

SAEINDIAEnjoy
Learn and
align with Curriculum*October 2009***Student Convention****SAEINDIA NATIONAL STUDENT CONVENTION 2009**

The fourth SAEINDIA National Student Convention was held at Amrita School of Engineering, Ettimadai, Coimbatore, on 5th and 6th October, 2009. Every year, the SAE collegiate chapters get an opportunity to , discuss, display and celebrate their success in the last one year. This is also the occasion when the winners from the 7 zones meet and battle it out to find the best in the competitions held. This year's event saw active participation of over 900 students from 38 colleges.

The Inaugural function began with the presidential address by Brahmachari Abhayamrita Chaitanya, Pro Chancellor of Amrita Vishwa Vidyapeetham. The keynote address was given by Dr.Venkat Rangan, Vice Chancellor. Mr. Jacques Foulquier, Director and Vice President, Renault Nissan Technology and Business Centre, India was the Guest of Honour. In his address, he threw light the Global automotive scenario and its Indian context. He also briefed the students on the expectations of the automotive industry from students and educational institutions. Mr.S.Selvamani, Senior Vice President R&D of WABCO-TVS and the Chairman of the SAEINDIA Southern Section, addressed the students.

The first event was the Business Plan, with a team comprising of five students from a college. The teams had to put forth a proposal of a large private sector to explore growth avenues, trajectories and market-place opportunities, and chart a roadmap to envisage scalable business plans. Ideas presented varied from innovations in the textile industry to more effective tanning techniques to social causes like rural banking. The judges appreciated the effort of the participants (engineering students) for the bold display of their entrepreneurial ventures.

The Business Plan was followed by Auto Quiz which saw the support of a huge crowd like every year. An Analysis competition was held to understand the function of the part of a model for strength on static loading conditions, among teams of two. Static analysis was done using ANSYS and results were compared with theoretical calculations. In the CAM competition, students were asked to pick an automotive part and design the manufacturing process using Computer Aided Manufacturing. Teams comprising of two students were judged on the application of CAM, skill and innovation. The GSD event was based on prototyping and deployment of Graphical Systems. A linear model of the plant was to be developed and its running and controllability was to be showcased on a PC. Analysis and synthesis were also checked. These design and analysis events saw among many other interesting topics some like vibration analysis of a chassis of a car, steering system analysis and modifications and improvements in the existing disk brake system. 'Self-monitoring wheels' and 'Hybrid Mopeds' were some of the topics presented for the Technical Paper Presentation competition. The final event of the day was the Aero-modeling competition that was undertaken with immense enthusiasm. The concept was based on designing, fabricating and flying of aero models. Criteria for judgment were placed on fabricating a radio-controlled aero model and flying it successfully.

Day1 came to a close with the students of Amrita University showcasing their talents through various forms of dance and music. Renowned fusion violinist Shri Balabhaskar and his troupe mesmerized the audience next with his vibrating and purely scintillating fusion music performance.

Day 2 of the convention began with the informative Technology Theater, detailing students on the innovative technologies in the Automotive field through live satellite streaming. The topics and speakers include: 'Latest trend in NVH in Automobiles' by Dr. Pranab Saha, 'Brake technology' by WABCO and 'Energy management for Performance and Fuel Economy' by Mr.F.Canal of Renault Nissan. This was followed by a Club Presentation, showcasing the achievements, strengths and unique activities of various SAE collegiate chapters. The Club Display competition and Technology Theatre ran parallel at different venues. Various working mechanical models, presentations and charts were put on display. The BAJA ATV made by PSG Tech and a solar car manufactured by the students of Rajalakshmi Engineering College were displayed. A brief presentation on BAJA 2010 was also given. A presentation on the various Indian battle tanks, their specifications and testing was done by Combat Vehicles Research and Development Establishment (CVRDE). High Octane - a series of tests of knowledge, skill and attitude was held for the participants. It included competitions like quiz, computer gaming and reverse engineering. Over 70 teams participated with great vigour and made the event a grand success.

SAEISS Students Executive Council met and discussed the various aspects of running a collegiate club, ways to improve the SAE activities and also the new SEC members for the year 2009-2010 were nominated.

The convention was brought to a close in the valedictory function later in the evening. Vice chancellor Dr.P.Venkat Rangan delivered the Presidential address. Mr. P.P.R Rao, Executive Director of UCAL Fuel System Ltd was the Chief Guest of the day. Felicitation was done by Mr. S. Dhanabal, Business Development Manager of National Instruments. This was followed by the distribution of prizes and mementos and the Vote of Thanks by Mr. N Balasubramanian from SAEISS.

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