

# NUSTNEWS



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## 35-37 SPORTS

**NUSTNEWS** is a monthly publication, produced by Student Affairs Directorate, covering various events across the entire University. It will be appreciated if the focal persons send reports right after the events so as to give them timely coverage.



## 01 HIGHLIGHTS

# First PCTN Member Universities' VCs' /Rectors' Conference



Pakistan Chapter of Talloires Network was created at NUST on July 1st, 2013. It was suggested by heads of all member institutions to convene a conference to decide the way forward. The First PCTN member universities' VCs ' Rectors' Conference was held at NUST, H-12, Islamabad on 19th November, 2013. Heads and representatives of 16 universities attended the conference. The conference was chaired by Rector NUST, Engr. Muhammad Asghar and ED HEC, Dr. Mukhtar Ahmad.

The conference opened with the welcome remarks by rector NUST who welcomed the guests. ED HEC in his opening remarks emphasized the importance of community service especially in the present circumstances that our country is facing. Focal Person PCTN, Dr. Irtiza Ali Shah gave an overview of Talloires Network and PCTN. Chief Coordinator PCTN, Mr. Mahmud Bajwa moderated the discussion on the agenda points. It was decided to set up a steering committee of 6 members headed by Chair PCTN, Engr. Muhammad Asghar (Rector NUST). The 6 member elected for a two year term included Dr. Mansoor Akbar Kundi (VC Gomal Unuversity), Dr. Talat Naseer Pasha (VC University of Veterinary and Animal Sciences), Dr. Zakir Hussain (VC Government College University, Faisalabad), Vice Admiral Shahid Iqbal (Rector Bahria University), Dr. Nisar Ahmad Siddiqui (Director Sukkur Institute of Business Administration), and Dr. Najma Najam (VC Karakoram International University).

A decision was made to hold steering committee meeting every six months to review programs, activities and policies. Approval was taken to establish a PCTN secretariat at NUST. It was decided expand the membership of PCTN. A quarterly newsletter

and an annual journal of civic engagement will be published. PCTN will also hold conferences, seminars and workshops to train students, faculty and staff in the area of civic engagement. It was also decided to give out recognitions and awards to the best community engagement project of member universities, detailed modalities of which will be decided by the steering committee in their next meeting. Each university was asked to designate a focal person (in charge of community service/ civic engagement department) who could be the point of contact for PCTN secretariat.

The conference attendees resolved to expand community service in their respective universities. It was decided to forge a collective vision and to advance in the fields of community engagement. Emphasis was laid on strengthening the community-university relationship by undertaking projects of use to communities in close locality of the university and by making the project sustainable. Many of the attendees present told about the exceptional community service work being carried out by their respective institutions and how community service has been made an essential part of the curriculum at some member universities.

In his concluding remarks ED HEC, Dr. Mukhtar Ahmad told the participants that HEC and British Council are working together to make civic engagement a part of curriculum in all universities of Pakistan. He also informed the house about HEC's plan to allocate funds of Rs.500,000 to universities with exceptional community engagement proposals.

# International Conference on Plants, People and Climate at SCEE



Climate experts, research scholars and students gathered to exchange ideas, research and expertise at the International Conference on 'Plant, People and Climate' held at NUST, Islamabad campus from November 5 to 7. 200 participants from Pakistan and nine international delegations from China, Iran, Nepal, Argentine, Poland and USA participated in the conference. The conference was organized by Pakistan Council for Science and Technology (PCST) in collaboration with the Higher Education Commission (HEC), the Ministry of Climate Change, National University of Sciences and Technology (NUST), Federal Urdu University, Karachi and Bahria University, Islamabad.

The event was graced by Federal minister of Science and Technology, Mr. Zahid Hamid, federal secretaries of science and technology and climate change, and Pro-rector NUST, Dr Asif Raza. Parallel sessions were arranged for the scientists to pre-

sent their ideas and to discuss the outcomes of research in an elaborate manner. The conference included information on several aspects of societal and environmental changes induced by the anthropogenic activities.

The conference provided a platform for sharing insights and data among all the participants, institutes and research centers and expanding the network of researchers, educators, governments and stakeholders to bringing a change and combating the global challenges that are impacting the human race in a drastic manner.

Dr. Shakeel Ahmed from NUST Institute of Civil Engineering (NICE), Mr. Lokhaiz Ali, PhD Scholar from Institute of Environmental Sciences and Engineering (IESE) and Dr. Muhammad Fahim Khokhar (IESE) presented their scientific studies that were highly appreciated by the audience.





