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Two Years of Success & 10

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International
Workshop

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Analysis By
Mr. Robert Kuhn

Dec 2014
Evaporative Emission
Control By
Dr. Sam Reddy

Jan 2015
Virtual SUPRA 2015

SAEINDIA Presidential Policy 2014

For the last decade, few trends have characterized the Indian automotive industry. The rise of these trends, the spectacular economic growth, the political /intellectual emergence, and the buoyancy of the new MC team to propel SAEINDIA to the next orbit has surely been set at convergence of the Presidential Policy deployment. The defined major tasks were analysed and debated about 30 days before the convergence by the identified cross-functional teams and operating teams. The course of the Activity was followed as Business Planning to bring in alignment, participation of all concerned and thereby facilitate achievement of stretch targets in a smart, systematic and professional manner.

20th September 2014 and 21st September 2014, LAVASA

While commending the dedicated efforts of the past Presidents, Managing Committee, other senior leaders and members, volunteers and staff for their contribution to the evolution of SAEINDIA as a respected professional society in the country, President Dr. Aravind Bharadwaj explained the Policy considered as relevant, prioritized to the present time frame and are essentially identified as areas of Improvement. No focus areas for any society being Sustained

through member engagement, the following are the prioritized areas for improvement:

1. Enhance Relevance of Activities to Members
2. Reduce Non Value adding activities
3. Increasing Member Engagement
4. Improve creation of Knowledge
5. Develop SLAs among SAEINDIA, Sections and Divisions

The importance of deploying these five nebulous policies through strong, inclusive and innovative deployment process to ensure that executable actions were designed by Dr. Aravind and Mr. Selvamani.

Based on the same, cross functional teams were formed headed by leaders of SAEINDIA to write the policy stories on the above prioritized areas. In parallel execution stories were prepared by the operating boards sections.

All the stakeholders ensured, through joint deliberations and discussions, the alignment between the Execution Stories and the Policy Stories prepared by the CFTs based on identified priority areas of focus and formulated the Plan. All the senior members of the CFTs, Managing Committee, Operating Boards, Section Committees and Staff were to work on the formulated Action Plan.

SAEINDIA

SAEINDIA Managing Committee Member 2014- 2016

Dr. Aravind S. Bharadwaj
President

Mr. Shrikant R. Marathe
Immediate Past President

Dr. R K Malhotra
Sr. Vice President & Chair, Finance Board

Dr. Bala Bharadvaj
Vice President & Chair, Aerospace Board

Mr. I V Rao
Chair, Meetings & Expo Board

Dr. Venkat Srinivas
Secretary & Vice Chair, Development Board

Mr. C V Raman
Vice Chair, Sections Board

Mr. Srinivas. V
Membership

Dr. Arun Jaura
Chair, Automotive Board

Dr. KC Vora
Vice President & Chair, Sections Board

Mr. Prakash Sardesai
Chair, PDP Board

Mr. Sanjay Deshpande
Chair, Membership Board

Mr. Asit Barma
Chair, Publications Board

Mr. Vijayan G
Treasurer & Vice Chair, Finance Board

Mr. Devendra Bahirat
Chair, Off Highway Board

Dr. S Thrumalini
Chair, EE Board

Mr. B Bhanot
Chair, Development Board

Mr. P K Banerjee
Jt. Secretary, Vice Chair, EEB

Dr. Arunkumar Sampath
Vice Chair, Meetings & Expo Board

Mr. M Kannan
Vice Chair, PDP Board

Mr. Arun Sivasubramaniam
Vice Chair, Publications Board

Representing SAE International
Dr. David. L. Schutt

Mr. Murli M. Iyer

SAEINDIA

SAE
INTERNATIONAL

**Seminar
on
Engine Failure Investigation
and Analysis**

We are pleased to announce an International Lecture on Engine Failure Investigation and Analysis. Mr. Robert Kuhn, Managing Engineer for JP Research, an acknowledged expert on subject with years of experience demonstrated expertise.

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SAEINDIA

SAEINDIA and PMI INDIA Conference on

PEOPLE HIGH WITH PROJECT MANAGEMENT

SAEINDIA Aerospace Board and PMI Event held July 2014 at Bangalore.

The event was inaugurated by Dr. Saraswath, M Hancock, Mr. Murali Iyer, Dr. Bala Bhardwaj, M Varghese, Mr. Vasanth Kini, Mr. Munirathnam Ja Mr. Damodaran.



