

Student Projects:

National Level Competitions:

1. EFFICYCLE 2014

Team Name: Astra

Event Organized By:

University of Engineering Chandigarh & SAE India Northern Section

Name of the Event: SAE NIS EFFICYCLE

Date of Participation: 10thOctober 2014

Technical Details:

“EFFI-CYCLE” derived from Efficient-Cycle promotes the objective of providing opportunity to the students to conceive, design and fabricate a three wheel configuration vehicle powered by human-electric hybrid power and capable of seating two passengers catering to the day to day mobility needs. The vehicle must be aerodynamic, engineered for performance & safe and ergonomically designed. The objective is to promote innovation and generate consciousness amongst young engineers towards environment friendly mobility solution. The vehicle should be capable to be driven simultaneously as well as alternatively by two drivers and also by electric drive.

Cost of Vehicle:

The project is estimated to cost 60,000/-INR.

College Sponsored Amount:50,000/-INR.





Ranking Statistics:

Position in Dynamic Round: 45 out of 86 teams

Faculty Advisors:

Mr. M. Ravi Kumar (Assistant Prof. MED) & Mr. Pandarinath Mongolla (Assistant Prof.AED)

Team Members: B.E(3/4,4/4)Mech& Auto Students

Nikhil.K, Sirjan Singh, Karthik Sharma, Nagraj, Sawan Upadhyay, Solomon Raj, Ch. Rajesh, Dheeraj, D. Madhuri, Swathi, Sandeep Reddy

2. GOKART 2014:

Team Name: Trail Blazers

Technical Details: The team conceives vision, designs and fabricates a Go-kart propelled by a 125cc petrol engine according to the rules set by the event organizing committee. The Go-kart boasts a distinct and an aesthetically pleasing aerodynamic chassis frame backed up with an efficient braking and steering system. The kart can touch maximum speed of 90kmph with such an ease.

Features of the Kart: The kart has an adjustable steering mechanism in conjunction with self-straightening effect of the steering wheel. Another innovative approach was to

incorporate clutch lever to the transmission gear rod which enables the driver to control clutching and transmission at the same time. Dual kill switches have been added, one is used by driver and other gets activated in case of brake failure.

Cost of Vehicle:

The project is estimated to cost 1.2 Lakhs

Event Organized By:

The event venue – Kari Motor Race Track, Coimbatore, Tamil Nadu

The event organizing body-ISIE (Indian Society of Innovative Engineers)

Ranking Statistics:

At the event the team cleared all the successive dynamic rounds at its very first attempt itself successfully.

Team Trail blazers is ranked 14th all over India and stands first all over Telangana-Andhra region.

Faculty Advisors-

Dr.G. Venkata Subbaiah (Associate Prof. AED) Mr. A. Gnan Reddy (Assistant Prof. AED)

Team: B.E (3/4) Mech & Auto Students

Amal Ganesh, P Vinay Raj, Kishore Manda, Pooja Yammanur, Chandrababu Janega, Sudhachandra Masna, Vinay Raj, G Vamshi Bhargav, Karanja Akhil, K Joseph Daniel, Joshi Vishwadeep, Akash Ramesh Chukabotlawar, Praneeth Tagaram, Rohit Raman Srivastav, Zubair Mohammed, G Vinod Kumar, T Nagendra Babu, M Harish Kumar, J Lokesh, Vijaya Ram Prasad, Srikanth Reddy, Rajasekhar Reddy B, P Rajinikanth, Nithin G Thomas



3. SAE SUPRA 2015



Team Name: Ampere Motorsport

Technical Details:

Ampere Motorsport India, a group of 15 students from Automobile Engineering department, have participated in SupraSAE India 2015, the most challenging student competition in India organised by SAEINDIA, a subsidiary of SAE (Society of Automobile Engineers, U.S.A). We have made an attempt to redefine the standards of the competition by incorporating an AWD system, the first of the competition, to reflect our views about vehicle dynamics in direction of Perfection through Balance. The vehicle, according to design, has the capability to reach 116Km/h.

Cost of Vehicle:

The project is estimated to cost 10.29 lakhs.

College Sponsored Amount: 2.75 lakh

Event Organized By:

SupraSAE India is organised by SAEINDIA, a subsidiary of SAE (Society of Automobile Engineers, U.S.A).

The Virtual Round of the event took place during the second week of January 2015.

Ranking Statistics:

Ampere Motorsport India has achieved an overall virtual rank of 26 out of 170 participating teams and is ranked No.1 in the Telangana-Andhra region.

Faculty Advisors:

Dr.G. VenkataSubbaiah (Associate Prof.AED) Mr.Pandarinath Mongolla (Assistant Prof.AED)

Team: B.E (2/4 &3/4) Auto Students

Abhinav, Abhishek Mosalikanti, DewwaKakkar, Krishnapriya Vishnubhotla, Manidha Chary, PhaneendraPeri, Raviteja Reddy Chinthala, Sai Chander, SreeramPeddi, Sai Srihitha, srikrishna Reddy, Sudeepth Varma, Sukhdeep SinghToor, Vamshi Krishna Dasari, Varshith Reddy

Other Activities

Students of 2009-2010 batch participated in the National Level competition for the SAE BAJA 2010 event, held at NATRAX, Pithampur, Indore and Madhya Pradesh.



Students of 2012-2013 batch participated in the National Level competition for the EcoCart-2013-14, held at Gautam Buddha University, Greater Noida



STUDENT PROJECT WORKS:

In house fabrication projects during 2014-15:

1. Development of Torison Rig-High Torque and Low Speed Applications



2. Design and Fabrication of IC Engine Test Ring and Performance Evaluation Of Petrol Ethanol Blends



3. Design, Analysis and Fabrication of Monowheel



4. Design and Fabrication of Hybrid Bike



5. Design and Fabrication of Electrical Personal Transportation Vehicle



6. Design and Fabrication of Hybrid Car



7. Design, Analysis and Fabrication of Composite Disc Brake



8. Development of Shaft Driven Bicycle



9. Design and Fabrication of Domestic Pulverizer for Bio- Degradable Waste



5K Run for Road Safety:

The Automobile engineering department of MVSR Engineering College organized "5K run for road safety" on Necklace road on 2nd Jan 2015, as a part of Road safety Week observed during 2-8 January 2015.

About 1500 students from MVSR Engineering College and Matrusri Engineering College participated in the 5K Run. First, Second and Third prizes were given in the categories of student-boys, student-girls, staff-gents, staff-women and outsiders. The event was a great success.

