

SAEINDIA MMCOE Collegiate Club

SAE Stands for the Society of Automotive Engineers and SAE India is an alliance partner of SAE international registered in India. It is a non-profit engineering and scientific society which was established in Chennai in the year 2002. It was dedicated solely for the advancement of the mobility industry in India.

In our MMCOE, Karvenagar, Pune, the SAEINDIA MMCOE Collegiate Club was established in the Year 2013.

SAE India organizes many nationwide events such as BAJA, Supra, Efficycle and others. Our institute participates in the events BAJA, Supra and Efficycle every year and emerged as leading institute in these events at National and International level.

About BAJA Event

The BAJA SAE Series is an event for the undergraduate engineering students, organized globally by the Society of Automotive Engineers, USA. The event originated in the name of Mini - BAJA, in the year 1976 at University of Carolina. Since then, the event has spanned across six countries – USA, Mexico, South Africa, Korea, Brazil and India.

The BAJA SAE tasks the students to design, fabricate and validate a single seater four - wheeled off road vehicle to take part in series of events spread over a course of 3 days that test the vehicle for the sound engineering practices that have gone into it, the agility of the vehicle in terms of gradability, speed, acceleration and maneuverability characteristics and finally its ability to endure that back breaking durability test.

Several factors contribute to making a winning buggy. First and foremost the buggy has to meet the strict specification of the rule book. The evaluation process for the BAJA SAEINDIA is a twofold process and students have to clear the Virtual Baja preliminary round before they start manufacturing their buggy's for the main events.

The teams are judged on six main parameters in the Virtual BAJA event which are – their knowledge of the rule book, the design of the vehicle, the project plan, the design methodology and the design evaluation plan.

The evaluation process in the main event is a different ball game altogether and the students finally got to showcase their finished buggy's to the judges. In the static tests the buggy's are evaluated on various factors such as cost, aesthetics and the quality of the fabrication. There are also many dynamic tests such as acceleration, braking, maneuverability over all terrain and a hill climb test. But none of these tests are more grueling than the endurance race where the drivers and buggy's are pushed to their limits till a winner emerges.

International ‘SAE BAJA ARIZONA 2020’ held at Tucson, USA	
Achievements	Virtual Round 1) Overall International Rank - 25 2) Design International Rank - 21 3) Sales International Rank - 23
Faculty Advisor	Dr. K. R. Patil
Captain	Mr. Amogh Datar
Vice- Captain	1) Mr. Parth Pendse 2) Ms. Preeti Pawaskar
Driver	Mr. Ish Nagarkar, Mr. Ruturaj Vedante

BAJA 2020	
Achievements	1) Suspension and Traction Award, Runner up (Trophy and Cash Rs. 40,000/-) 2) Go Green Event, Runner up 3) Endurance Rank - 5 3) All India Rank - 4 ▪ Dr. K. R. Patil has been honoured with National Level ‘Dronacharya Award’.
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. S. G. Kale
Captain	Mr. Amogh Datar
Vice- Captain	1) Mr. Parth Pendse, 2) Ms. Preeti Pawaskar
Driver	1) Mr. Atharva Jagtap, 2) Mr. Ish Nagarkar

BAJA 2019	
Achievements	1) Design Evaluation Award, Runner up 2) Winner Overall Static Events 3) Endurance - 10 4) All India Rank - 12
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. R. P. Tadakhe
Captain	Mr. Keval More
Vice- Captain	Ms. Shivani Deshmukh
Driver	1) Mr. Prajwal Punde, 2) Mr. Atharv Jagtap

BAJA 2018	
Achievements	1) Design Evaluation Award, Winner, (Trophy and Cash Rs. 60,000/-) 2) All India Rank - 9
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. R. P. Tadakhe
Captain	Mr. Akshay Chavan

Vice- Captain	Mr. Aditya Kokate
Driver	1) Mr. Aditya Kokate, 2) Mr. Atharv Raverkar

BAJA 2017	
Achievements	All India Rank - 14
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. A. D. Desale
Captain	Mr. Akshay Todkar
Vice- Captain	1) Ms. Samiksha Patil, 2) Mr. Yaseer Sayed
Driver	1) Mr. Aditya Kokate, 2) Mr. Yaseer Sayed

BAJA 2016	
Achievements	1) GO Green Award, Runner up (Trophy and Cash Rs. 40,000/-) 2) All India Rank - 32
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. A. D. Desale
Captain	Mr. Rohan Gugale
Vice- Captain	Mr. Gaurav Joshi
Driver	1) Mr. Rohan Gugale, 2) Mr. Kedar Rajpathak

BAJA 2015	
Achievements	All India Rank - 11
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. A. D. Desale
Captain	Mr. Rushikesh Maheshwari
Vice- Captain	Mr. Rohan Gugale
Driver	1) Mr. Rohan Gugale, 2) Mr. Shantanu Pandit

BAJA 2014	
Achievements	1) All India Rank - 13 2) 1 st Position as Debut Team
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. A. D. Desale
Captain	Mr. Rohit Patil
Vice- Captain	Mr. Rushikesh Maheshwari
Driver	1) Mr. Rohan Gugale, 2) Mr. Omkar Patil

Glimpses of BAJA Events:







Team Abhedya from Marathawada Mitra Mandal's COE sets sights on Arizona

■ SANJAY JADHAV
@sanjay7jadhav

PUNE: After one of the most thrilling off-roading experience at the 13th edition of BAJA SAEINDIA 2020 which took place at Pithampur near Indore recently, Team Ab-



hedya from Marathawada Mitra Mandal's College Of Engineering are gearing up for international BAJA event which will be held in Arizona from April 16 to 19.