The welcome address was given by Mr. Munira SAEINDIA Aerospace Board Member and CEO of Jav Consulting Pvt Ltd. He welcomed the SAE P Chief Guest, Speakers, Panellists and delegates. highlighted the importance of the event being Bangalore the hub of Indian Aerospace and P Management Institute activities.

Mr. Jacob Varghes Head of IT, Aero & Defence m has set the context of the conference for the the audience, guests and speakers. He highlight importance of project management and implica the same amongst Fortune 500 companies in the years, and how the digital empowered customer embracing project management methodology improve their performance. He highlighted that and programme management need to be a focusing on people, process and outcome. He highlighted the importance of executive sponsorship increasing the performance projects in organisation following which he presented several examples of strong implementation of Management principles across the globe to highlight importance.



The Inaugural address was later given by Mr. Dannie M Hancock, President of SAE International. He explained the role of SAE in the international arena related to technology, research and spread of scientific approach among engineering communities, colleges and students. He highlighted his role in SAE over the years in various initiatives such as Baja, AWIM how SAE is able to implement scientific temper amongst professionals and student community.

Mr. Hancock took the opportunity to share his rich experience in technology related to the automotive industry. He explained how the economy and technology is challenging the automotive industry and especially power train systems. He gave lots of insights into energy consumptions and its impact in the automotive across the globe and explained to the audience the trends in fuel cell technology, hybrid, electric, hydrogen vehicles, etc. In addition to this he highlighted the demographic statistics on personal transportation.

He explained the commonality between the aerospace and automotive vehicles.

The Chief Guest address given by Dr. Vijay Kumar Saraswath, Former Secretary Defence (R&D), Ministry of Defence, SA to RM & Director General, DRDO.

The Keynote address was given by Dr. Bala K Bhardwaj, Chairman of SAEINDIA Aerospace Board & Leader of Engineering and Technology in India.

SAEINDIA

Moderator: Mr. Damodaran Subramanian, Senior VP, Safran Engineering Services.



Panellists: Dr. Kota Harinarayana, Dr. DS Kothari, Chair, ADA; Mr. Shyam Chetty, Director, CSIR IITR; Mr. Ravishankar Mysore, VP, Engineering for Global Center, UTAS

approach for project management and project management, the panel members discussed the following key points and expressed their views based on their rich experiences.

Collaborate to excel in Project Management by Mr. Santhanam, President, PMI Bangalore Chapter

Moderator: Mr. Vasanth Kini, MD, Titanium Industries

Panellists: Mr. Sridhara Ramachandran, Vice President & GM, Indus MIM Tec Pvt Ltd; Mr. Naresh Paltan (A&D), Maini Group; Ms. Stanis Jovita, GM, Cyient

Keynote Address: Dr. B. N. Suresh, Vikram Sarabhai distinguished professor at ISRO HQ.

Mr. Parvez, SAEINDIA Southern Section Member, Chennai Chapter MC member steered the entire event from the beginning with his excellent abilities, oratory and wit as Master of Ceremony.

Blue Ribbon CEO Conclave - BUSINESS PRACTICES FOR NEXT GENERATION MOBILITY

In India, like many other emerging nations, the rapid growth in urban development is coupled with the challenge of providing and managing movement of people and goods in inner cities. For businesses, there is a huge opportunity to integrate and deploy solutions to ease congestion, enhance safety and ensure energy management for CO2 reduction. A successful deployment will require agility and a mindset that proactively reviews the current state of the urban environment. The Prime Minister of India has emphasized that next generation mobility and business practices become more prudent for the mobility fraternity.

With this backdrop, the Automotive Board of SAE International conducted the first edition of Blue Ribbon CEO Conclave in Chennai on July 25th from 6 to 9PM at the Coromandel during the visit of Dan Hancock, President of SAE International. Murli Iyer, International Advisory Board member accompanied the President. At this ever Conclave, twenty CEOs and heads of Business Units of OEMs and vendor partners were present to share their continued support to SAEINDIA and share their

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The discussion was not limited to, but covered major aspects of Doing Business Right, Ethics and Value Diversity, Talent Development; Leveraging Innovation and Business Practices PPP; Socioeconomic Partnerships for Holistic Development.

Innovation is a lever that will catalyze next generation business practices. Nurturing student initiatives with supporting resources will build the appropriate line for injecting fresh ideas.