# 14th Annual Population Research Conference



The 14th Annual Population Research Conference with theme 'Pakistan's Population: New Realities and Challenges for Human Development' was organized by Population Association of Pakistan in collaboration with National University of Sciences and Technology (NUST) Islamabad from November 20 to 21, 2013. Mr. Ahsan Iqbal, Federal Minister for Planning, Development & Reforms was the chief guest of the opening session.

The minister spoke on the need for action to address Pakistan's unsatisfactory development indicators. He said Pakistan had the hardware but needs strong software of human resource development. He outlined the government's new policy initiatives, which included expansion of reproductive health services, especially in rural areas through increased cooperation between ministries, a robust private public partnership and the adoption of 'birth spacing' as an important health intervention.

In her welcoming remarks, Ms. Shahnaz Wazir Ali, President Population Association of Pakistan called the conference a landmark event. She said that Pakistan's growing population also posed a serious threat to food insecurity. According to the recent National Nutrition Survey around 60% of Pakistan's total population is facing food insecurity. In these households, 50% of the women and children were found to be malnourished.

Engr. Muhammad Asghar, Rector, NUST, welcomed the guests and said that the students, the future leaders of Pakistan must be well conversant with the impact of a rapidly growing population on the economy, national development and wellbeing of the people. Mr. Marc-Andre Country Director, UNDP Pakistan also spoke in the event.

Addressing the concluding session of the conference the chief guest Ms. Saira Afzal Tarar, Minister of State for National Health Services, Regulation & Coordination said it is time to invest in education of our children to meet future challenges.

She said, "Until or unless we will not educate our people, we cannot achieve any goal". She said government as per its commitment in its party manifesto is in the process of developing a plan for the rapid development of human resources and providing meaningful employment to a growing young, educated segment of the population. Ms. Saira Afzal Tarar said our vision of human development and peoples' welfare takes guidance from the teachings of the Holy Quran and the Sunnah of the Holy Prophet (PBUH).

Addressing on the occasion Dean and Principal of S<sup>3</sup>H, Dr. Ashfaq H. Khan said that the pool of unemployed has been rising due to rapidly growing population in the country. Our Country cannot afford more unemployment, he said, adding, "We are talking about Demographic Dividend but this is demographic disaster which we are facing."

Ms. Shahnaz Wazir Ali, President Population Association of Pakistan said that evidence and data is available but now there is need to move these statistics to the tables of the policy makers. She said they need to reap the demographic dividend and Pakistan is mid-way through its demographic transition, as more and more young people enter the workforce. The young population can translate into a demographic dividend for Pakistan, she said adding but, if we did not take a stand to make our youth educated, it would produce adverse effects on our economy.

At the end two research publications, written by Dr. Zeba A. Sathar, Country Director Population Council were also presented to the Minister.

The Students from different universities, government officials, civil society, religious scholars like Mufti Muneeb-ur-Rehman and Izhar-ul-Haq and media persons including Dr. Javed Jabbar and Mr. Muhammad Malik attended the conference.



## Workshop on Incubation for MoST officials

Since the R&D organizations of Ministry of Science and Technology (MoST) are in the process of establishing Technology Business Incubation Centers (TBICs), the Secretary MoST requested NUST to conduct a training workshop for the representatives of R&D organizations of MoST at the Technology Incubation Centre (TIC) NUST, so that these organizations could be familiarized with the concept & operational policies of TBICs.

TIC through the platform of Professional Development Centre (PDC) conducted a two-day training workshop from November 6 to 7 at the Executive Hall of CIE for over 20 officials from 9 R&D organizations of MoST. Secretary MoST, Mr Kamran Ali Qureshi, graced the opening ceremony. On the first day, GM TIC, Akhtar Aki Qureshi gave a presentation on the role, concept and service models of TBICs, and shared with the participants the steps

required in planning and setting up of TBIC, beginning with the vision and mission of the incubator. It was followed by a presentation by BDM TIC, Sanna Choudhary, on the facilities offered by a standard TBIC, in particular TIC at NUST, the selection process of startups into TIC and their monitoring, evaluation and eventual graduation from TIC. The second day of the workshop was conducted by Intellectual Property expert Mr Shabbir Khan, who began with an overview of Intellectual Property, including patents, copyrights and trademarks, and concluded with a discussion on technology commercialization.

At the end of the workshop, Rector NUST awarded certificates to the resource persons and participants. The workshop received excellent feedback from MoST and other participants.



## Islam in Brazil: Photo Exhibition at NUST

The Ambassador of Brazil to Pakistan, H.E. Alferdo Leoni together with Rector NUST, Engr. Muhammad Asghar inaugurated the photo exhibition 'Islam in Brazil', on November 21 at NUST. The exhibition was attended by diplomats, NUST administration, faculty, students and journalists.

