SAE COLLEGIATE CLUB
Crescent Engineering College, Chennai –48.

ACTIVITIES FOR THE YEAR 2002- 2003

The election for the office bearers of SAE student section was conducted on July 12, 2002.The Society of Automotive Engineers started its activities with its **inauguration** on **July 18, 2002, by Dr.R.Mahadevan, Director, India pistons Ltd, Sembiam,** Chennai. He delivered a valuable lecture on Ethics of Engineering. He emphasized the attitude, the engineers especially Mechanical Engineers to adopt to be successful in their career. Dr.K.P.Mohamed, Principal presided over the function and Dr.R.Ganesan, Prof and HOD (Mechanical) offered the welcome address and introduced the chief guest.

An industrial visit was organised for the

III year Mechanical students on Aug 16, 2002 to Ashok Leyland
II year Mechanical Students on Sep 04 and Sep 26, 2002
to IP Rings Ltd, Maraimalainagar
III year Mechanical students on Jan 29, 2003 to IP Rings Ltd, Maraimalainagar and on Feb 20, 2003 to Ennore Thermal Power station, Chennai.

A **design contest** was organised on **Sep 6, 2002** as part of Confluence 2002.
18 Students from various engineering colleges like Amrita institute of Tech, Coimbatore, Kongu Engg College, College of Engineering, Guindy paricitipated in the contest.The students were asked to design/ model the automotive component using Pro Engineer software. Mr. Dinesh Shetty, Manager –Projects was the chief guest and judge for the design contest. The following students bagged the prizes

First	R. Gokul Krishanan Amrita Institute of Technology & Science
Second	M.Sivaram College of Engineering, Guindy

A **National Level Design Contest** SISCAR DERBY 2003 on **March 13, 2003** to promote creativity among the engineering college students in the design of efficient car models.

The Soap Box Derby is a concept in designing an engine-less gravity powered wheeled car having a rudimentary steering and brake, which can seat one designated operator. The Soap Box Derby event has these cars free-roll from a sloping track and participants are timed between start and finish markers located at a specified distance. All components of the vehicle must be of indigenous in origin with no import content. The main factors for a soapbox car design are ultra-light, rigid structure, low drag-coefficient, less friction.

Building and racing these "machines" under strict criteria poses a tremendous technical challenge with no limit for creativity and deployment of cost effective high-technology.

About 15 teams from various engineering colleges from allover TamilNadu have participated in this event. The teams made their technical presentation followed by the roll down test. A panel of judges evaluated the winners based on different criteria - engineering ingenuity, creativity, quality of build, finish, aesthetics and design, material usage, gross vehicle weight, performance in roll down test, braking efficiency, team coordination and management. The panel judges included leading product design personnel from National and Multinational car manufacturing industries.

1.Mr.T.R.Vasu, Manager – Technical and Field Services, Ford India Ltd, Chennai.
2. Mr.E.I.Jayabalan, Works Manager, Motor Vehicles Maintenance Dept, Chennai.
3. Mr.S.Shunmugam, Chief Executive, Design Desk India (P) Ltd, Chennai.

The following teams have won the prizes

Prize	College
I	Crescent Engg College, Vandalur, Chennai –48 (Host of the event)
II	College of Engineering, Guindy, Chennai –25.
III	V.L.B.Janaki Ammal Engg College, Coimbatore.

The function was inaugurated by Dr.K.P.Mohammed, Principal and rolldown test was flagged off by Prof. S.Peer Mohamed, Correspondent, while Dr.R.Ganesan, Prof and HOD/Mechanical briefed the participants about the contest, Mr.R.Rajendran, SAE Faculty Advisor welcomed the gathering, Mr.Aamir Ali, Student Member proposed the vote of thanks.

The faculty and student members attended **guest lecture** meeting organised by SAE India

1. Global Trends in Automotive steering by Mr. Radhakrishnan, Rane TRW Steering systems on 21.06.2002
2. Industrial Design for the mobility industry & Design competitions for the SAE student Members by Mr. Rajesh Mirajker, CEO Mirajker Design, Chennai on 12.07.2002
3. Overview and emerging trends in in-vehicle networks by Mr.B.K.Ramesh, General Manager & Mr.K.Sriramamurthy Project Manager, Dearborn Electronics India, Bangalore on 26.09.2002
4. Automotive Infotronics- Emerging opportunities for Business, Technology and Design Innovations by Mr.K.R.Anandkumaran Nair, President, R & D Lucas TVS Ltd, Chennai on Jan 03, 2003.
5. Characteristics of Successful women in the corporate world by Ms. Jayashree Varadhan, Deputy Director, CVRDE, Avadi, Chennai on March 19, 2003.

R. Rajendran

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SAE Faculty Advisor

4.4.03

Dr.R.Ganesan
HOD (Mech)

CRESCENT ENGINEERING COLLEGE
VANDALUR, CHENNAI-48.