

## ACHIEVEMENTS OF MECHANICAL ENGINEERING STUDENTS

### || 2014-2013 ||

- 49th annual conference on aerodynamics, Lille, France, 2014

A student from GBU participated in aerodynamic design and fabrication Fuel cell based vehicle. He has collaborated with two institutions and finally successful to get his the summer internship in the prestigious *Bayerische Motoren Werke AG (BMW)*, Germany for development of his innovative ideas. Student: Sachin Mishra

- Shell Eco Marathon Asia 2014

A team of students from GBU manufactured India's First Hydrogen Fuel Cell Powered vehicle to participate in design and fabrication competition of Shell Eco Marathon Asia 2014 in Manila, Philippines on 6th to 9th Feb, 2014 representing India under Hydrogen fuel category.

- Eco- Kart 2014: A SAE India GBU Collegiate Club initiative

GBU organized two rounds of competition for design and Fabricate a single passenger kart which is operated by a Motor AC or DC, where Source of running the motor is a battery as Eco kart 2014. A total of 56 teams from all over INDIA have been participated in the design round and 33 teams have been participated in the dynamic round held from Feb5-Feb7, 2014.

- Boat Wars 2014: A SAE India GBU Collegiate Club initiative

To Enhance the interest of the students in marine vehicles, GBU organized two rounds of competition for design and Fabrication of a remote controlled IC Engine boat race competition as Boat wars 2014. A total of 21 teams from GBU have been participated in the design round and 08 teams have been participated in the dynamic round held on Feb 22, 2014.

- PASSION FOR INNOVATION 2014

The team from GBU won the contest and was Ranked Second among 23 teams from all over India in the national level competition organized by CII, ACMA and SIAM held at Auto Expo 2014 – The Components Show held at Pragati Maidan, New Delhi from

6<sup>th</sup> to 9<sup>th</sup> February, 2014. Participants: Ankit Verma, Manish Nair, Anuj Gupta and Sachin Kumar Gupta.

- NATIONAL TECHNOLOGY AWARENESS CAMPAIGN 2013

25 students from North India participated in the 7 day winter industrial internship programme from 19<sup>th</sup> to 25<sup>th</sup> January, 2014. Organizing Committee: Anuj Gupta, Sahil Garg, Ankit Verma, Manish Nair and Ravi Ratna. Participants from our university were Prateek Saxena, Shubhendu, Avinash Pandey and Shantanu Reddy.

- SAE NIS EFFICYCLE 2013

4 teams participated in the Virtual Round from our university among 210 teams registered from all over India. A team, Fanaticus was selected for Dynamic Round among 90 teams and ranked 36 from all over India. The event was held at UIET, Punjab. Team Members: Anuj Gupta (C), Sachin Kumar Gupta, Ankit Verma, Manish Nair, Adarsh Kumar Raghav, Amit Kumar Maurya, Ajay Kumar, Bhavyanidhi Vats and Neha Priyadarshi.

- MICAV 2013

National Programme on Micro Air Vehicle (NPMICAV), a joint initiative of Defense Research and Development Organization (DRDO) and Department of Science and Technology (DST). A team of students from GBU was Selected for MICAV 2013 competition for developing a Flapping Wing Type Micro Air Vehicle. Students are: Sachin Mishra and Sahil Garg.

- ISNEE NGKC 2013 VIRUAL ROUND

The virtual round of the National Go Kart Championship 2013 was held at GBU from 23<sup>rd</sup> to 25<sup>th</sup> June, 2013 organized by students. Besides, 2 teams participated in the event. Organizing Committee: Sachin Kumar Gupta (State Representative) , Anuj Gupta, Ankit Verma, Amit Kumar Maurya, Manish Nair, Adarsh Kumar Raghav, Satendra Chauhan and Vikram.

## || 2013-2012 ||

- NATIONAL GO KART CHAMPIONSHIP 2012

3 teams from GBU participated in the Virtual Round and 2 teams were selected in the Dynamic Round. The event was held at Lovely Professional University, Punjab.

- AUTODESK INVENTOR STUDENT DESIGN CONTEST, 2012

One team from GBU participated in the national level competition held at IIT Delhi. Participating Members - Sachin Kumar Gupta, Manish Nair, Manish Tomar.

- SAE NIS EFFICYCLE 2012

Two teams participated in the Virtual Round from GBU among 123 teams registered from all over India. A team, Vajrayana was selected for Dynamic Round among 60 teams and ranked 46 from all over India. The event was held at UIET, Punjab. Team Members: Sachin Mishra (C), Sachin Kumar Gupta, Varun Sharma, Arjit Saxena, Waris Nawaz Khan, Namit Mishra, Rajat Kushwaha and Aanchal Yadav.

## || 2012-2011 ||

- AUTODESK STUDENT EXPERT PROGRAMME, 2011

11 teams from GBU participated in the certification course held in the university campus for the first time in India.

- AUTODESK INVENTOR STUDENT DESIGN CONTEST, 2011

Three teams from GBU participated in the national level competition held at IIT Madras, Chennai. Participating Members - Sachin Kumar Gupta, Shivam Gupta, Varun Sharma, Varun Chauhan, Arjit Saxena, Waris Nawaz Khan, Sachin Mishra.

- Design Competition of DST

Designed and developed an 'Abrasive Flow Machine', selected for Department of Science and Technology, Govt. of India. 2011. Design patented. Students are Sachin Mishra, Sachin Kumar Gupta, Shivam Gupta.