'Islam in Brazil: A photo exhibition' by Thomas Napoleao and Helena Jornada, aims at showing to Pakistanis a little known side of the Brazilian life and culture that of its Muslim Community. Currently, estimates indicate that there are 1.5 million Muslims in Brazil, spread all over the country's territory. The largest part of this community is concentrated in the southeast and south regions of the Brazil, with cities like Sao Paulo and Rio de Janeiro. This community is formed by migrants from all over the Islamic world, including Pakistan, and also by a large number of Brazilians who have converted to Islam. In this exhibition, communities are portrayed through pictures of their mosques, praying halls, as well as of the people, architectural and cultural details.

H.E. Alferdo Leoni said it was a great pleasure for the Embassy of Brazil in Islamabad to exhibit these photos in collaboration with NUST because they not only illustrate an important aspect of Brazilian culture, but also show yet another commonality between Brazil and Pakistan. The exhibition remained on display from November 21-28 at NUST, Islamabad.





## CES-NUST awarded \$405,000/- UNIDO Project

UNIDO/GEF in collaboration with Centre for Energy Systems (CES), NUST as one of the partner has launched a project 'Promoting Sustainable Energy Production and use from Biomass in Pakistan' on September 27 in a ceremony at Serena Hotel Islamabad. Federal Minister for Information, Broadcasting and National Heritage, Mr. Pervaiz Rashid chaired this event as the chief guest. The total project's worth is USD 1.8 million, and CES, NUST is assigned to conduct one component "Capacity building and strengthening of technology support system" with a budget of USD 405,000 encompassing the components including R&D development for biomass gasification technologies (BGTs) at CES, training of industrial manpower on BGTs and evaluating the potential of biomass gasifier fabrication at local level.

The plenary talk on the occasion was delivered by Mr. Alois P Mhlanga, Industrial Development Officer from UNIDO Vienna Austria. Dr. M. Bilal Khan, Principal CES said that the launching of UNIDO's project will be helpful to set the trends of biomass to energy, and Pakistan can produce 5000 MW of electricity every year using only available biomass. He further said that the biomass project will implement energy efficient utilization



in this non-commercial energy sector which accounts for almost 50% of energy consumed in the rural areas. As a distinguished speaker and Principal Investigator of Project from CES, Dr. Ehsan Ali also made a detailed presentation highlighting the biomass issues and their remedy using R&D facilities at CES leading to an established infrastructure with trained man-power to work for optimized outcomes from targeted BGTs. The chief guest, Mr. Pervaiz Rashid appreciated the initiative by UNIDO/GEF to contribute in the renewable energy sector in Pakistan to promote development and prosperity.

## Ukraine Embassy inaugurates Photo Exhibition and Documentary Projection on 'Holodomor 1932-1933

The Ambassador of Ukraine, H.E. Mr. Lakomov Volodymyr, inaugurated together with the Acting Rector National University of Sciences and Technology (NUST), Engr Muhammad Shahid, a Photo Exhibition and Documentary Projection on "Holodomor 1932-1933 in Ukraine" on November 26 at NUST Main Campus. The inaugural session was attended by diplomats, journalists, NUST administration, faculty and students.

The Holodomor ("Extermination by hunger" or "Hunger-extinction") was a man-made famine in the Ukrainian in 1932 and 1933. During the famine, millions of Ukrainians died of starvation in a peacetime catastrophe unprecedented in the history of Ukraine.

H.E. Lakomov Volodymyr, Ambassador of Ukraine to Pakistan said it was great pleasure for the Embassy of Ukraine in Islamabad to exhibit these Photos and Documentary because it illustrates an important yet grievous part of Ukrainian history. H.E. Lakomov Volodymyr appreciated NUST management for making the event successful. Acting Rector NUST, Engr Muhammad Shahid also gave his remarks to the participants and highlighted that nations should preserve their national history to provide a learning platform for the future generations.

The exhibition remained on display from November 26 to December 2, 2013 at NUST Business School, National University of Sciences and Technology (NUST), Islamabad.



*"There was hardly a home where no one had died of starvation. The death rate was appalling." - Yakiv Vilchenko, Holodomor eyewitness*

## Ambassador of Bosnia-Herzegovina visits

H.E Ambassador of Bosnia and Herzegovina, Mr. Nadim Makarevic visited NUST on November 6. Upon arrival, he met with Rector NUST, Engineer Muhammad Asghar and discussed matters of mutual interest. Later, the Ambassador was briefed about establishment, institutions, programs, research initiatives, industrial and institutional linkages and future plans of NUST followed by a discussion session.



