SAE – Society of Automotive Engineers is a member driven non-profit educational and scientific organization for promoting mobility technology (on land, sea, air and space) for the benefit of humanity. SAE has always played an important role in training our engineers and student members through its technical education and training programmes.

SAEINDIA is India’s leading resource for mobility technology and provides access to SAE programmes and services globally to all its members. It also sponsors and supports international conferences. Starting from the year 2000, every alternate year SAEINDIA International Mobility Conferences have been organized. SAEINDIA also organizes student convention and design competitions like BAJA India, Supra India and Effi-Cycle event for students at undergraduate level and also the AWIM programmes which provide an orientation in maths and science for school children. AWIM Olympics is organized at a National level every year.

SAENIS is one of the five sections of SAEINDIA and was the first section to be registered as a society and since then it has been regularly organizing lecture meetings, seminars and other events for the benefit of its members covering all aspects of mobility technology.

We try to organise at least one seminar every month covering various contemporary topics like Automation, Powertrain Simulation, Supply Chain Management etc.

SAENIS has taken initiative of organizing Effi-Cycle event at an all India level under the Chairmanship of Mr. I.V. Rao. This year SAENIS has taken up an important role in organizing Supra India finals at Budh International Circuit, Noida.

The other regular activities organized for student members include industry visits and guest lectures. It also provides guidance and financial help for organizing activities in the collegiate clubs.

SAENIS successfully organized AWIM Olympic in 2011 and St.Columbas, Delhi won the 1st prize. With the success of AWIM Olympic, AWIM programme using Jet Toy and Skimmer Boat models is being introduced in more & more schools of Northern Section.

We hope that our efforts will certainly contribute towards preparing our engineers for taking up future challenges.

A. D. Sindwani
Exec.Dir - SAENIS
This month, we are introducing Dr. V.K. Gupta, our new SAENIS Management Committee member 2012-2014 in this column.

Dr. V.K. Gupta, Professor Supply Chain and Project Management and Chairman Library Committee, IMT Ghaziabad & Executive Member - SAENIS.

An introduction:
Dr. Gupta has over 35 years of rich industry and academic experience at top management positions. He has been teaching MBA students at IIT Delhi, ASB University Denmark, IIM Lucknow and IMT Ghaziabad for over 6 years as Professor and provides consultancy to the Industry.

Qualification and Experience:
Trained extensively in Japan on TQM, TPM and Lean by experts from JUSE, JMA and AOTS and CEOs of leading Japanese Mega Corporations, Dr. Gupta was CEO India of JMA Management Center Inc., Japan (a part of multi Billion US $ training and consulting organization. JIPM and JMAC are divisions of JMA Group, Japan).

Dr. Gupta has held top management positions such as CEO in leading India Corporate and MNCs and turned around a number of companies into profitable, state of the art organizations and businesses.

Dr. Gupta has conducted over 1200 training and consulting assignments in Indian Public and Private Sector Organizations and leading MNCs on Strategy Management, SCM, Lean, TQM, TPM, Six Sigma, Project Management, Communication and Leadership etc.

Dr. Gupta has over 80 International publications to his credit including research papers in International Journals, International Conferences including National Standard on 5S about 50 text books on Japanese Management and Best Practices written, edited and published on behalf of JMA Group, Japan.

Dr. Gupta is Director AOTS Center of Japanese Excellence, Director Gift School of Services Management, Vice President, AOTS AA. He has been Chairman of IIIE NR, Vice Chairman Technical of SAE NIS 2008-10 and EC member , Founder member of FAAAI, Vice President AOTS AA, EC member of IITD PAN IIT committee 2006, EC IITD AA, GIFT and is on Governing body of many leading professional organizations.

Experience in SAENIS:
It has been a highly enriching experience being the Vice Chairman Technical (2008-2010) and Member SAENIS Committee (2012-2014).
International Conferences, Seminars and other events organized by SAENIS have been well attended across the industry and there has been a lot to learn from the Automotive leaders invited by SAENIS.

It has been a pleasure to share some of the well proven concepts on Japanese Management, Supply Chain Management and Lean Manufacturing that I have learnt internationally at various SAE events.

Vision for SAENIS:
SAENIS will continue to maintain its leadership position and will continue to be the preferred source of development for Professional Managers and students in the Automotive industry, related fields and technology domain.

We wish Dr. V K Gupta All the Best!!!!
A World in Motion - Master Teacher Training Programme, 4th August 2012

SAENIS in association with Maruti Suzuki India Limited started off its journey of AWIM 2012 and carried out the 6th Master Teacher Training Program (MTTP) on 4th August at Sanskriti School, Chanakyapuri, Delhi.

The Jet Toy session, designed for class 6 students was headed by Mr. Piyush Manocha, Co-ordinator, SAENIS AWIM activities. This year SAEINDIA introduced Skimmer Challenge which is intended for class 5 students and training for the same was conducted by Mr. Ravi Goel, Co-ordinator, SAENIS AWIM activities. Jet Toy and Skimmer sessions were conducted with over forty teachers from various schools embracing the regions of Delhi and NCR along with ten industry volunteers from MSIL and thirty university volunteers from IGIT, DTU, NIEC and ITM attending it.

