



SAE collegiate club of SRM University

SRM-SAE Collegiate Club was started in March '97. It was inaugurated by Mr. John Caskar and Mr. Murali M. Iyer of SAE International. The club is being run by the students under the guidance of Dr. M. Cheralathan, our SAE faculty advisor. Our collegiate club is one of the largest (**over 220 members**) and most active clubs in the Southern Section. A student representative from our college holds a seat in the **Student executive council** of the SAE India Southern Section

SAE Collegiate club of SRM university has organized several events. The first among these was **WHEELSPIN'99**. It was a one day symposium on the latest Technology in automation and Aerospace engineering. It was conducted on the 18th of January '99 under the guidance of Dr. T. R. Jagadeesan, Consultant, SAE Southern India Section. It had students from different colleges presenting their indigenous technical papers. A panel of five judges assessed the participants on various qualities like audio-visual clarity, innovation and originality, presentation skills, and their promptness in answering queries.

In the new millennium SAE Collegiate Club in association with IEEE student's branch of the then SRMEC organized **SILICON DIABLO-2000**. The term had been coined by joining two terms- Silicon, the solid state semi-conductor which is the chief component of electronic circuits; and Diablo, from the Lamborghini Diablo renowned for its acceleration, driving control, complexity and sophistication. As the name suggests, it was a symposium to converge the fields of Automobile Engineering and Electronics Engineering which have made a tremendous impact on the latest technologies. It consisted of 3 sub-events namely TECHNOCONVERGENCE-intended to bring out conceptual practical and intellectual capabilities of students through paper presentations, PREGMATICA++-aimed to test technical and experimental skills of the students with the help of model presentations, 'On the spot design contest'-in which presence of mind of the students was put to test. An auto show was conducted in which our in house students displayed small models and mini projects. Cash prize of Rs. 2000 and Rs.1000 was given to the winners of respective events.

SRMEC and The SAE India Southern Section conducted a national level competition, **FISH CART DESIGN CONTEST** on 13th January 2001. The Fish Cart is a vehicle used by the common man with appalling features and glaring technical snags. This event was conducted to find technical solutions to these problems. Students were asked to make a detailed study of the vehicle and conduct a survey about it. Then they had to design a Fish Cart which complied with the Motor Regulation Act indicating its manufacturing methods, assembly drawings and cost particulars. The students were judged on the basis of the following parameters- Safety of the vehicle, Vehicle weight, Manufacturing and operation costs, Emission Levels, Presentation, Design Innovations and Progress Reports. The competition consisted of two phases. One was report presentation and the other was testing the working model.

On the 30th and 31st January, 2003 a National Level Technical Symposium called

SYNCHROMESH was conducted under the auspices of SAE Collegiate Club and IEEE Student Branch of SRMEC. It served as a platform to portray the present talents to benefit future organizations. It consisted of 7 sub-events; H₂O-a design contest that was conducted to create awareness in innovations for utilizing hydrogen and design a system that can store and transport hydrogen for automotive applications, SCHEMA-an on the spot competition where students could decipher real life engineering problems and obtain a solution to them, BOT NAVIGATOR-it was conducted to bring out efficient utilization of robots as remote controlled SUVs, FLEX-I and FREIGHTER-these were the major crowd pulling events where the participants were asked to discuss future project engineering incorporating intelligent devices for tackling unforeseen problems, MECH COMMAND-It was plc/micro controller design contest where participants were asked to submit relevant topics and the original design of their working model. A technical quiz, YANTRA and the debate SAMVADAN added glory to the two day symposium.

The SAE Collegiate chapter of SRMEC had organized a design cum demo competition in 2004 for the in house students called **WHEELSPIN 04** wherein the contestants were asked to make a small toy car. A total of ten teams participated.

WHEEL SPIN '06, in continuance of the wheelspin series, was an intra school toy car fabrication contest that was conducted on 4th of October by SAE Collegiate club of SRM UNIVERSITY as a part of the drive to bring in enthusiasm among the new entrants of SAE. Seventeen teams participated in this event in which they had to give a paper presentation and a road test of their fabricated vehicles. The fabricated cars were subjected to a road test on a ramp specially designed by SAE members.

SAE Collegiate club of SRMIST and SAE India conducted a national level design and fabrication contest called **INNO-HAP'07**. INNO-HAP stands for innovative transportation for the handicap. Participating teams had to make a detailed study of the various existing modes of transportation available for the handicapped and subsequently design a new vehicle that can suit the needs and requirements of the physically challenged. The teams had to give a paper presentation and then conduct a road test of their fabricated vehicles.

In October 2007, the SAE Collegiate club of SRM UNIVERSITY organized a design and fabrication contest called **THEATRE OF WAR** that aimed at exposing budding engineers to design and fabrication. The main theme of the event was to design a model battle tank. A total of twelve teams participated in it. The performance was one of the main judging criteria along with marks for presentation, aesthetics and cost effectiveness. The guest of honor, **Mr.K.Giridharan**, a **scientist from CVRDE** (combat vehicle research and development) gave a lecture on the ARJUN battle tank and distributed the prizes to the winning teams.

In March 2008, our SAE collegiate club held an aero modeling workshop and **Air-show** conducted **Mr. Radha Kamallakharan**. He gave a lecture on the basics of aero modeling, followed by a brief explanation on the flying of model aircraft. He also conducted an aerobatics session in our college ground during the later part of the day.

The same month also witnessed an introductory level competition for first year students, by the name of **F=Ma**. The participants were required to fabricate a small toy car using the given materials, within the stipulated time frame. The fabricated cars were then subjected to a ramp test, in which their models were given a push by means of a spring actuator. The car that covered the most distance with the least deviation won. Apart from these events, Mock placement tests are conducted every year for the 3rd year members of our club, to help facilitate their placement in core companies.

The SAE Collegiate club of our college has come a long way since its establishment in 1997. It has organized several events and taken part in events organized by various other institutes. In course of its journey it has received many awards, rewards and accolades. The SAE club students of SRM university also participated in the SISCAR DERBY 2000 competition. The objective was to fabricate and test a single seater soap box car that was rolled from an inclined plane and duration for the lap was measured. On 18th September, 2006 the SAE Collegiate Club of SRM university was awarded the BEST INNOVATION AWARD among all the colleges of southern section of SAE.