SAEINDIA



Nirmal Shani- o create a snowballing affect for the growth players in next generation mobility pra Standards and practices need to be rationalize

The informal interactions after the formal s revolved around alignment of stakeholders, innovation, socio-economic opportunities, agilit decision making and analysis at the grassroc How becoming global was important but technologically savvy and innovative was ever critical as we embark on next generation su mobility.

Development, and Integrating Smart Mobili Masses- Inclusive Strategy (Urban Develop Energy Providers and Policy Makers).

The conclave bang with a welcome address t Arun Jaura, SAEINDIA Automotive Board Ch. followed by the Opening address by Dr. , Bharadwaj, President, SAEINDIA.



) will require agility, collaborative style of decision ma and a mindset change to proactively leverage ir

Introduction.

Dr. AB- " need a paradigm shift in building innovation cultur Going forward, talent pipeline and ethics & values

Dr.Aravind Bharadwaj in his welcome address.

SB- k the success of next generation mobility business pi The sensitivity of customer needs across regions

Suman Bose, MD and CEO, Siemens Industry Softw talked about the need of a paradigm shift through thinking and radical innovation. He shared anecdot

regions on connected vehicles, and few other e How radical innovation and the way of conducting has changed the play field. Siemens across India and world, of course. He talked about technology tre one size does not fit all, and various levers Siemer be ahead of the curve in next generation mobility.

) U = and stronger partnerships with academia will streamlir of next generation mobility industry. Emphasis oi solutions in different markets will be even more pri

Dr. Mahadevan, Board Member of India Pistons shared his thoughts about a holistic appra participation of stake holders, how setting th framework was important to lay a blue print for th and consumers of mobility solutions. The sustain mobility solutions requires more knee jerk reaction technology demonstrations. There was need fc research partnerships with academia and R& labs.

SAEINDIA

SUPRA SAEINDIA 2015 APPLYING THE POWER OF INGENUITY

SUPRA SAEINDIA 2014 is an exciting competition conceived to inculcate and harness talent, to hone the skill of engineering students from all over India. Students from various colleges form teams and create a virtual design prototype and test their own formula type. The project fuels the exuberance of the young providing teams a platform to taste their own giving them a pragmatic exposure to real challenges as faced in the industry. The event happened between 18th to 20th July 2014 at MMTC Chennai.



According to Dr. S. Thirumalaiah Convener, SUPRA SAEINDIA 2014 is a platform for students to analyze the engineering design report, make a presentation, cost analysis, acceleration test, economy, skid pad test and endurance test. These events were judged by a panel of eminent experts from the automotive industry.

Over 85 teams from various colleges participated in this process, students learn to develop a design, understand the process of product development, industrial procurement, manufacturing, assembly and prototyping. The selected

prototypes were then tested in standard test conditions to measure parameters like maneuverability, technological innovation, endurance, climb and stability. The objective of this event is to bring out the latent talent of students so that it fulfills the A Mission Plan (AMP 2016), the focus to make India an International Automotive Hub.



Mr. Asit K Barma, Chairman of the Media Communications, Publications Board, SAEINDIA, stated that the event provides a platform for students to showcase their own cars, which they have conceived, designed and fabricated.

The specification of the car frame and engine is restricted so that the imagination, creativity and knowledge of the students are challenged. Students realize their talent through such an experience, making those proven candidates for the future technocrats, entrepreneurs, designers, innovators and leaders.



SAEINDIA



The event is sponsored by Maruti Suzuki India Limited as the Title Sponsor and supported by Rajyashree Group of Institutions, Chennai. Other sponsors include Continental Automotive, Bharat Petroleum Corporation Ltd, BOSCH, ALTAIR, ANSYS, EATON, Indian Oil Corporation Ltd., ARAI, Victoria and Roots.



Seminar on "Engine Failure Investigation and Analysis" - Mr. Robert Kuhn

on

10th & 11th Nov 2014 in Chennai and 13th & 14th Nov 2014 in Pune,

We are pleased to inform you that SAEINDIA along with SAE International would be organizing a seminar on Engine Failure Investigation and Analysis. Mr. Robert Kuhn, an authentic expert with years of experience and demonstrated expertise in the field. He is also part of the eminent panel of SAE International Lecture circuit.

Please also indicate choice of location either Chennai or Pune to block the seats accordingly.

