

SAE COLLEGIATE CLUB

SAE collegiate club of LTCE has Three teams Namely **Team TT Racing**, **LTJSS Racing India** and **SCHNELL Racing** out of which first two teams belongs to OFF ROAD Racing vehicles and other is ON ROAD Racing vehicle. Students enthusiastically participate in various events in India as well as in Abroad and doing extremely well to groom the technical aspects and real engineering while catering through curriculum. LTCE management and college authorities is supporting the teams whole heartedly by all means and keep the students progress in the competitive world. The Club works under the guidance of **Principal Dr. Vivek Sunnapwar**, **HOD Dr. Chandrababu D.** and **SAE Faculty Advisor Prof. Ajay Kashikar** from Mechanical Engg Dept.



TEAM TT RACING



In Team TT Racing we design, analyse and manufacture a single seater All Terrain Vehicle for BAJA SAE competition. BAJA SAE is an intercollegiate engineering design competition for *undergraduate* and *graduate* engineering student.



- 5th in 2015
- 22nd in 2016
- 15th in 2017
- 6th in 2018

- 2nd in Maneuverability in 2018
- 6th in Acceleration in 2018
- 9th in Suspension and Traction in 2018
- 11th in Slott Pool in 2018+
- 9th in Endurance in 2018





TEAM SCHNELL RACING



- Formula SAE (Society of Automotive Engineers) is an International student engineering competition organized by SAE in which students from various colleges and universities all over the country represent their institute as a team and compete in it.
- TEAM SCHNELL RACING is a team of Automotive enthusiasts with a passion of achieving engineering excellence in student world.
- We design, fabricate and develop a Formula style prototype to compete in various Formula Student completion.
- Adding form to our passion, we mould our classroom principles into the miracle of engineering i.e. formula prototype race car.

OUR ACHIEVEMENTS

EVENTS ATTENDED:

- SAE INDIA 2018
 - 1st in Mumbai
 - Design event - 9th
 - Overall rank - 28th
- FORMULA BHARAT 2017 - OVERALL RANK - 20th
- FORMULA BHARAT 2016 - OVERALL RANK - 22nd






- ✓ **1st team from Mumbai to participate in SAE INTERNATIONAL, at MARYLAND USA 2018.**
- ✓ **2nd AIR in virtual round in NEXUS MOTOR SPORTS, PUNE.**
- ✓ **10th AIR in SOLO DIRT RACE, at MEGA ATV 2019.**
- ✓ **15th AIR in DRAG RACE, at MEGA ATV2019.**
- ✓ **25th AIR in MEGA ATV2019.**
- ✓ **1st College and Team from India has been invited by BAJA SAE CHINA stood 4th in Design and most economic vehicle.**
- ✓ **Two of our students Mr. Shubham Mhapankar and Bhoumik Momaya got appointment as official Liaison officer for the events in China.**



booked under relevant sections of the Prevention of Corruption Act, an ACB officer said.

RISHWESH CHUGHARY AND PRAFUL SANKURDE/11 PHOTO

Engineering students rev up for race event in China

Padmja Sinha
- fact1.savesherstories.com

NAVI MUMBAI: Around 15 undergraduate engineering students from Lokmanya Tilak College of Engineering in Kopar Khairane, have developed an all-terrain vehicle with which they will represent India at Baja SAE China—the biggest intercollegiate racing event held among seven continents conducted by the Society of Automotive Engineers (SAE).

The goal of Baja SAE is to design, build and race off-road vehicles that can withstand the harshest elements of rough terrain.

Tilak engineering college will be first from India to participate in the event and compete among 150 colleges.

The college had earlier represented India in the USA leg of the same competition.

Around 16 students will travel to China on August 10 to participate in the event which is scheduled between August 13 and 16.

"It is a team effort and I am proud to say that we began from scratch and completed the work on time," said Ashish Upadhyay, third-year mechanical student and transmission lead of the team.

Students also expressed gratitude for the college's support.

"From designing to testing, the faculty helped us a lot and gave us inputs to better our design," he said.

Students have incurred a cost of ₹17 lakh in developing the vehicles. Their all-terrain vehicle can run on any surface at a speed of 30-40 km/hour and can travel on sand and water and could prove useful for military purposes.

"Each and every part of the vehicle has been designed and fabricated by team members. We are the first to build a carbon fibre drive axle, chemically bonded with aluminum UV yokes," said Nikesh Mhapankar, team captain.

"In the competition, all the parameters of the vehicle will be tested, which includes speed, endurance and most importantly, movement on all terrains," he said.

Mahapankar graduated from Tilak college but has been leading the team for the competition. "Designing is an intricate part and is time-consuming," said Mahapankar.

"There are a lot of similar vehicles, but the challenge was to make it different in terms of speed and precision. All parameters of the vehicle will be tested, including speed and endurance," he added.

■ The vehicle developed by students of Lokmanya Tilak Engineering College, Kopar Khairane, can run on any surface at a speed of 30-40km/hour. The racing event is from August 13 to 16. BACHCHAN KUMAR/NT

Mumbai

Follow the link for excitement:-

<https://www.youtube.com/watch?v=GRuQcdkbAEo&t=11s>

Thank you.

Prof. Ajay Kashikar

Faculty Advisor, SAE collegiate club

L T College of Engineering, Navi Mumbai.