ABOUT SAE

SAE International, known as the Society of Automotive Engineers, is a U.S.-based, globally active professional association and standards developing organization for engineering professionals in various industries. Principal emphasis is placed on global transport industries such as aerospace, automotive, and commercial vehicles. SAE International has over 138,000 global members. Membership is granted to individuals, rather than companies. Aside from its standardization efforts, SAE International also devotes resources to projects and programs in STEM education, professional certification, and collegiate design competitions.

SAEINDIA is India's leading resource for mobility technology. As an individual member-driven society of mobility practitioners, the ownership of SAEINDIA wrests with its members who are Individuals from the mobility community, which includes Engineers, Executives from Industry, Government Officials, Academics, and Students.

SAEINDIA is a strategic alliance partner of SAE International registered in India as an Indian nonprofit engineering and scientific society dedicated to the advancement of the mobility industry in India.
In our college the SAE is divided into two parts to facilitate and encourage the automotive enthusiasts to participate in different events.

- BAJASAE CLUB - Team VEERssRacing
- SUPRA SAE CLUB - Team VEERRACERSS

SELECTION PROCESS:
- At first, all the interested students are given a briefing classes about the Teams, activities & the work every member does in the respective teams.
- After the classes are done, a test is conducted on the different departments and marketings skills.
- On qualifying the test, a Personal Interview is conducted by both the clubs combinely with the students to divide them to different teams and field in the respective team.
TEAM VEERSSS RACING
ABOUT BAJA SAE
ABOUT US
Team VEERss Racing is a team of 35 undergraduate student engineers and automobile enthusiasts every student going an extra mile for a common ambition of being at front steps of global student motorsports designed and fabricate to compete at different BAJA Events. The prototype vehicle is judged in the areas of Engineering Design, Cost effectiveness, Marketability & Performance. The vehicle is made to be in line with the stringent norms laid down by the events.
The team mainly comprises of different departments which work in conjunction to build the final vehicle.

The departments namely are:-

1. Chassis & Design
2. Vehicle Dynamics
3. Engine and Transmission
4. Brakes & Tyres
5. Aerodynamics & Ergonomics
6. Marketing & Management
7. Graphic Design
8. Drivers
ACHIVEMENTS

IoKE I
Debut in BAJA CDS event 2012
Completed endurance run and finished 14th
Overall 15th

IoKE II
Finished endurance run at 8th position
Qualified for international version at Washington DC

IoKE III
Top 5 in CAE award
Finished 34th in overall charts

IoKE IV
Participated in BSI2015
6th most cost effective design
8th Best Design Model
IoKE V
Participated in BSI 2015
Ranked 1st in Cost Presentation
Ranked 2nd in Endurance Run
Ranked 5th in Design Presentation
Ranked 4th in Overall Charts

IoKE VII
Ranked 1st in Endurance Run in ESI
Ranked 1st in Dirt X in ESI
Ranked 6th in Overall Charts in ESI
Ranked 8th in Endurance Run in BAJA SAE
Ranked 15th in Overall Charts in BAJA SAE

IoKE VI
Secured position among design finalists
Among top 5 teams CAEawards

IoKE VIII
Ranked 6th in Cost in BAJA SAE
Ranked 9th in ENDURANCE Run in BAJA SAE
Ranked 14th Overall charts on BAJA SAE
PERFORMANCE LAST SEASON

IoKE IX

Ranked 1st in Design Presentation
Ranked 1st in Go-Green Event
Ranked 1st in CAE Evaluation
Ranked 3rd in Cost Evaluation
First prize for VSSUT team

Sambalpur: Team VEER-Racings of Veer Surendra Sai University of Technology (VSSUT) bagged first prize for their light weight all-terrain vehicle (ATV) at Baja-SAE India, hosted by Chittkara University in Punjab. The event was organised by SAE India in association with Mahindra and ARAI. Team VEER-Racings’ vehicle, weighing just 133 kg, officially inaugurated by SAE India officials and organisers, turned out to be the lightest at the event. Over the years, the team has been striving to craft lightweight all-terrain vehicle capable of moving on hilly and muddy areas. The team, led by Sovenraj Patra, a student of final year, Electrical Engineering, comprised 21 members. This innovative all-terrain vehicle bagged first prize in engineering design, computer aided engineering and go green categories. Besides, it was awarded third prize in cost presentation with a cash prize of ₹1.5 lakh.
## Team Members

### Final years
1. Priyanshu Kanungo (Captain)
2. Arka Chatterjee (Technical Head)
3. Asis Kumar Dalei (Manufacturing Head)
4. Chandan Sethi (Vehicle Dynamics Head)
5. Jyotiprakash Sahoo (Chassis Design Head)
6. Ritesh Sahu (Brakes Head)
7. Sahil Panda (Team Manager)
8. Siddharth Mohaptra (Transmission Head)
9. Swadhin Mohanty (Steering and Marketing Head)

### Pre final-years
1. Soumya Kanta Panda (Design and CAE Engineer)
2. Sudip Chand (Suspension Head)
3. Kumuda Ranjan Pati (Manufacturing & Welding Engineer)

### 2nd years
1. Aryan Duttaterya Dixit
2. Payal Mittal
3. Prachi Priyasha
4. Bilash Mahaputra
5. Smriti Ranjanathpathy
6. Pritam Pradhan
7. Hrishikesh Pradhan
8. Arup Kumar Jena
9. Tanmay Raj
10. Nikita Marandi
11. Smriti Ranjanathpathy
12. Pritam Pradhan
13. Hrishikesh Pradhan
14. Arup Kumar Jena
15. Tanmay Raj
16. Nikita Marandi
17. Subrat Patel
18. Dibyajyotimuduli
19. Rajat Risabh Pradhan
20. Siddharth Suman Moharan
21. Swarnamayee Biswal
Learning from past BAJA experiences, Team VEERss Racing here stands to design their best in the upcoming event with sheer goals. With an indomitable zeal to reach the peak, we here at baja to conquer. IoKE X is soon going to have a sneak peek into its brand new design and analysis with higher performance in everyaspect.