BAJA SAEINDIA

BAJA SAEINDIA was a dream come true under the mentorship of Dr. Parag Goenka, who supported the idea, brought together a capable team and initiated the event at the land facility from NATRiP (National Automotive Testing and R&D Infrastructure Project - Government of India Project), site at Pithampur. The event witnessed its successful completion every year since 2007. The next BAJA SAEINDIA Event will be conducted in Feb 2015. The participation in the event is increasing year by year covering almost every state all over India. It starts with 27 colleges in 2007 and its 325 colleges from all states which is a huge success for the technical event. Also, this year it will be an international event which is going to be highly competitive for the Indian Students. 122 teams were selected for the main event after the round-robin BAJA SAEINDIA which happened in August in Ahmedabad. This includes 12 teams of eBAJA, a new initiative by the committee. Teams will be competing on tracks with their technicalities by using the electric engine and battery. Also, the track has been transformed to high level as that of International. Through each pass, BAJA SAEINDIA has seen an exponential growth with more than 2500 participants. BAJA is just a competition anymore; it is a revolution growing every day, where only the fittest will survive.

SAEINDIA

SYMPOSIUM ON INTERNATIONAL AUTOMOTIVE TECHNOLOGY (SIAT 2015) 21-24 January 2015, ARAI, Pune

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eco-friendly technologies, enhance safety ensure connectivity of vehicles. This is all p we innovate and collaborate to shape our p The use of Information and Communi Technology (ICT) have forced development:

demands continue to rise as they remain cc to readily available information and increasingly knowledgeable.

SIAT 2015, assembles the best talent Automotive Industry, who will join han collaborate and deliberate the current cha to promote the multitude of opportunitie successful automotive industry.

The Symposium on International Autor Technology (SIAT) is a widely covered k international event organized by The Auto Research Association of India (ARAI). SIAT s an important forum for sharing idea knowledge concerning promising area Automotive Engineering and Technology, where eminent experts and authors present Keyn Technical Papers in multiple sessions.

The coming edition of SIAT i.e., SIAT 20th15, the series is being organized by ARAI in ass with SAEINDIA, NATRA and SAE International a campus in Pune, India, from 21 to 24 Janua

Approximately 200 technical papers inclu keynote on various subjects will be pre during the symposium. SIAT will focus on im areas like Advanced Powertrac Technologies: Emissions, Noise, Vibration & Harshness Alternate Fuels, Virtual Prototyping, Virtual Safety and Crash Worthiness, Automotive

Electronics, StructuralDynamics Vehicle Engineering and Automotive Materials.

Symposium proceedings will be published along a Technical Reference Bulletin containing t articles, case studies and product informatio would be panel discussions and student presentation competition too. An expositio EXPO 2015 will also be organized showi

Technology Solutions in around 200 stalls u as a special eve on 24th January 2015 where eminent com including ARAI would give presentatio state of the art technology.

This Announcement invites delegates for registration. The first 200 delegate regi received with payment on will avail Merchandise.

SIAT 2015 21-23 January 2015		SIAT EXPO 2015 21-24 January 2015
Symposium on International Automotive Technology		
<small>Dr. K.C. Vora Convener, SIAT 2015 Email: siat2015@saeindia.com Tel: +91-20-30231040. Fax: +91-99 755 81049</small>	<small>Venue : ARAI, Pune, India Fax: +91-20-30231104 Website: www.araindia.com</small>	<small>H.A. Nakhawa Coordinator, SIAT-EXPO 2015 Email: satexpo2015@saeindia.com Tel: +91-20-30231275. Mob: +91-98 688 88079</small>

SAEINDIA SECTION NEWS

BANGALORE SECTION

Organized by IACC, Associate par TIE & SAEINDIA Bangalore sector Hubli.

A successful event organized by TIE & SAEINDIA Bangalore sectic

manufacturing on - 06/06/2014. Around 2.30pm to 6.00pm in Deshpande centre BVB col campus.



Smt. K Rathna prabha (IAS) Additional chief secretary, Comr and Industry Department Govt o karnataka Sri M. Mahaeshwar r (IAS) Commissioner of industri development & Director of indus and commerc Govt of karnataka.

Followed by Interactive session various industries on how to North Karnataka region to be a manufacturing Hub in upcor years.

Seminar on SAE & Activities to k done in SAEINDIA collegiate club

SAEINDIA Bangalore sect conducted students and fa interactive session in Christ Uni i.e. on 01 August 2014. Arour 11:00Am.

