



**Sandip Foundation's
Sandip Institute of Engineering & Management
Mahiravani, Nashik
Department of Mechanical Engineering
A.Y. 2022-23**



Report On SAE Baja

Baja SAE is an intercollegiate design competition run by the Society of Automotive Engineers. Teams of students from universities all over the world design and build small off-road cars. The cars all have engines of the same specifications.

For Academic year 202-23, team Delta genesis participated in the event with fresh team and gone through the different stages of the event. The virtual BAJA round was conducted first by SAE where team had secured 33 rank all over India.

In the event of main BAJA, team has gone through all the different stages and tracks like suspension and traction test, brake test, manoeuvrability, endurance test etc. and scored 188.65 points in the event and secured 59 rank all over India.

The event was scheduled in the month of February from 15/02/2023 to 18/02/2023.

- **Day-1(15/02/2023)-Registration**

On the first day of the event, teams were expected to report at the event venue i.e. Pithampur, Indore. Day-1, is reserved for the team registration.

- **Day-2(16/02/2023)- Technical Inspection**

Day-2, is allotted for technical inspection where, team has to go through the different inspections as per the rule book of the event. All inspections of the vehicle developed by the team of students is inspected by experts from the various automobile industries.

- **Day-3(17/02/2023)- Dynamic events**

Day-3, is for the dynamic events, where team has to pass through various events like suspension and traction test, brake test, manoeuvrability, acceleration tests etc. Every test appeared by the team has certain weightage and team of experts observes it very carefully to evaluate the performance of the team. Teams passed through technical inspection and dynamic events are only eligible for next round i.e., Endurance.

- **Day-4(17/02/2023)- Endurance test and valedictory**

Day 4, is the main event which is endurance test. Where teams passed through different events are eligible for endurance test. Which is actually a race of 4 hours. Maximum laps covered by the team secures maximum points.

- After endurance test valedictory function was conducted by SAE BAJA officials where the results of the event are declared.
- Total team size for the event is 30. The list of students is as below

Sr. No.	Names of the students	Role in the team
1	Tejas Patil	Captain/ Driver 2
2	Siddharth Hon	Driver 1
3	Sagar Chavan	Member
4	Imran Shaikh	Member
5	Samarth borase	Member
6	Shubhankar Bhavsar	Member
7	Atharava Mahajan	Member
8	Ahish Nikam	Member
9	Ritesh Vishwakarma	Member
10	Kiran Mandalik	Member
11	Harshal Patil	Member
12	Hrushikesh Mahale	Member
13	Sarvesh Londhe	Member
14	Vivek Ahire	Member
15	Shuham Jagtap	Member
16	Pratik Shimpi	Member
17	Kiran Kale	Member
18	Prasad Borase	Member
19	Pavan Chavan	Member



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20	Shahabaj Tamboli	Member
21	Rutvij Patil	Member
22	Tanish Mahajan	Member
23	Atul Barhate	Member
24	Anjali Singh	Member
25	Sayali Chaudhari	Member
26	Vedika Jadhav	Member
27	Smita Shirke	Member
28	Madhuri Barhe	Member
29	Rutuja Bhamare	Member
30	Prof.Tushar Patil	Faculty Advisor
31	Prof.Sunil Mahajan	Faculty Advisor

Some moments of event are here.







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SAE SIEM collegiate club has started in the year 2015, and the details of achievement of the team are as below.

<i>Year of Participation</i>	<i>Virtual Rank</i>	<i>Main BAJA rank</i>
2015-2016	98/ 393	37/150
2016-2017	165/375	Only 150 teams were selected for the main event.
2017-2018	146/390	94/150
2018-2019	64/390	<ul style="list-style-type: none"> ✓ ALL India Rank 1 ✓ With overall prize of Rs.2.50 lacs and ✓ First Rank in Design evaluation with Prize of Rs.50 thousand ✓ Also, Team has won the MEGA ATV championship with AIR 2 and won the prize of Rs. 50 thousand.
2019-2020	31/400	Team is ready with ATV, for the competition. The event is scheduled at Pithampur, Indore from 23/01/2020 to 26/01/2020
2022-23	33/150	59/100