



Annual Report 2010-2011

ASME-JMI in Department of Mechanical Engg

Prof. Abid Haleem
(Professor and Head)
Department of Mechanical Engineering
Jamia Millia Islamia.

The responsibilities for various groups of the ASME society were given to the student subsequent to an interview by Dr. Abid Haleem in the presence of ASME's National Manager Shri Sandeep Saxena. Various technical events were organized around year 2010-2011.

Clash Of Jamians:

On the 19th of April, 2010, ASME Jamia chapter organised a robot soccer event-“The Clash of Jamians”. It was an intra college event and saw enthusiastic performance from predominantly 2nd year participants. 9 teams participated, under the supervision of Head of Dept. Mechanical Engineering, JMI, Dr. Abid Haleem. The event was a success, with the winners being awarded a cash prize.



Vedic Math Lecture:

On the 26th of April 2010, a lecture on Vedic Mathematics was organised by the ASME student chapter. The lecture focussed on quick calculations and development of an efficient mathematical bent of mind. The students were greatly benefited from the lecture, which should hold them in good stead in competitive examinations such as CAT, GMAT and GRE etc.

ASMEJMI Scholarship Test:

In search of academic excellence, ASMEJMI organised a scholarship test on 3rd September 2010, where students were evaluated on their mathematical ability and their general aptitude.



Visit by GAIL Ltd. DGM HR :

On the 26th of October, Dr. S. Sarkar, GAIL Ltd. DGM HR visited our faculty and delivered a riveting lecture on GAIL Ltd. which comprised its functioning, working and future plans. He further discussed the various scopes in alternative energy source harnessing. The students were acquainted with novel concepts such as Shale gas exploration (a nascent and predominantly uncharted territory). The lecture was followed by an interactive session with the enthusiastic students who were greatly benefited by Dr. Sarkar's words.

Industrial Trip to NTPC Dadri:

The ASME JMI student chapter organised an industrial visit to NTPC Dadri on the 23rd of November 2010. The idea behind the trip was to raise awareness amongst the students regarding the nitty gritty of a thermal power plant. The students visited various departments of the plant, such as TMD (Turbine Maintenance Dept), BMD (Boiler Maintenance Dept), coal handling plant etc. The working of the various departments was explained in detail by the accompanying faculty and NTPC employees. The visit proved to be a great learning experience and dispelled several prejudices about working in a power plant amongst the students. All in all, the visit was a high point in ASME's first year.





VISIT by GLOBAL EDUCATION CONSULTANCY SERVICES

On 22nd January 2011, a representative from GECS came to our faculty and proceeded to educate the students regarding the GRE and provide them with insight into what goes into choosing a coveted university for higher studies. It was followed by an interactive session where the student's queries were satisfactorily answered by the GECS representative, Ms. Victoria



Visit of Maruti Suzuki to Jamia Millia Islamia-

A lecture was delivered by Dr. I. V. Rao, MEO (Managerial Executive Officer), Division- Mechanical, Maruti Suzuki India Limited, on Automotive Industry in India. The lecture was basically focused on the new emerging trends in the automotive industry which will be implemented by the organization in the future. He also spoke about the evolution, present status, future challenges and opportunities of the automotive sector in India. He explained briefly about the new model development process in Maruti-Suzuki. He shared his views on the rising economy in the automotive sector in India. The session proved to be quite fruitful for the students, as it helped in augmenting their industrial awareness.



Visit of Mechanical Department Students to Green Manufacturing Summit by Confederation of Indian Industries-

A team of 12 students from Department of Mechanical Engineering visited the 1st Green Manufacturing summit on 17th-18th March 2011, organized by Confederation of Indian Industry in partnership with Organization for European Economic Development (OECD), Business and Advisory Committee (BIAC) to OECD, National Institute for Standards and Technology (NIST), US Department of Commerce and Fraunhofer Institute, Germany, at the Hotel Taj Mahal, Mansingh Road, New Delhi.



Mr Anand Sharma, Union Minister for Commerce and Industry, was the Chief Guest for the Summit and delivered the Keynote Address at the Inaugural Session of the Summit.

According to a study by CII and BCG report on manufacturing, the global market for green products is estimated at US\$ 190 bn and is expected to grow at 15% year on year. Also with a growing conviction across countries and industries for a greener growth model; it is imperative for the companies to imbibe “Green Manufacturing” as a policy.



This summit complemented Indian government efforts of promoting India as Green manufacturing location. The Summit specially focused on green products, technology, processes, best practices, advance manufacturing technique, technology acquisition process and experience from select sectors pertaining to all sectors across manufacturing.

Jamia Student live on NDTV Profit-

On the 13th of April a few students from the Mechanical Engineering department attended a recording of an Interactive Session Show- “Money Mantra” in the NDTV Profit Studio. Mr. Pankaj Pachauri was the host of the program. Two Dignitaries from LG India and Hitachi India were invited to discuss the topic, “Air-conditioner & Refrigeration business”.