Key areas discussed on:
1. What is SAE and its benefits.
2. How to form collegiate

3. Responsibilities of office bear SAEINDIA collegiate club.

community can participate.



How to star with basic automot projects:

Proceeding with basic de procedures types of anal innovation, DFMEA, type suspension to be selected, chc specific task to accomplish proj Literature survey.

Inaugural of SAEINDIA collegiate club

1. JSATE SAEINDIA COLLEGIATE CLL was inaugurated on 21st Aug 2014.

Followed by technical talk from l Girish on Power trains & Mr. Kur on Vehicle dynamics.

Key areas discussed on:

1. Continental history video.
2. Power trains systems.
3. Discussed o EMO.
4. Artificial intelligence in vehicle
5. Brief session on antilock brak system and safety.
6. Electronic stability control, highlights on Aerodynamic specif Geometry specifics, Mass specif Motion specific, Tire specific & F specific.
7. Questions from students community.

2. SJBIT SAEINDIA COLLEGIATE CLUE inaugurated on 08 September 2014 by Mr. Muzakkir.

Key areas discussed on:

1. How to start up with project.
2. Responsibility of team membe work distribution.
3. Rule book & key points to on
4. Types of design approach ana test to be carried out.
5. Considering human ergonomic postures in design.
6. Discussion on engine, roll cage material, suspension factors to k considered, DFMEA & DVP.

NORTHERN SECTION

SAE International Presidential Team

SAE International Presidential was organised by G B Pant Coll Engineering, Delhi and was host IIIT-D on 30th July 2014. A students, along with the colk club members participated in Presidential team visit comprisi Dr. Dan Hancock, President SAE International and Mr. Murli Executive Global Affairs. The e commenced by a lamp ligh ceremony followed by a welc speech by Prof. Maji, Principal, Pant College of Engineering anc Chair Technical, SAENIS, who extended a warm welcome to a dignitaries of SAE Internati SAENIS fraternity and the stu community. Dr. Tapan Sar Secretary, SAENIS, gave presentation highlighting the di activities and achievements SAENIS over the last year. Mr. Alok Jaitle Vice Chairman Student Activiti SAENIS introduced the winning te of AWIM 2013.

The students gave a demonstration of their Jet Toy and Skimmer and were appreciated by one and all, and felicitated by Dr. Dan Hancock with awards and cash prize. Dr. Hancock appreciated the efforts by the students and encouraged participation in more activities.



Mr. Murli Tyagi spoke about the evolving role of SAENIS in the promotion of SAEINDIA activities through various SAE collegiate clubs, presentations and briefings about activities conducted by respective collegiate clubs. They were awarded with mementos for their presentations and contributions. The session concluded with an interaction wherein our guests answered the doubts and queries of the participants.

Economics of Fuel : Complete Vehicle

SAENIS organized a one day seminar in association with AVL on the Economics of Fuel : Complete Vehicle at the M. K. Ambience, Gurgaon. The seminar focused on Engine, combustion, emission measurement and test cell, fuel economy improvement and related areas. The event commenced with a welcome address by Anoop Bhat (General Manager, Powertrain Design and Development, MSIL).



The seminar focussed on the emission trends in India and Europe and how better fuel economy can be achieved through calibration. It also discussed about the future of engine in India. Mr. K. Koeck, Business Development Manager from AVL, spoke about uncertainty in measurement and accuracy in achieving trustable measurement results and explained it through an example on fuel consumption. There was also a Panel discussion to the end of the session in which development areas considering the economy, expectations at infrastructure improvements and the impact of new technologies over the next years in India were discussed. The seminar was attended by about 50 people from Maruti, Corning, Ashok Leyland, Gram Pistons, Rings Ltd, IOCL, iCAT and students from different colleges. The event concluded with a note of thanks distributed by Mr. Anup Kacker. At the end, a vote of thanks was delivered by Mr. I. V. Rao, Past Chairman, Northern India Section. He summarized the event and thanked the contributors who had contributed for the Awards and for the Fuel event.

SAENIS AWIM MTTTP 2014

A World in Motion (AWIM) program is an international event of SAE, which amalgamates teachers, students from different technical institutes and industry volunteers in one platform for exploring physical science and addressing the essential concepts of Science, Technology, Engineering and Mathematics (STEM) among school children. The program is structured in a seasoned manner as to develop the future generation to pursue careers in science, technology and engineering and mathematics bringing their daily experiences into the AWIM classroom. The curriculum of the program incorporates a workshop for teachers, students and industry volunteers through the Master Teacher Training Program (MTTP).

On 23rd August 2014, SAENIS celebrated the journey of AWIM 2014 by successfully conducting the Master Teacher Training Program (MTTP) at Jamia Millia Islamia University, Delhi-NCR Region. The event commenced with an address by Mr. Jaitley, Vice Chairman, Student Activities, SAENIS. He shared his experience in Efficycle as Convener and with extreme enthusiasm motivated the teachers and volunteers to take this edition of the AWIM program to great heights. It was pursued by the galvanizing words of Mr. Rakesh Sood, ex-Convener, AWIM, who cherished the hard work and dedication of the teachers and volunteers and motivated them. Deepak Panda, Convener, AWIM also mentioned the opportunity that AWIM provides to spur the huge

potential in students. Prof. M. Hasan, Faculty Advisor, SAE Chapter at Jamia Millia Islamia also expressed his continual support to SAE activities. Around 31 schools from Delhi, Gurgaon, Faridabad and several number of student volunteers from IGDTUW, Jamia University and along with 4 industry volunteers participated in the Jet Toy this year in comparison with 28 schools which had participated last year. It stood at 29 in comparison with 29 schools which had participated in the year affirming the prospect of AWIM.

The training sessions for Jet Toy and Skimmer were initiated with a brief introduction about STEM. Following the briefing, the respective challenges, their motto

and intellectual was explained to the students by the trainers after which the fabrication of Jet Toy and Skimmer was started off by the respective trainers. Innovation was at its peak during fabrication and various constructive suggestions and scientific tips overflowed by the trainers.

Several sail shapes and area of respective skimmers were tested in various categories like maximum distance, accuracy, direct stability, weight carrying capacity etc. more. Conclusions were drawn from the observations with different designs & graphs plotted. Jet Toy was experimented with different nozzles and balloon inflation diameters for categories like maximum time, maximum speed, maximum distance, accuracy and weight carrying ability.



The program was concluded with the declaration of SAENIS Director AWIM Regional Olympics, which is going to be held at DPS Maruti Gurgaon on 1st November, 2014.

Collegiate Club Inauguration & Technical Lectures

On 28th-29th August 2014, SAEINDIA Collegiate Clubs of Delhi University, Mathura and Hindu College of Science and Technology Mathura (HCST) were inaugurated by Mr. Anup Kacker, Executive Director SAENIS. The inauguration was followed by Technical lecture sessions at HCST, GLA University and IIT college of Technology

Management, Palwal. In the inauguration speech of Mr. Kacker, a governing body and detailed information about its function was given. Mr. Kacker motivated the students and faculty for participation in SAE activities and competitions like BAJA, SUPRA and EFFICYCLE. He mentioned the importance of collegiate clubs in technical institutions and activities that can be carried out in these clubs. He emphasized organizing various workshops and lectures by the students under the club activity. Also present in the inauguration ceremony were Dr. Upadhyay (Director-HCST),

Dr. P.S. Joshan (Dean Academics), Sandeep Agarwal (Dean Student Welfare) and Shri Y.C. Dhote (HOD, Automobile Engineering), Dr. Chauhan (Vice Chancellor), Dr. Krishna Kant (Director), Dr. P. Singhal (HOD) along with the student body and faculty members of Automobile and Mechanical Engineering stream of the respective colleges.



The Inauguration ceremony was followed by Technical lectures by Mr. Srivastava and Mr. Deepak Maheshwari MSIL. The seminar focused on the basis of noise, vibration and harshness, its cause, effects and control.

SAENIS Student Convention

On 13th September 2014, SAEINDIA association with MNIT Jaipur organized its first student convention in Rajasthan a new beginning particularly for this region. Over 84 students from sixteen colleges participated. Universities of MNIT Jaipur, Jaipur, JECRC University Jaipur, International Engineering College Jaipur, Poornima College of Engineering, Jaipur, JECRC, Jaipur, JECRC/JDML, Jaipur, GEC, Ajmer, Jodhpur, RIET Jaipur, LNMNIT, V. Manipal University, Jaipur, MLV Bhilwara, PITS Sikar, Rajdhani College of Engineering, Jaipur participated in the Convention.



The inaugural function was attended by Chief Guest Mr B L Soni, Additional DG of Police and Director, Rajasthan Police Academy, Guest of Honor Mr. Sandeep Raina (Chairman Student Activities SAENIS and General Manager MSIL), Rakesh Sood (Managing Director TRIM India Ltd), Director MNIT S.S.V. Ram Kumar (General Manager Indian Oil and Mr Reji Mathur, Governing Board Member SAENIS and CRM, Indian Oil R&D Centre), Chairman of Convention, Prof. S Lal Soni, Chairman and Convenor, Organizing Committee, Convener & Organizer of Convention, and other dignitaries from respective participating Colleges. Convention was inaugurated by Mr. B L Soni. In his inaugural speech, Chief Guest B L Soni stated that such conventions are important from the point of view of development of students as well as faculty. Mr. Sandeep Raina gave a broad overview of the Auto Sector, outlining the challenges likely to be faced and told students that this is the platform where students can explore their creativity and ideas with other professionals and students to the benefit of society and the automotive sectors. Mr. Anup Kulkarni, Executive Director SAENIS briefed the students about various activities of SAE India and SAENIS and benefited from being an SAE member.

WESTREN SECTION

Futuristic Technologies and Orbit Shifting Business Strategies

A workshop on Futuristic Technologies and Orbit Shifting Business Strategies was organized by SAEINDIA Off-Highway & SAEINDIA Western Section on Tuesday 22 July 2014 at ARAI, Pune.

The objective is to enhance and leverage from emerging Market Opportunities through Futuristic Technologies, Effective Collaboration, Disruptive and Innovative Business Models. When Indian Economy is poised to take off to the next level in the following decade, Off-Highway Industry needs to work on a Paradigm Shift in terms of Technology Development and new Business Models for greater benefits to all stakeholders in the Value Chain. The thrust is on increased contribution to the GDP from Agriculture and Infrastructure Industry.

The workshop witnessed an overwhelming response and participation of engineers, school students in the discipline of engineering. Around 250 delegates attended the workshop.

The event commenced with Lighting of Lamp, where the honorarium dignitaries lighted the lamp. The responsibility of the program was conferred by Ms Kavitha Shinde and Mr. Amar Variawa.

The workshop started with an inaugural speech by Mr Daniel M. Hancock, President SAE International. Workshop overview was given by Devendra Bahirat, Business Manager India & China, John Deere Electrical Solution and Chairman of SAEI Off-Highway Board.

After workshop overview, Mr. Shri Marathe, Past President SAEI and Past Chairman SAEINDIA Western Section and former Director of was felicitated by Mr. Hancock for his contribution toward SAEINDIA.



Technical session was started with first presentation by Mr. Ritu (Business Director, John Deere India Pvt Ltd) on Technologies for Tomorrow for Agriculture Mechanization. Third presentation by Mr. Mukund Varshney, (Director, Corporate Affairs, John Deere India) on Role of Government Policies. Fourth presentation was presented by Narayanan Ramanathan (Vice President & Global Head, Connected Engineering & Analytics, Telematics Mahindra) and Ms. Sunila Murali (System Lead, Electrical Electronics, Mahindra Construction Equipment Ltd) on Connected Vehicle Program. Fifth presentation by Mr. Madhan Thiruvengatchari (Technical Sales Senior Director, on Forces of Transformation in Manufacturing Sector).

Sixth presentation was presented by Mr. Anil Ghogade (Engineering Manager, Piston Power & Control Eaton India Engineering Centre) on Technological Trend in Hydraulic Domain.

Seventh presentation by Mr. Kamalakannan Rajagopal (Director EBU Engineering Cummins) Collaboration Opportunities in presentations by Mr. Jasmeet Singh (Head, Defence Business & Customer Experience Programs, India Limited) on Business Model Future. Last Technical presentation was presented by Dr. Thirumalin (Head of Department, Amruta Vishwa Vidyapeetham & Chairperson, SAEINDIA Engineering Education Board) on Role of Academia.



Vidyapeetham) and Mr. Arun Variawa (GM, John Deere (Moderator). It was very an interactive question answer session. Lots of questions arise during discussion. Towards the end, there were three lucky draw prize delegates. Dr. K. C. Vora proposed vote of thanks on behalf of SAE Off Highway Board, SAEINDIA Western Section and ARAI.



The next and last session was a Discussion Session, where panelists Mr. Satish Nadiger (MD & CEO, John Deere), Dr. Sudhakar Potukuchi (Vice President, Eator), Dr. Anuradda Ganesh (Director Product Engineering, Cummins) Mr. P. Venkateswaran (VP R&D, PTC) Dr. K. C. Vora (Sr. DD, ARAI) Dr. S. Thirumalin (HOD, Amruta Vishwa Vidyapeetham) and Mr. Amar Variawa (GM, John Deere) (Moderator) The next and last session was Panel Discussion Session, where panelists are Mr. S. Nadiger (MD & CEO, John Deere) Dr. Sudhakar Potukuchi (Vice President Eator), Dr. Anuradda Ganesh (Director Product Engineering Cummins) Mr. P. A. Venkateswaran (VP R&D, PTC) Dr. K. C. Vora (Sr. DD, ARAI) Dr. S. Thirumalini (HOD, Amruta Vishwa

Total 94 participants, including from various industries & from ARAI at 89 ARAI Academy students attended this workshop (brochure of the programme is attached).



The feedbacks from the participants are consolidated and the same is attached. The overall average rating by the participants of this workshop is 8.6 out of 10. The average rating given by speakers is 9.9 out of 10.



Emission & Our Environment

In workshop Series, Day workshop on Emission & Our Environment, jointly organized by ARAI and SAEINDIA Western Section at ARAI, Pune on 28 August 2014

Dr. Suresh S Iyer, Research Associate in the Department of Mechanical Engineering at Pennsylvania State University, USA Dr. K. C. Vora, Sr. Dy. Director & Head of Academy at ARAI, Pune.

Material Testing using a Digital Image Correlation

In workshop Series, Day workshop on Material Testing using a Digital Image Correlation, jointly organized by ARAI, SAEINDIA Western Section and Lavision ARAI Pune on 12 August 2014

Dr. Robert Littlewood, Application Engineer at LaVision, Singapore Mr. Arun Raj, Regional Sales & Support Manager India, LaVision Singapore

Total 12 participants attended workshop. Various topics were covered during the program (brochure of the programme attached).

The feedbacks from the participants are consolidated and the same is attached.

Advance Driver Assistance & Act Safety

In workshop Series, 3-day workshop on Advance Driver Assistance & Act Safety jointly organized by ARAI, SAEINDIA Western Section and ARAI Pune on 12th August 2014

The speaker for this workshop was as below:

- Mr. A. V. Mannikar: Sr. Dy Director & Head, Safety Homologation Laboratory Passive Safety Laboratory, Pune.
- Mr. Jitendra Shah: Research Engineer at Ford Research C Aachen GmbH Germany.
- Mr. Pratyush Khare: Head of Integrated safety center at Motors, Pune.

Total 20 participants attended workshop. Various topics were covered during the programme (brochure of the programme is attached).

3-Day Workshop on CAE for Powertrain Application

In workshop Series, 3-day workshop on CAE for Powertrain Application jointly organized by ARAI, SAEINDIA Western Section and Ansys was held at ARAI, Pune from 7th to 9th July 2014

The speakers for this workshop was as below:

- Dr. S. Manivasagar: Chief Delivery Officer for Onward Technology Limited, Pune

Mr. Sanjeev Bedekar, TSFE (Thermal Science Function Excellence) leader at Cummins Research and Technology Institute (CRTI) Pune.

Mr. M. A. Patwardhan: Dy. General Manager at Computer Aided Engineering Laboratory, ARAI, Pune.

Mr. Sandeep Shetty: Sr. Technology Specialist at ANSYS India.

Mr. Santosh Kotal: Senior Technology Specialist in Support & Services organization at ANSYS FLUENT India Pvt Ltd

Mr. Priyanka Jain: He is Sr Technology Specialist in Support & Services organization at ANSYS FLUENT India Pvt Ltd.

Mr. Jayesh Muthyal: He is Senior Technology Specialist in Support & Services organization at ANSYS FLUENT India Pvt Ltd

Mr. Sourabh Shrivastava: Technology Specialist, at ANSYS India.

Mr. Mahendra Joshi: Technology Specialist at ANSYS India.

Mr. Rahul Phadke: Technology Specialist with ANSYS India.

Mr. Sampat Kumar: Deputy Manager, PTE, ARAI.

Total 26 participants, including from various industries, 6 academic students attended this workshop. Various topics were covered during the workshop (brochure of workshop is attached).



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