IoKE X Features:
- Ultra Light Chassis
- Infinitely adjustable suspension system
- Improved Transmission System
- Improved Ergonomics
- Lightest IoKE ever
- Customized Brake Calipers
- Introduction to electric vehicle
CONTACT US

Dr. PRASANT NANDA, VICE PRESIDENT
Email- pnanda18@gmail.com
Phone no.- 9861263248

Dr. P.K. JENA, FACULTY ADVISOR
Email- pjenavssut@gmail.com
Phone no.- 9861444169

PRIYANSHU KANUNGO, TEAM CAPTAIN
Email- priyanshukanungo1999@gmail.com
Phone no.- 9938482369

SAHIL PANDA, TEAM MANAGER
Email- pandasahil032@gmail.com
Phone no.- 9583319924

SWADHIN MOHANTY, MARKETING HEAD
Email- swadhin.1998@gmail.com
Phone no.- 9853899987

GET CONNECTED TO US ON

@TeamVEERssRacing
@team_veerSSRacing
@Team VEERss Racing
@VEERss Racing

For any queries, write to us at vssutsae@gmail.com
Formula Student is a student engineering competition held annually. It started in the UK but today the concept has spread to many other countries. Student teams from around the world design, build, test and race a small scale formula style racing car. The cars are judged on a no. of criteria such as engineering design, cost effectiveness, etc. It is run by the institution of mechanical engineers and uses the same rules as the original formula SAE with supplementary regulations.
Team Members

**FINAL YEARS**
1. Debapriya Swain (Captain)
2. Sourav Kumar Sarangi (Suspension Head)
3. Tekchand Sahu (Steering Head)
4. Anubrat Padhee (Technical Head)
5. Sthitapragyan Rath (Manufacturing Head)
6. Prayag Raj Mishra (Chassis Head)
7. Swagat samal (Team Manager)
8. Sameer sahaya (Driver)
9. Subhashis Nayak
10. Soniya Thakur

**PRE FINAL YEARS**
1. Bhairab Prasad Kantu
2. D Subham
3. Anurag Samal
4. Shubham Naik (Team Manager)
5. Siddhi Pragyan Sahoo
6. Sritam Tripathy
7. Swetaprabhaksh Mishra
8. Omkar Agarwal
9. Debesh Lath
10. Kunal Ranjan Kalari
11. Gargi Goutami B
12. L Sirisha Steering
13. Ankitapriyadarshini
14. Devesh Patro Suspension
15. Tapas Mandal T
16. Mandeep Singh
17. Nishant Badu
18. A Swati
19. Priyanka Biswal
20. Emil Topno
21. Sabyasachi Nanda
22. Aryan Amitabh Panigrahi
23. Saswat Mohanty
24. Ranjeeta Marndi
25. Ranjit Behera
26. Rohit Kumar Singh
27. Vasundhara Saraf
28. Balgopal Biswal
29. Shubhasmita Behera
TEAM STRUCTURE

The team mainly comprises of different departments which work in conjunction to build the final vehicle.
The departments namely are:-
1. Chassis & Design
2. Vehicle Dynamics
3. Engine and Transmission
4. Brakes & Tyres
5. Aerodynamics & Ergonomics
6. Marketing & Management
7. Graphic Design
8. Drivers
ACHIEVEMENTS

SUPRA SAE 2018
AIR 3 in DESIGN (2nd Runners Up)
AIR 7 in ENDURANCE
AIR 7 in COST
AIR 9 in OVERALL

FORMULA BHARAT 2018
AIR 29 in RULESQUIZ

FORMULA BHARAT 2019
AIR 14 in RULESQUIZ

FFS INDIA 2019
AIR 3 in COST
AIR 4 in DESIGN
AIR 7 OVERALL
2. Outer Differential.
3. High Power-to-Weight Ratio.
5. Adjust Seat for attaining suitable driving position.
6. Integrated Geo-positioning System for better guidance on Track.
7. Sway-Bar for reducing Body Roll during High-Speed Cornering.
8. Thin mild steel sheet of 0.68mm.
9. AISI 1018 Wishbones and Aluminum 7050 used in other suspension components for High Strength-to-Weight Ratio.
PLAN FOR VENTUS 6.0

• Ultra Light Chassis
• Adjustable suspension system
• Better ergonomics
• Customized Brake Calipers
• Improved electrical system
• Introduction to electric vehicle
CONTACT US

Get Connected to Us on-
VEERRACERSS

For any queries, write to us at
vssut.supra@gmail.com

Dr. PRASANT NANDA, VICE PRESIDENT
Email- pnanda18@gmail.com
Phone no.- 9861263248

Dr. P.K. JENA, FACULTY ADVISOR
Email- pjenavssut@gmail.com
Phone no.- 9861444169

DEBAPRIYA SWAIN, TEAM CAPTAIN
Email- swain.1234.debapriya@gmail.com
Phone no.- 7655062455

SHUBHAM NAIK, TEAM MANAGER
Email- shubhamnaikofficial@gmail.com
Phone no.- 7008470799

ANUBRAT PADHHE, TECHNICAL HEAD
Email- anubratpadhee@gmail.com
Phone no.- 6370752440