The team has started preparations for the same and are looking forward to the event.

Sakal Times spoke to Sa-



HIGH HOPES: Team Abhedya from Marathawada Mitra Mandal's College Of Engineering pose with their ATV.

hil Samant from Team Abhedya who threw light on their preparations for the international event and their run at the just concluded BAJA SAEINDIA event.

"We started our preparations for international BAJA, even before we registered for the event. We designed our vehicle which would satisfy both SAEINDIA BAJA rule-

book as well as SAEINTERNATIONAL BAJA rulebook. Over the season we have identified various areas for improvement and now that the season is over, we look

forward to work on that," Saahil informed.

"It's been just a couple of days since the Indore event concluded and after bagging the runner-up award for Sus-

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Engineering is not just about earning knowledge but also applying it in real life. A national level competition like BAJA is an excellent platform which gives all the budding engineers an opportunity to showcase their capabilities. From two years of my experience, I can say, it gives me immense pride and pleasure to see our efforts and hard work transform into this remarkable creation of ours.

— Saahil Samant, Team Abhedya

pension and Traction event, the team is motivated to win more such awards in the international event," Saahil added.

When asked whether they have set any target for the international event, Saahil said "Who doesn't like to win all the awards. The thought of winning is quite exciting and we will try to dominate the event, performing at our

maximum capabilities. With increased expectations, we look forward to bettering our static as well as dynamic performance. Team Abhedya considers it a responsibility to make India proud and we are sure we will be successful in doing so."

Sharing about the experience in the just concluded BAJA SAEINDIA 2020, Saahil said "This year's endur-

ance was much challenging compared to the past years. The commentator even mentioned that Car No 116 is being fearlessly driven by Atharva Jagtap. The event taught us a lot and helped us improve at every step throughout the event. And inspired us to do much better in the upcoming events."

When quizzed about who were their toughest opponents, Saahil was quick to say "This year, the performance of every team was exceptional. Every team had raised their bar and were determined to bag the championship. To name a few, Team Predators, Team Nemesis, Team Piranha, Team Helios were considered as our toughest opponents. Due to the past results, we were on the lookout for such top performing teams."

बाहा स्पर्धेत महाविद्यालयांची दमदार कामगिरी

सोसायटी ऑफ ऑटोमोटिव्ह इंजिनिअर्सतर्फे (एसएई) पितम्पूर येथे झालेल्या बाहा स्पर्धेत पुणे आणि परिसरातील महाविद्यालयांनी दमदार कामगिरी केली. आकुर्डीच्या डॉ. डी वाय. पाटील अभियांत्रिकी महाविद्यालयाने प्रथम पारितोषिक पटकावले.

महाविद्यालयाच्या प्रिडिक्टर्स या संघाने ही कामगिरी केली. संकेत राऊटच्या नेतृत्वाखालील या संघात प्रणव खाटेकर, अपूर्वा महिंद, सौरव इंगळे, तेजस धाकटे, विशाखा कोटकर, ऋग्वेद बोपडीकर, अंशुल गुप्ता, श्रीकांत नखते, केविन भोसले, विपुल जाधव, पृथ्वीराज शिंदे, अलीअब्दुल फज्जद, नील कापडे, प्रतीक बिराजदार, वेदान्त कुलकर्णी, मृणाल दौडकर, मृणाल आगडे यांचा सहभाग होता.

मराठवाडा मित्रमंडळ अभियांत्रिकी महाविद्यालयाच्या अभेद्य या संघाने चौथा क्रमांक पटकावला. महाविद्यालयाचे डॉ. आर. के. पाटील यांना ट्रॉफीचा पुरस्काराने सन्मानित करण्यात आले.

लोकासत्ता

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<https://epaper.loksatta.com>



About SUPRA Event:

The SUPRA SAEINDIA, India's biggest formula student competition which is held every year in the month of JUNE on the Formula 1 track at Buddh International Circuit in Greater Noida. SUPRA is being organized annually by SAEINDIA with the support of Maruti Suzuki, the event provides a platform for students to apply their engineering skills to design and construct a Formula category vehicle as per defined performance and safety specifications. SUPRA SAEINDIA comprised of a series of Static and Dynamic events spread over five days, concluding with a final Endurance run and a valedictory function.

