1 of the 4-day Formula Students event, the focus was primarily on registrations and pit allotments. Teams from various colleges arrived, eager to showcase their hard work and preparations. Supra MJCET, representing Telangana, completed the registration process smoothly and was assigned their pit, which would serve as the base for their vehicle and team during the event.



This day was crucial for setting up, allowing the teams to familiarize themselves with the venue and prepare for the upcoming technical inspections and tests. The energy in the pits was high as teams made final adjustments and ensured everything was in place for the days ahead.

DAY 2 - PRESENTATION AND FIRST TECHNICAL INSPECTION

On Day 2 of the Formula Students event, the first half of the day was dedicated to three major presentations. Supra MJCET participated in the design presentation, where they highlighted the engineering choices behind their vehicle's structure and innovation. This was followed by the cost presentation, where they broke down the financial details of their project, showcasing the cost-effectiveness of their design. Finally, they delivered the marketing/business presentation, outlining their strategic approach to making the project viable in a competitive market.



The second half of the day focused on the first technical inspection. The inspectors thoroughly examined the vehicle, checking for compliance with safety and technical standards. After a detailed review, the team was given feedback and asked to make specific adjustments to the vehicle. Despite the challenges, the team worked efficiently and managed to implement all the required changes by the end of the day, ensuring the vehicle was ready for further testing.

DAY 3 - SECOND TECHNICAL INSPECTION

On Day 3 of the Formula Students event, the atmosphere was charged with anticipation as Supra MJCET prepared for the second technical inspection, a vital step in the competition. After making the necessary changes based on the feedback from the previous day, the team was eager to demonstrate their vehicle's readiness. The inspectors conducted a thorough review, ensuring that all modifications met the stringent safety and technical standards required for participation. The team's efforts paid off as they successfully passed the inspection and received the necessary sticker, signifying their compliance and readiness to move forward in the event.



WEIGHT TEST

With the sticker in hand, the team eagerly proceeded to a series of critical tests that would assess their vehicle's performance. The first was the weight test, where they carefully measured the vehicle's mass to ensure it met the competition's specifications. This assessment was crucial for calculating weight distribution and overall performance on the track. The team worked meticulously to ensure that their vehicle was not only within the limits but also balanced, which could significantly impact its handling and speed during the race.

Next, the team moved on to the egress test, a critical safety evaluation requiring them to demonstrate the ability to exit the vehicle quickly in case of an emergency. This test emphasized the importance of safety protocols, and the team executed it flawlessly, showcasing their preparedness.

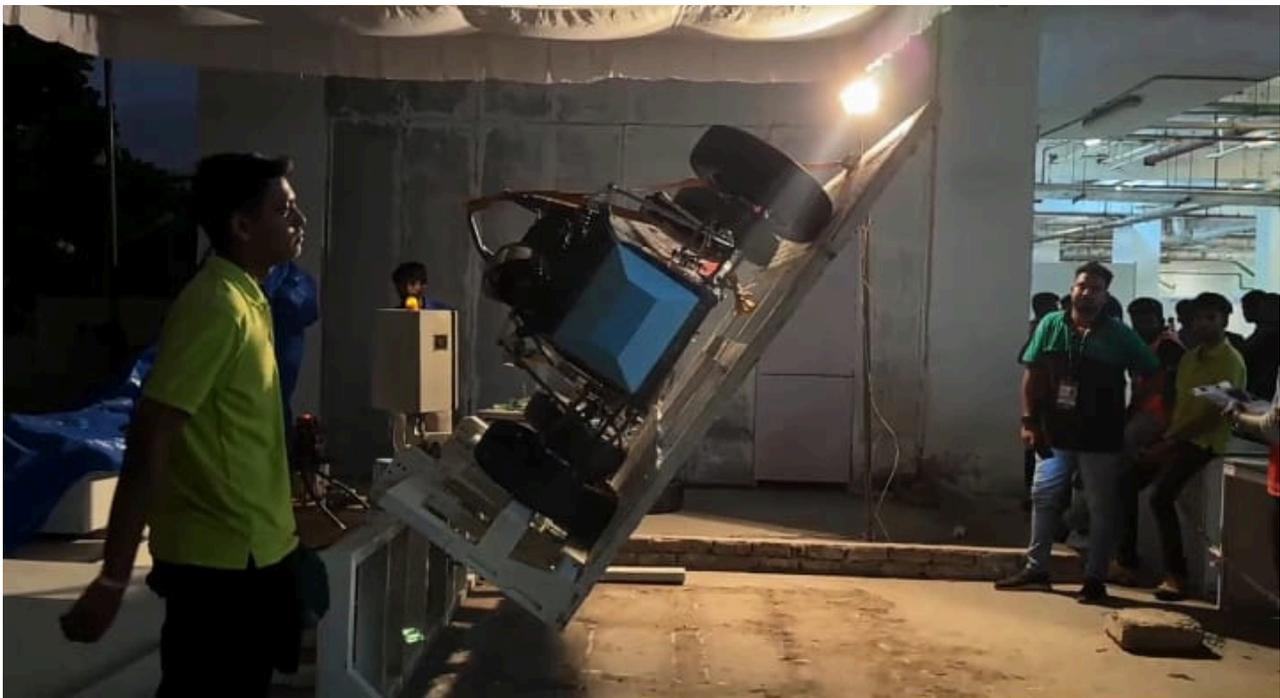


EGRESS TEST

FUEL FILLING

Following the egress test, they conducted a fuel check and fill, confirming that their vehicle adhered to all fuel-related regulations. With these tests successfully completed, the team felt a renewed sense of confidence and excitement, eagerly anticipating the next challenges in the competition and looking forward to showcasing their hard work on the track.

After completing the earlier tests, Supra MJCET faced a significant delay on Day 3 due to problems with the competition machines, which led to a two-hour hold-up. The delay impacted the schedule, and in the meantime, the team's driver and captain were taken for the endurance briefing, preparing them for what would have been the next major phase of the competition. Despite these interruptions, the team stayed focused, ready for the next set of challenges.



TILT TEST

The tilt test finally took place at 7 PM. This test was critical for assessing the vehicle's ability to remain stable when tilted at steep angles, simulating extreme driving conditions such as sharp turns or sudden maneuvers. Supra MJCET's vehicle passed the tilt test successfully, showcasing its balance and control. This was a crucial step, as it proved that the vehicle could handle high-stress scenarios without tipping over or losing stability.

Following the tilt test, the team proceeded to the noise test. This evaluation was designed to measure the sound levels produced by the vehicle to ensure it adhered to the competition's noise regulations. Supra MJCET's vehicle cleared this test with ease, demonstrating that it met all the required standards.



NOISE TEST

Despite the delays that kept us from completing the brake test, our team was proud to be the only vehicle from Telangana to have successfully cleared the technical inspection. Vehicles from CBIT and NIT Warangal were unfortunately rejected at this stage, highlighting the significance of our achievement. Throughout the event, vehicles from Pune dominated the competition, ultimately taking home most of the prizes, but our team's performance and progress were recognized and appreciated, particularly for our vehicle's design and fabrication quality.

DAY 4 - ENDURANCE RACE

Day 4 of the Formula Students event marked the culmination of the competition with the highly anticipated endurance race. Although Supra MJCET could not participate in this final challenge due to the earlier brake test delay, the atmosphere remained electric as teams pushed their vehicles to the limit in this grueling test of performance and reliability.



After the race, the event concluded with the distribution of certificates, recognizing the hard work and achievements of all the participating teams. Despite the setback, Supra MJCET left with their heads held high, proud of their vehicle's accomplishments and the recognition they received throughout the event.