

## ACTIVITIES FOR THE YEAR 2004 – 2005

### Office bearers Nomination

The election for the office bearers of SAE student section was conducted on July 12, 2004 and the following members were nominated

- Mr. C.Santhosh- IV Year - SAE Chair
- Mr. H.Fareeth III year -Vice chair
- Mr.P.Shaaz Mohammed – II year - Secretary
- Mr.A.AmirAli, IV Year - Executive Member
- Mr.R.Sriram , IV Year - Executive Member
- Mr.A.Kirankumar, III Year - Executive Member

### Inauguration

The society started its activities with its inauguration on August 03, 2004 by Dr.P.R.Nakkeeran, Director, Centre for Faculty Development, Anna University, Chennai –25 in our college Convention Centre. He gave an interesting speech on “Total Quality Management”. He gave vital information about the failure of the Challenger Space Ship and Bhopal tragedy. He also added that Japan was the first country to follow TQM and the improvement of TQM in US Defence and German Automobile Sector.The Chairperson Mr. C.Santhosh- IV Year Mechanical Engg presented the annual report of the society activities for the year 2003- 2004.

**CONFLUENCE 2004** (Sept 02, 2004) organized by Department of Mechanical Engineering focused on **Mobility Engineering**. Since mobility is a sine-quo-non for the economic development of any country, more so for emerging economy of India. Three professional societies of the department viz. SAE, ASME, SME organized various events during the Conference.

The paper presentation contest was on road, rail, sea and air transportation. Overall 78 papers were received and 20 were short listed for presentation. Three sessions was organized for the presentation. Mr. S. Srikanth and G. Vijayashakaran of Kongu Engg. College bagged First Prize for their paper “Ergonomics in Motor Bike Design”.

45 students from various engineering colleges like SVCE, Hindustan College of Engg, registered for participation in the modeling contest. A preliminary test was conducted and 15 were short listed for the final contest. The students were asked to do parametric modeling of the piston assembly using Pro-E. The judging was based on the no of parts completely modeled and special attention was given for imparting the parametric constraints on to the parts. Mr. Suresh Kannan of Tagore Engg. College bagged First Prize for his design on piston assembly.

Technical Quiz was also conducted in the last session and the Team represented by A.K. Ranjith Kumar & M. Santhosh Anirudh of Sathyabama Deemed University bagged the First Prize.

### National Energy Conservation Day

SAE and ASME jointly organized National Energy Conservation Day Celebrations on 14 Dec, 2004. The function was inaugurated by Mr.K.Allaudin, I.A.S, Chairman & Managing Director, TEDA, Chennai. He emphasized on the need to conserve energy and the employment opportunities available in this sector.

### **Technical Session**

Solar photovoltaic **Dr. R. Sethumadavan**  
System for various Co-ordinator, IES  
beneficiaries Anna University.

Wind Energy for Power **Prof. V. Geethaguru**  
generation, water Mechanical Engg.  
pumping & aero generator BSA Crescent Engg. College.

Uses of Biogas plants – **Mr. S. Pugalendhi**  
Including night soil based Associate Professor  
Plant & bio fuels Tamil Nadu Agriculture University  
Coimbatore.

Bio-Mass gasification **Er. K. Kulothungan,**  
& Power Generation Sr. Manager, TEDA.

Energy efficiency & **Dr. R. Sethumadavan**  
Energy conservation for Co-ordinator, IES  
Industries & local bodies Anna University.

As a part of the event, an elocution contest was conducted for the students of our college. The theme for the contest was *Energy Conservation in Domestic/Industrial/Transport Sectors*. The judges for the event were Dr. S. Venkataswamy, Professor/ Mechanical Engg and Mr. K. Suresh Kumar, Assistant Professor/ Mechanical Engg. Mr.S.Muralidhar IV year won the first place and was awarded Rs. 1000 as cash prize. Mr. B.Sivaramakrishnan –III year won the second place and was awarded a cash prize of Rs. 750.

### **Guest Lecture**

Dr. K.N. Balasubramanian, CISCO, USA, delivered a Lecture on “Total Quality Management” on 17 Dec, 2004.

A guest lecture on “Surface Engineering of Piston Rings” was delivered by Dr.N.Gowrishankar, Director, IP Rings Ltd, Maraimalainagar on 17 Feb 2005.

### **Visit**

The SAE student members along with the Faculty Advisor visited the AUTOFAIR, organized by the Madras Motor parts Dealers Association in July 2004. The members gained first-hand knowledge about automobile components that go into the production of vehicles.

### **Workshops / Conferences / Meetings attended**

Mr. K.M. Abubacker & Mr. R. Rajendran, Senior Lecturers, Department of Mechanical Engineering, has attended three days **National Workshop** on

- o Automotive Body Engineering and Materials
- o Automotive power train for fuel Economy and control of Emissions
- o Advances on fuels and lubricant technologies and alternate fuels

organized by SAE southern section, at IITM, Chennai, on June 11,12, 13, 2004.

Mrs. Nasreen kaleem SL/MECH, Mr.R.Rajendran,SL/MECH, Mr. T.Venkatesan, L/MECH, attended the **Annual General Body Meeting**-SAE India On 19-07-04 at Residency Towers, Chennai.

### **International Conference on “Telematics” on 6<sup>th</sup> & 7<sup>th</sup> sep2004**

The following attended the programme

- Mr. R.Rajendran, SL/Mech and SAE Faculty Advisor,
- Mr. C.Santhosh-Final Year Student (SAE Chair)
- Mr.A.AmirAli, Executive Member IV Year
- Mr. H.Fareeth (vice chair) III year  
at Le Royal Meridian, Chennai as free delegate.

**National Conference on Automotive Infotronics on 10, 11 Dec, 2004** organized by SAE, India at ICSR, IIT(M).The following attended the programme

- Mr. R.Rajendran, SL/Mech, SAE Faculty Advisor,
- Mr. C.Santhosh, SAE Chair,
- Mr. R.Sriram Executive member,
- Mr. Ananth Narayanan, member
- Mr. B. Vedik, member
- Mr. Vijayaraghavan member

A **technical lecture** on *A Systems Approach To Intelligence Vehicles* by Mr. Duane Tiede, President of SAE International, USA was organized by SAE-INDIA on 11<sup>th</sup> January 2005 and was attended by Mr.R.Rajendran and Mr. P.Ganesh.

#### Others

Mechanical Engineering objective type Question / competitive books 3 nos .has been purchased for SAE collegiate club library

Laser printer has been purchased by SAE Club.

Mr. R.Rajendran, Faculty Advisor has been nominated as Member and Vice Chair for Design and Competitions in SAE INDIA Southern Section Managing Committee for the year 2006 – 2008 and also nominated as Member in Student Engineering Education Board.

SAEINDIA Foundation Scholarship awarded winners

Facilities created in the Institution for the use of Student Members by the club

SAE Magazines Library