Static Events Includes:

- Marketing Presentation
- Engineering Design
- Cost Evaluation

Dynamic Events Includes:

- Acceleration Event
- Skid-Pad Event
- Autocross Event
- Endurance

The SUPRA SAEINDIA events consists a total of 1000 points distributed evenly in the different static and dynamic events.

Every Year, MMCOE's SUPRA team named TEAM ABHEDYA RACERS, a team of 25 students is selected by conducting 1) Written test 2) Personal Interview.

SUPRA 2020	
Achievements	Event cancelled due to COVID-19.
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. A. D. Desale
Captain	Mr. Akash Ropalekar
Vice- Captain	1) Mr. Ameya Mote, 2) Mr. Mandar Malwadkar
Driver	Mr. Mandar Malwadkar

SUPRA 2019	
Achievements	1) Acceleration Award, Runner up (Trophy and Cash Rs. 20,000/-) 2) All India Rank - 14 ▪ Dr. K. R. Patil has been honoured with National Level ‘Dronacharya Award’.
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. A. D. Desale
Captain	Mr. Rhushikesh Bhosale
Vice- Captain	Mr. Sameer Maniyar
Driver	1) Mr. Kunal Bhamare, 2) Mr. Amod Raut

SUPRA 2018	
Achievements	All India Rank – 24
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. A. D. Desale
Captain	Mr. Digvijay Shinde
Vice- Captain	1) Mr. Rhushikesh Bhosale, 2) Mr. Akib Attar
Driver	1) Mr. Omkar Salunke, 2) Mr. Devavrat Pohnerkar

SUPRA 2017	
Achievements	All India Rank – 28
Faculty Advisor	1) Dr. K. R. Patil, 2) Prof. A. D. Desale
Captain	Mr. Gaurav Joshi
Vice- Captain	Mr. Indrajit Patil
Driver	1) Mr. Tanmay Khambkr, 2) Mr. Sumit Polas

Glimpses of SUPRA Events:





About Efficycle Event:

Effi-cycle is a term derived from an efficient cycle. It is one of the events organized by SAEINDIA for degree seeking undergraduate or graduate students in the same college, institute or University situated in India. This event started in the year 2010 with an objective of providing an opportunity for the students, to explore the "Environment friendly and Economical" solutions for the day to day mobility needs of people. It encourages students to design and fabricate a three wheel configuration vehicle, capable of seating two passengers and powered by human and Electric-hybrid power.

Team Achilles participates in SAENIS Efficycle. We started our journey in 2016 under the captaincy of Mitesh Rasal. Our First year of participation turned out to be better than expected. Even though we got an all India rank of 32, we learned a lot of new things and also established healthy relations with other teams. In 2017 we achieved an all India rank of 6 with 3rd position in endurance. However in 2018 our AIR dropped to 42 and we couldn't even clear the figure of 8 test. But while taking part in such an event one needs to be prepared for all the ups and downs and in such a scenario a team needs to hold it together and rise up. Moving on to 2019, after some massive changes in our team and working strategies, our AIR came back to 6th and on top of this we also received 5 awards!

Efficycle 2020 (Conventional)	
Achievements	On going
Faculty Advisor	Prof. P. S. Khade
Captain	Mr. Aditya Waghire
Vice-Captain	Mr. Rahul Tak

Efficycle 2020 (Advance)	
Achievements	On going
Faculty Advisor	Prof. B, B. Bhure
Captain	Mr. Shubham Khairnar
Vice-Captain	Mr. Atharv Mule

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Efficycle 2019	
Achievements	1) Acceleration Award – Winner 2) CAE Award – Winner 3) Gradient Simulator – Winner 4) Cost Award – Runner Up 5) Design Award – Runner Up 6) All India rank – 6
Faculty Advisor	1) Prof. P. S. Khade, 2) Prof. A. M. Suryawanshi
Captain	Mr. Shubham Khairnar
Drivers	1) Mr. Sumedh Boralkar, 2) Mr. Omkar Shejwal

Efficycle 2018	
Achievements	All India Rank - 42
Faculty Advisor	1) Prof. P. S. Khade 2) Prof. A. M. Suryawanshi
Captain	Mr. Rutuved Joshi
Drivers	1) Mr. Kishan Patel, 2) Mr. Sidhhant Kunkerkar

Efficycle 2017	
Achievements	All India Rank - 6
Faculty Advisor	1. Dr. K. R. Patil, 2. Prof. V. A. Mali
Captain	Mr. Sumit Chalak
Drivers	1) Mr. Karan Paigude, 2) Mr. Saurabh Deokar

Efficycle 2016	
Achievements	All India Rank - 32
Faculty Advisor	1. Dr. K. R. Patil, 2. Prof. H. C. Pisal
Captain	Mr. Mitesh Rasal
Drivers	1) Mr. Mitesh Rasal, 2) Mr. Satish Thangaraj

Glimpses of Efficycle Events:



