



Introduction:

IMPERIAL SOCIETY OF INNOVATIVE ENGINEERS (ISIE) is the most popular and favorite Motorsports, Education and Research Publication organization in India. ISIE has become the epicentre of green energy concepts & innovation development in India. ISIE motivate people (Engineers+Future Engineers) to work on new and Renewable sources of Energy and give the platform to new start-ups, innovative ideas and passionate people, who really want to contribute to Nation Building.

Imperial Society of innovative Engineers (ISIE India) has been involved in novel concept of getting young students, innovators and academicians involved in the mobility solutions of the country involving solar and electric power for different application. They are providing support to large number of engineering students who would be ready for developments in the country as soon as they come out of their institutions.

Focus of ISIE

Green Mobility: Green Mobility is a solution to environmental degradation e.g. Emission, Depletion of Non-Renewable Resources etc.

Innovation and Creativity: We believe in innovation, new ideas, devices or new methods for upcoming eco-friendly technology development.

Youth Empowerment: Youth Empowerment is must make India a Skilled & Solar Powered country. Promoting a sustainable future and a cleaner environment is very much important. At ISIEINDIA we believe in doing our bit for the environment. Driving is a part of our daily routine, and we plan to make it eco-friendly.

Objective of the Event

The objective of the competition is to design and fabricate a hybrid Vehicle or an electric vehicle under ISIE INDIA (Imperial Society of Innovative Engineers) Design restriction so as to give the chance to students to demonstrate and prove their creativity and their engineering skills in comparison to teams from other universities or colleges around the Asia. India's First and Biggest Formula Event-4th Hybrid vehicle challenge which includes 30+ Judges from known Industries and 50 Teams from NITs, Universities and Colleges of 19 states of India.

Organizers

Imperial Society of Innovative Engineers (An ISO 9001:2008, Accredited with MSME, SFI Foundation, FMSCI (Ministry of Sports) and supported by Earth Day Network, USA) and Recommended by Ministry of New and Renewable Energy, MNRE, Govt. of India organizing India's First and Biggest Formula Event-4th Hybrid vehicle challenge.

OCTAVIUS- Formula Electric Vehicle

- Team OCTAVIUS is an interdisciplinary team of 32 innovative and enthusiastic minds from “Department of Mechanical Engineering” including students from Electrical engineering and Electronics & communication engineering of JSS Academy of Technical Education, NOIDA”.
- The team has a simple goal of making the Best Formula Vehicle possible within the guidelines set by Event Organizers “ISIE (Imperial Society of Innovative Engineers)” while remaining within a fixed budget that is self-funded by team members.
- This year team has fabricated an Electric Vehicle powered through Lithium ion batteries and driven by a 6kW motor. The electric vehicle is known for its design and innovations.
- The team is frequently having brain storming sessions to make sure that the team members should understand the problems which come across while fabricating the electric car & also encouraged to give suggestions, innovations or new ideas to help in improving the team and the vehicles performance.

Date & Venue :

Virtual Round: 20th August 2017, Mangalmay university, Greater Noida.

Dynamic Round: 17 - 21 January 2018

Venue: 17th -19th January 2018, Galgotias University, Greater Noida.

20th - 21st January 2018 , Buddh International Circuit, Yamuna express way , Greater Noida.

ACHIEVEMENTS:

- **VIRTUAL ROUND:** - 1st in North India, 8th all over India.
- **DYNAMIC ROUND:** - 1st all over India in ELECTRIC category of HVC-18.

AWARDS:

1. **BEST ELECTRIC HVC 2017-18 (Rs 5,000)**
2. **BEST ACCELERATION - ELECTRIC HVC 2017-18 (Rs 10,000)**
3. **BEST CROSS PAD - ELECTRIC HVC 2017-18 (Rs 10,000)**
4. **BEST ENDURANCE - ELECTRIC HVC 2017-18 (Rs 10,000)**
5. **ISIE FUTURE AWARD HVC 2017-18 (WRs 1,00,000)**

6. Photographs of the event

SARANG from OCTAVIUS







