



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
And Affiliated to University of Mumbai

Department of Mechanical Engineering

Event Name:	ATVC 2022-23
Location:	NMIET Talegaon
Participating Team Name:	ARTEMIS RACING INDIA
Vehicle No:	#87
Date:	1-5 March, 2023
Time:	10.00 Onwards

Programme Summary/Details:

One notable event in which the ATVC student chapter participated was the ATVC MBAJA 2023, a national-level competition held from 1st March 2023 to 5th March 2023 at NCER Pune - Nutan College of Engineering & Research in Talegaon Dahbade, Pune, Maharashtra. The event attracted 27 teams from the m-Baja category and 7 teams from the e-Baja category from all over India.

The team from VIVA Institute of Technology consisted of 11 members who attended the event. The schedule for the various events was as follows:

Day 1: Technical Evaluation, Engine Check, and Static Events

Due to the unavailability of the Driver Suit and Skidoo Kill Switch, we were unable to clear the Technical Evaluation on the first attempt. Consequently, we couldn't proceed to the Engine Check and Static Events.

Day 2: Technical Evaluation, Business Presentation, and Design Evaluation

During the Business Presentation, we successfully presented a start-up idea for an All-Terrain Vehicle to a group of investors and sales managers, garnering their interest. Although we were still unable to clear the Technical Evaluation, we managed to pass other technical aspects such as Driver Aggression, Drip Test, Engine Check, and Welding Joints. In the Design Evaluation, we explained our technical and design considerations, justifying each decision. We cleared this event and proceeded to the weight check, which revealed our vehicle's weight to be 190 KG.

Day 3: Technical Evaluation and Brake Test

After fixing the kill switch, we reattempted the Technical Evaluation and successfully cleared it on the third attempt. During the Brake Test, we faced challenges with the front-left tire's rotation after applying brakes. However, we identified the issue and replaced the brake pads, ultimately passing the Brake Test.

Day 4: Brake Test, Suspension & Traction Test

We encountered difficulties during the Brake Test again due to brake oil contamination, but we resolved the issue and cleared the test. Unfortunately, during the Suspension & Traction Test, a sudden steep bump caused the steering fork of the front-left wheel to break, rendering us unable to replace it and disqualifying us from the competition.

Day 5: Endurance & Prize Distribution

As we were disqualified from the Suspension & Traction Test, we couldn't participate in the Endurance event.

In conclusion, the participation of the ATVC student chapter from VIVA Institute of Technology in the ATVC MBAJA 2023 event provided valuable learning experiences and opportunities for growth. Despite facing challenges and setbacks along the way, the team exhibited determination, resilience, and a strong spirit of teamwork.



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Throughout the event, the team showcased their talents and skills in various aspects of the competition, including technical evaluations, business presentations, and design evaluations. Their ability to effectively communicate their ideas and demonstrate their technical expertise impressed both the judges and investors present.

Photos:





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