Mr. Venugopal N Dhoot, CMD, Videocon Group teleconferenced from NDTV’s Mumbai Studio. The talks centered on the increasing prices, modest usage and the electricity consumption of A.C.s and refrigerators.



The knowledge and the research of the topic by our host Mr. Pankaj Pachauri was very wide and appreciated by all of the Dignitaries. Overall, this session proved to be fruitful to all the participants as it helped in increasing business awareness.



Interactive session on GRE-GMAT by “Mahavir Jain Academy” and “Princeton Review”-

An interactive session on GRE-GMAT was conducted by Experts from Mahavir Jain Academy and Princeton Review on 8th March, 2011. The session primarily focused on how the students can get enrolled for masters programs in different universities across the globe. They highlighted the important points concerning the GRE and GMAT and how students can get a good score in these examinations. They also outlined their teaching methodology and the basic educational differences between India and Abroad.

International Exposure to JMI Mechanical Students , Mafna Air Technologies, CANADA.

On 28th October 2010, a seminar was held in the premises of the Faculty of Engineering & Technology, Jamia Millia Islamia in which the final year mechanical students (ASME members) participated. It was addressed by the Production Engineer of MAFNA Air Technologies, Mr.Salman Akhtar. He is also the president of MAFNA. It was a two and a half hour seminar in which the students interacted with the intellect on the topic of Refrigeration And Air Conditioning .Mr. Akhtar ,who already has three patents under his name mainly focussed on the newer innovation and encouraged the students for the same . The job prospects of the RAC were also discussed in wide spectrum in which the students were seen taking keen interest. In the end, the students found the discussion to be very beneficial especially, for it being career oriented and innovative ideas being raised.



INERZIA 2011 :

The 29th of January 2011 bore witness to ASMEJMI's first ever annual technical cum cultural fest, INERZIA which garnered enthusiastic participation from students from all over Delhi. The fest was the culmination of intense hard work put in by both, the student members and the faculty mentors. The fest started at 10 AM and the curtains were lowered by 5:30 PM. Despite being a predominantly mechanical engineering themed fest, the fest drew participation from students from various faculties indicating the burgeoning potential and mass appeal that the event enjoyed. The event was an unqualified success and is sure to become a regular feature in the years to come.

Events: 1) Technical Paper Presentation

2) Robo war

3) Robo Soccer

4) U Can Fail! – A General quiz

5) Who Dares Wins



TECHNICAL PAPER PRESENTATION : “INGENUITY”:

INERZIA 2011 was kick-started by “INGENUITY”, a technical paper presentation (TPP). The theme for the TPP was Future technologies and the event saw participation from students from the likes of Netaji Subhas Institute of Technology, Delhi, GB Pant Engineering College, New Delhi, Delhi Technical University, USIT, Delhi, Maharaja Agrasen College of Engineering, New Delhi, Jamia Hamdard, Delhi, Indira Gandhi Institute of Technology, New Delhi etc. Apart, of course, from JMI’s brightest. Papers on various topics were ably presented by the students with topics as diverse as “Hydrogen as an alternative fuel” and “Bionic rehabilitation of the physically handicapped” were touched on by the students. The event was judged by Mr. Arshad Noor Siddiqui (Production Engg., Deptt. of Mechanical Engineering) and Dr. Zahid Akhtar Khan (dept of Mechanical engg). The participants were judged on the basis of originality of content, innovation, presentation skills, defence to cross questioning etc. The event was very successful and it proved to be very thought provoking for all involved, participants and audience alike.



U CAN FAIL!

ASMEJMI constantly endeavours to promote an inquisitive bent of mind amongst its student members. In furthering that very agenda, INERZIA 2011 was headlined by “U CAN FAIL!” a general quiz event which proved to be a major draw. A preliminary written selection round was conducted in the morning, which drew participation from well over 40 teams from all over Delhi. Six teams were selected for the final stage round which was held in the afternoon. The stage round comprised 4 rounds with progressive elimination of teams at the end of each round. After a gruelling yet, thoroughly enjoyable hour of hardcore quizzing, a team from Ramjas College, Delhi University emerged triumphant. The winners were felicitated and awarded a cash prize.



Robo-wars and Robo-soccer :

Inerzia provided all enthusiastic technophiles a platform to test their mettle, giving them an exhilarating exposure to the world of robotics. The event fuelled a competitive enthusiasm as well as an increased awareness of what goes into building and operating a robot warrior or athlete, amongst the participants, which was precisely the aim of the event. In Robo soccer two teams were to compete and attempt to outscore the opponent. “Robowars” was the ultimate battle of machines where two teams have to compete to win the battle by throwing the opponent out of the arena. The event proved to be very fiercely fought. Both the events were held in high spirits and showcased engineering at its best.



Who dares win-

The crowd participated with great enthusiasm in various activities conducted under the event ‘Who dares win’ in Inerzia’11. This event is tagged as the ultimate adrenaline rush, as this event attempts to bring out the hidden courage and will power of the students participating. The contestants must face their fears and conquer them if they are to win, for those who dare may win.

