



Late Shri. Vishnu Waman Thakur Charitable Trust's

## **VIVA Institute of Technology**

Approved by AICTE, New Delhi, DTE, Government of Maharashtra, Affiliated to University of Mumbai  
At- Shirgaon, Post-Virar (E.), Tal-Vasai, Dist-Palghar – 401 305.

Tel.: 777 000 2544 • Website : [www.viva-technology.org](http://www.viva-technology.org)

E-mail: [contact@viva-technology.org](mailto:contact@viva-technology.org) / [principalvit@vivacollege.org](mailto:principalvit@vivacollege.org)

### **Department of Mechanical Engineering**

<b>Event Name:</b>	MBAJA SAE INDIA 2018-19
<b>Location:</b>	Pithampur
<b>Participating Team Name:</b>	ARTEMIS RACING INDIA
<b>Vehicle No:</b>	#58
<b>Date:</b>	23-27 January, 2019
<b>Time:</b>	10.00 Onwards

### **Programme Summary/Details:**

Team Artemis Racing India from VIVA Institute of Technology participated in the highly anticipated BAJA SAEINDIA 2019 event. The event occurred in Pithampur, Indore, and the team's vehicle, "Hela," cleared the site-level technical inspection on Zeroth day. Out of numerous teams, only nine were able to pass this crucial inspection, which allowed them to participate in the dynamic events at BAJA 2019.

On the first day of the event, the team prepared their vehicle for static evaluations, including design evaluation, cost report evaluation, and sales presentation. The design evaluation involved a presentation highlighting the design changes compared to the previous year's car. The team scored 77.4 points and ranked 90th in the design category. They also completed the cost report evaluation and sales presentation.

The second day focused on various dynamic events such as maneuverability, suspension, and traction. One of the crucial tests was the brake test, during which the team faced a breakdown in the mounting. However, they quickly made the necessary changes and cleared the brake test on their first attempt. The team completed all the dynamic events efficiently, demonstrating their skill and determination. This year, a new event called rock crawl was introduced, challenging the vehicles with hurdles like wooden logs, mud pits, rocks, and steep slopes. Despite the additional challenges, the team successfully overcame all the obstacles.

The third day marked the highly anticipated endurance race, which tested the vehicle's durability on a 5.5km track with various hurdles. The race included steep hill climbs, uneven lands, mud traps, water bowls, and narrow patches. Only 116 vehicles qualified to compete in this challenging race. The event was inaugurated by Mr. Pawan Goenka, Chairman of Mahindra and Mahindra Ltd., and the race commenced with a countdown and flag-off. Despite facing major breakdowns during the race, Team Artemis Racing India managed to complete the endurance race with two laps. It was a significant achievement considering the toughness of the track, and the team took pride in their accomplishment.

After the event, the final overall results were announced, and Team Artemis Racing India ranked 92nd in India, 49th in Maharashtra, and 3rd in Mumbai. Two students from the team were even shortlisted for job interviews conducted by automotive industry representatives. This recognition highlighted the team's dedication and the skills they developed throughout the event.

The team expressed their gratitude to the management of VIVA Institute of Technology, the principal, and Mrs. Niyati Raut for their support and motivation. They also thanked their sponsors for their generous support and guidance, without which their success would not have been possible.

Artemis 5.0, the team's vehicle, represented a revolutionary evolution. The team made significant technical improvements, particularly in the transmission, suspension, and frame material of the vehicle. The success of these modifications was a testament to the support and well wishes they received. The team's performance in BAJA 2019 was remarkable, and they expressed their commitment to performing even better in future events.



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In conclusion, Team Artemis Racing India's participation in BAJA SAEINDIA 2019 was a journey of challenges and triumphs. They cleared the technical inspection, excelled in static evaluations, showcased their skills in dynamic events, and persevered through the demanding endurance race. Their remarkable performance and recognition in the event were a testament to their hard work, determination, and the support they received from their institute, sponsors, and well-wishers.

### Photos:

