

## **“FIRST SUMMER SCHOOL ON AUTOMOTIVE TECHNOLOGIES” ( 12<sup>TH</sup> JUNE TO 16<sup>TH</sup> JUNE 2018 )**

Mobility is currently dominated by a number of powerful trends. Urbanization and de-carbonization are calling for new concepts. Autonomous driving, electro mobility, digital information and communication technologies have begun to fundamentally change the landscape of mobility solutions all around the world. In view of the dynamic changes occurring in the automotive segment, innovations and collaborative prepositions between academia & industry is the need of the hour.

It was in this context that SAENIS Governing Board took the decision to organize a Summer School for Industry and Academia participants

SAE Northern India Section (NIS) in association with IOCL, ICAT and MSIL successfully organized the “1st Summer school on Automotive Technology” from 12th to 16th June 2018 at G.L.Bajaj Institute of Technology & Management (GLBITM, Greater Noida) our Academic Partner for hosting this Event.

Inaugural Function was graced by Chief Guest Dr Ramakumar, Director (R&D) IOCL, Guest of Honour Mr P Panda, SVP, MSIL, Mr Yuji Yamamoto, CTO Sanden Vikas, Mr Rachit Pandey, GM, MSIL, Dr Reji Mathai, Convenor and GM, IOCL and Mr Pankaj Agarwal, Vice Chairman GLBITM.



Mr Pankaj Agarwal thanked Senior Functionaries of SAE NIS for initiating this unique initiative, giving GLBITM an opportunity to host the Event and welcomed all the Dignitaries and the participants.

Dr Reji Mathai, Convenor and General Manager IOCL gave an Overview of the Technical Schedule for the 5 Day event. Anup Kacker, ED SAENIS presented an Overview of SAE NIS Activities and Plans,

Benefits of Membership and Value Add and Knowledge being provided through programmes like the Summer School.. Mr P Panda, Sr VP MSIL and VSr Vice Chairman SAENIS shared the VISION of SAEINDIA SAENIS under the Chairmanship of Mr Dinesh Tyagi, Director ICAT and felt that Programs like Summer School will bridge , to some extent gap between Industry and Academia expectations



Dr V Mishra, HOD Mechanical Department narrated the journey of GLBITM and efforts being made by them in engaging the students to real life challenges in Mobility Sector

Dr Ramakumar while inaugurating the Summer School as Chief Guest talked about Government decisions on Leapfrogging to BS VI Emission Norms across the country by 2020. “The Fuels and IC engines are here to stay and BS VI will be a significant clean initiative which is expected to provide a great drive in reducing vehicular emissions” , he said. Importance of bringing Academia in close vicinity with Industry through programme like this Summer School was also highlighted.

The summer school included 18 classroom sessions and industry visits. 24 Faculty Advisors from 15 Engineering Colleges and 19 Industry Members from IASYS, AESINDIA, PETRONAS Lubricants India, MSIL, ICAT, IOCL, Pranav Vikas registered for the Event . However, only 15 Faculty Advisors attended the event.

During the Summer School, participants were appraised about modern automotive technologies, Vehicle Development process, Fuels and Emissions scenario, Vehicle Technology Simulation and Analysis tools, Hybrid and Electric Vehicle Technology, GDI Engines, Transmission Systems, Automotive Bearing, Vehicle Fuel Economy, Legislative Testing, Automotive Test Systems, Type Approvals and COP, Modelling

aspects in IC Engines, alternative fuels , lubricant technologies along with Electronic Engine Management systems and After Treatment strategy for BS VI.



The sessions were conducted by senior specialists in the respective areas from MSIL, IOCL, Honda, HeroMotoCorp, NBC, IIT Delhi and Chennai, NIT-C, Siemens, ARAI, AVL , ICAT. The Speakers expressed their satisfaction on the Quality of the Participants based on the Questions raised by them

The program was concluded with the Valedictory Function which was graced by Mr Dinesh Tyagi, Director ICAT, Dr Tapan Sahoo, Sr VP MSIL, Dr Reji Mathai.

Mr Anup Kacker ED SAENIS shared the Feedback and Suggestions given by Participants. And thanked Management of GLBITM for successfully hosting the Event. He also thanked Mr Vijayakumar Vishnu, Manager IOCL and Main Coordinator was his major contribution in making the Event a success.

Dr Reji Mathai Convenor Summer School gave a Summary Presentation of Key Learning and Take away based on presentations made by each of the Speakers during the Five Day Event

Dr Tapan Sahoo, Sr VP, MSIL and Secretary SAENIS brought out that Learning from organising such an event will be carried forward to the next event . Feedback given will be considered and changes incorporated in the technical Schedule for the next event. He hoped that participation from Industry and more importantly Academia will increase and the Learnings will be shared with peers in their respective work locations

Mr Tyagi, Chairman SAE NIS expressed happiness that SAENIS has taken the lead in organising the Summer School and it is the First such initiative under SAEINDIA. He highlighted the Vision of SAEINDIA and SAENIS and key role to be played by Industry and Academia in realising the Vision. He felt happy that this unique flagship Development Program in its first attempt was able to meet its objectives of



imparting knowledge based on the Feedback given by participants which gave an Overall rating of 4.6 out of 5. He highlighted that this was a platform and an opportunity for Industry and Academia building and nurturing powerful productive Relationship and identifying collaborative opportunities.



A Quiz was also conducted on 16<sup>th</sup> June with MCQ on each of the sessions. Mr Ankur Sachdeva, Faculty Advisor from LPU Phagwara was the winner. with Mayank Kumar, Indian Oil Marketing bagging the Second position. The third position was shared by Mr Kushagra Srivastava and Mr Vivek Kumar of MSIL  
Mr Anil Khatri, Vice President (Ind and Academia) GLBITM delivered the Vote of Thanks

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