

Event Description and Photos

E-Vehicle Club

E-Bike (Gavisti)- Asian E bike Challenge

E-bike Challenge is an eco-friendly venture based upon Engineering design and manufacturing of Electric bike completely by the students. The main aim of the event is to generate the interest of the student in the field of eco-bikes, and to bring a new revolution in the field of biking, which can be commercialized as a usable product for the future generation. Beside the comprehensive knowledge of manufacturing and fabricating a single seated DC motor driven vehicle to maneuver on all types of terrains.

This will help them face real-world engineering design projects and other related challenges. Our focus to develop interest among the engineering student towards alternative power sources, those are the future of Automobiles. This can enhance their practical skills as well as learn team management, so our engineering student will avail to face any hurdles in the way of real engineering.

Our Team Gavisti has been participating in these events for the past 2 years and have won **Overall championship** with a cash prize of **50,000** for the year 2019 in the event organized by AMT Moto Corp and held at SRM University, Chennai, Tamil Nadu from 22nd to 24th January 2019. Apart from the overall championship, our team also secured the following awards:

- ✓ First in Endurance (with a cash prize of **7,000**)
- ✓ First in Brake Test
- ✓ First in Acceleration Test
- ✓ First on Autocross

Our team has also won the **Best Commercial Bike award** for the year 2019 and **Best Design, Best Low Cost and Best Captain Awards** for the year 2018 in the Asian e-Bike challenge organized by Imagine to Innovate.



Formula Vehicle Club

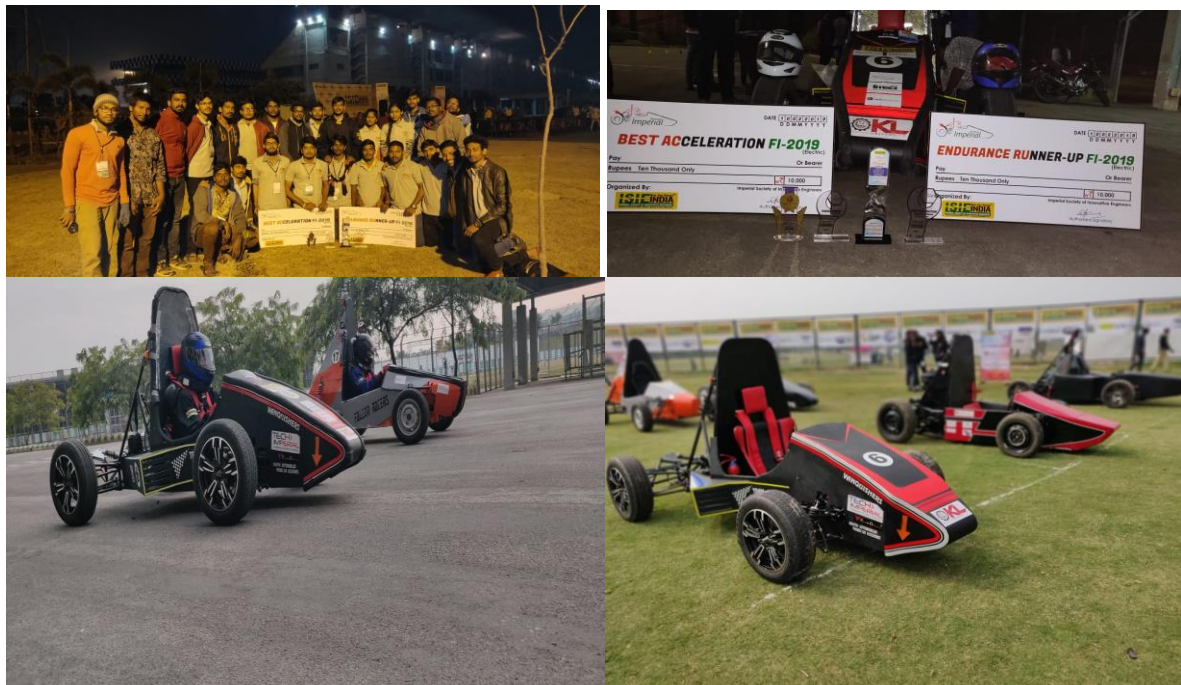
Hybrid Vehicle Challenge (HVC)

It is a student formula style vehicle design and manufacturing event. The objective of the challenge is to design and fabricate a hybrid vehicle or an electric vehicle under event design restrictions to give the chance to students demonstrate and prove their creativity and their engineering skills in comparison to teams from other universities or colleges around Asia. Teams are required with electric motor to run their vehicle, which is called hybrid formula vehicle or a vehicle that is charged from an electric source and propelled by electric drive only, which is called electric formula vehicle.