The training started out with a brief introduction of the trainers, teachers and volunteers, followed by introduction to Engineering Science Technology Management (STEM). Role explanation of various engineers was done and teams were formed to support a multidisciplinary and co-operative working experience. The challenge of fabricating Jet Toy and Skimmer was discussed and briefed by the respective trainers.

Innovation was at its peak at the time of fabrication and various tips and suggestions were constantly rendered by the trainers. Conclusions were drawn upon the observations with different designs & graphs plotted. Teams tested their Jet Toy/Skimmer for various categories and gave a presentation with a demo Jet Toy/Skimmer where their main objective was to market their product. The Presentation round gave an opportunity to the teams to discuss and share their ideas.

SAEINDIA AWIM National Jet Toy Olympics 2011 Champions from St. Columbas along with their teacher and parents shared their experience of International Olympics held at Detroit towards the end of the session. They also shared their valuable learnings which were beneficial for all the teams. They gave various tips and formulae while demonstrating and testing a Jet Toy. The seminar concluded with felicitation of the teachers and volunteers with certificates.

Teaching sessions in Delhi schools have already started with teachers & volunteers going to various schools and preparing the children for the competition. The regionals will be held in October and the final showdown (Nationals) is slated to be held in Indore by end of December’12.
SAE SUPRA Technical Inspection, 4th August 2012

The SUPRA SAEINDIA 2012 competition challenges undergraduate and graduate students to conceive, design, fabricate and compete with their own small, formula style, autocross racing cars.

The SAE SUPRA inspectors from different OEMs were trained so that they can check the car for high performance parameters in terms of acceleration, braking and handling qualities, cost, ease to maintain and reliability.

The cars will be participating in a series of static and dynamic events. The static events comprise of technical inspection, cost, marketing presentation, engineering design. The dynamic events will include acceleration, skid pad, autocross, fuel economy. This will be followed by solo performance trials and a high performance endurance test on track.

Mr. K Krishnamoorthy guided the invigilators about the minute points to be kept in mind while inspecting the vehicles made by the teams. The basics of Formula car were shared differentiating a Formula car from a regular one. The invigilators were asked to give major emphasis on safety. 11 colleges from the Northern INDIA section will be participating in the SUPRA 2012 event. The technical inspectors were assigned different colleges in the Northern India section. Most of the participating teams had their prototypes almost ready.

The preliminary inspection was followed by the final inspection that was completed by 25th August’12. All the teams are set to participate in the most awaited student event of the year organised by SAEINDIA.

SUPRA SAEINDIA 2012 is going to be held in the prestigious Buddh International Racing Circuit in Greater Noida between 6th to 9th September 2012. Its a novelty to get to drive a self manufactured car on an F1 circuit!

Watch out for this space for a detailed coverage on SUPRA SAEINDIA 2012!!!
Automotive Welding Technology, 29th August 2012, Gurgaon

A seminar on “Automotive Welding Technology” was conducted by SAENIS in association with Denyo India and ABB Limited on 29th August 2012. DENYO India is a Subsidiary of DENYO KOGYO Co, Ltd Japan, and provides advance car production technologies and ABB limited is a global leader in Robotics and Automation Technology.

The Seminar focused mainly on latest developments in the areas of Resistance Welding Technology for automotive application and discussed various aspects of Spot Welding, Tip Dressing, Nut Welding & Welding Timer Controller. It also covered the current and emerging trends in automotive welding and application process along with best practices in Arc welding, Laser Welding and Body Shop Tooling. It was attended by more than 60 SAE and non-SAE members from automotive industry and student fraternity.

The Keynote Speakers were Mr. Toshiki Iwashima (Overseas Business Team, Nadeq Co. Ltd), Mr. Sanjay L. Basarikatti (Director, Denyo India Pvt. Ltd) and Anil Chaudhry (Application Manager, ABB Limited).

The Seminar started with a Welcome address by Mr. Sanjay Thakar (Secretary SAEINDIA Foundation and General Manager, Body Engineering, MSIL). This was followed by a presentation on Resistance Welding Technology for automotive application and Welding Controller. A live demonstration of Resistance Spot Weld Analyzer using Non Destructive Testing Technique was given by Mr. Toshiki Iwashima which was well appreciated by all.

Mr. Sanjay L. Basarikatti briefed about Denyo & Associates companies New Product Information which includes latest Welding Guns, Tip Changer and new ETD (Electron-transfer dissociation).

Mr. Anil Chaudhry discussed about global practices in Robotic applications and setting of production lines and shared a collaborative process of working with automotive OEMs, Tier-1 and equipment suppliers in integrating the process and technology.

To conclude the event, a vote of thanks was given by Mr. Rajesh Dabral (Assistant General Manager, Weld Engineering, MSIL) and momentos presented to the speakers.
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