Our Team Vanquishers has been participating in this event for the past 4 years and have won the Best Acceleration Award with a cash prize of ₹10,000, Runner-up in Endurance with a cash prize of ₹10,000 and Award of Recognition for commendable Design of Hybrid Vehicle and good team work for the year 2019 and Best Design Award for the year 2016 in the annual event organized by Imperial Society for Innovative Engineers and held at Buddh International Circuit, Greater Noida.

Our Team Vanquishers has also won Overall Championship with a prize money of ₹1,00,000, Best in B-Plan and Cost, Best in Cross Pad and Best in Endurance in Formula category of Champion of Champions Season – 1 organized by ISIE India and held at K L Deemed to be University between 22nd and 24th February 2019.

HVC Delhi (ISIE)



COC KLU (ISIE)



Formula Bharat

Formula Bharat is an engineering design competition in which students from colleges and universities all over the country, compete with a life-size Formula-style vehicle in areas of engineering design, overall cost, marketability and dynamic performance. The series replicates the global student Formula series hosted in around 11 countries per year.

The purpose of this competition is to encourage students to gain hands-on practical experience, while applying engineering theories studied in the classroom. In addition, students learn the art of management and teamwork, which are essential skills required in the 'real-world'. These student teams are required to build a new vehicle from scratch year-after-year and seek sponsorship and donations by their own means to fund the project.

Our team Kriento Racers have been participating in these finals of this annual event, which is held at Kari Motor Speedway in Coimbatore, Tamil Nadu for the past 3 years where on an average 70 teams participate every year and have been steadily improving our final position.



ASME Club

Human Powered Vehicle Challenge (HPVC) organized by ASME:

ASME's international Human Powered Vehicle Challenge (HPVC) provides an opportunity for students to demonstrate the application of sound engineering design principles in the development of sustainable and practical transportation alternatives. In the HPVC, students work in teams to design and build efficient, highly engineered vehicles for everyday use—from commuting to work, to carrying goods to market.

Our students have been participating in this event for the past several years and have been steadily improving their performance in a highly competitive environment. We had one team participate in the event for the year 2019 held at VIT, Vellore where we finished 5th overall out of 40 participating teams, one team participate in the event for the year 2018 held at Delhi Technological University, New Delhi where we finished 8th overall out of 40 participating teams, Three teams participate in the event for the year 2017 held at LNMIIT, and two teams participate in the event for the year 2015 held at VIT, Vellore where we finished 14th and 15th overall out of 42 participating teams.



Go Kart Club

Go-Kart Challenge:

It is Student Go-Kart design and manufacturing competition. Engineering /Diploma student from all over India register their team and compete with another team in the different round of the event. IKR is a contest formulated to enhance the approach of students practicing Engineering and Diploma courses. This competition is held and organized by a highly professional organizing committee and marshal, scrutinizer from different reputed Motorsport organizations and automobile industries.

The objective of this event is to promote Motorsports as a profession in India, Passion, Creativity, Innovation and practical approach based technical skill in engineering/diploma students.

Our Team Sangfroid has been participating in this event for the past 3 years and have won the Future Award with a cash prize of ₹50,000 for the years 2018 and 2019 and also the Spirit Award for the year 2019, finished 3rd in Skip Pad test and 6th in Endurance test for the year 2016 in the annual event organized by Imperial Society for Innovative Engineers and held at Buddh International Circuit, Greater Noida.



Off-Road Vehicle Club

An **all-terrain vehicle (ATV)**, also known as a quad, three-wheeler, four-track, four-wheeler, or quadricycle, as defined by the American National Standards Institute (ANSI) is a **vehicle** that travels on low-pressure tires, with a seat that is straddled by the operator, along with handlebars for steering control. This is student level off road quad bike design challenge. ATV is a design challenge where all the participating teams should have high knowledge and exposure on designing and fabricating an ATV. Both the educational experts and organizing committee ride on massive experience under their belt. Designing an ATV is a very daunting task and you need a hand on experience to design an ATV keeping in mind all the various factors that come under way in the dynamic behavior that vehicle manifests. This project will last for 8-10 months. Teams will start manufacturing their vehicle as soon as they are registered for the event.

This design challenge is a limited entry contest. Up to 50 teams from different universities will be attending to take part in this design challenge. Our students team Unblockabulls has been participating in this event for the past several years and have been steadily improving their performance in a highly competitive environment.