The guest also visited NUST Business School (NBS), School of Electrical Engineering & Computer Science (SEECs), School of Mechanical and Manufacturing Engineering (SMME) and Attur-Rahman School of Applied Biosciences (ASAB) where he was conducted to various state-of-the-art labs. He showed keen interest in the research programs of NUST and appreciated NUST's Infrastructure and facilities provided for its faculty and students to ensure quality teaching, learning and research. H.E Mr. Makarevic expressed his desire to enhance collaboration between NUST and top Universities of Bosnia and Herzegovina in the areas of joint research, fellowships and exchange of faculty and students. The guest also showed keen interest to formalize these relationships between the Bosnia and Herzegovinian universities and NUST by signing agreements of understanding.

## Turkish Educationists visit NUST

A delegation of Turkish Educationists lead by Mr. Ali Surmen, Rector Bursa Technical University, Turkey visited NUST on December 5. Upon arrival, the delegation met with Pro-Rector (Academics) Dr. Asif Raza and discussed the matters of mutual interest. The delegation was briefed about the establishment, institutions, programs and future plans of NUST. The delegation also visited School of Electrical Engineering & Computer Science (SEECs) and School of Mechanical and Manufacturing Engineering (SMME) where they were conducted to various state-of-the-art labs. The Rector, Ali Surmen appreciated NUST's Infrastructure and facilities provided for its faculty and students to ensure quality teaching, learning and research. He expressed his strong desire to establish modes of collaboration between NUST and Bursa Technical University in the areas of joint research, fellowships and exchange of faculty and students.



## Danish Ambassador visits

Danish Ambassador to Pakistan, H.E. Mr. Jesper Moller Sorensen visited NUST Business School on November 25. Mr. Sorensen was invited to have an interactive session with the students and faculty of the Business school. The aim of his talk was to enhance the knowledge about the bilateral relations between the two countries.

In the two-hour session, he delivered a lecture on 'Trade and business opportunities between Denmark and Pakistan including study opportunities in Denmark'. The lecture was followed by a question and answer session during which students got a chance to clear their ambiguities about prospective study and work opportunities in Denmark and other trade related issues. The discussion was fruitful for the students and gave them an insight into future opportunities after graduation.





## NUST representation at 19th Annual IAPTC

The International Association of Peacekeeping Training Centers (IAPTC) is an association of international civilian, police and military training and research institutions working in the field of peace operations. Created in 1995, the IAPTC aims at facilitating communication and exchange of information between peace operations and other related training centers and among people responsible for, and interested in training for peace operations. Centre of International Peace and Stability (CIPS) delegation comprising Mr. Ali Baz (Principal) and Mr Umar Hayat (faculty member) represented Pakistan for the first time since establishment of IAPTC.



## Parent counseling session by Edvolution team of NCSC

Edvolution team of NUST Community Service Club started off this year to rivet everyone's direction towards the basic need of education for all individuals without any discrimination. Statistics reveal that unfortunately Pakistan has one of the lowest budgets allocated for educational purposes. According to GDP data of year 2004, only 2% was spent on education. The council kicked-off with an awareness campaign at H-12 for the sole purpose and motto that education is everyone's birth right. In order to spread the word, different sessions for parents counseling were conducted. All the parents were beseeched to increase the cognizance about education. Forms were signed by the parents who intended to set their children on the rails of education. The response from the parents was overwhelming and the work of the team was acknowledged. At the end of the day, Mr. Nabeel Younis, faculty member from SMME, visited the site and talked to the assemblage in savoir-faire manner.



## CEO Ocean Wave Power Plant Inc. California delivers lecture at CES, NUST

Mr. Ghazi A Khan, CEO Ocean Wave Power Plant Inc. California USA, visited NUST on November 7 and delivered a stimulating lecture to the faculty and students of CES on the prospects of Ocean Wave Energy in Pakistan. He demonstrated several designs/prototypes along with the several sites shared as follow up served to advance the understanding in the subject, which will help award practical projects to students for their Post Graduate thesis. The production of compressed air as means of harnessing the tidal wave energy by means of reciprocating float-piston-cylinder-valves arrangement was demonstrated through video involving equipment designed and fabricated by Mr. Ghazi. The promising idea can be conveniently translated into practical projects. Principal CES, Dr. Bilal remarked in his address "I am sure our team is now equipped with the necessary knowledge and inspired enough to make the prototype for simulated experiments at NUST."

## High School Outreach Programme

NUST BioReach Society (NBIOS) organised a High School Outreach program held in collaboration with Pak-US Alumni Network (PUAN), at the Atta-ur-Rahman School of Applied Biosciences from November 30 to December 1.

The two-day program was exclusively held to train young thinkers to learn scientific investigation tools. The volunteer team from ASAB consisted of mentors from amongst the senior students and faculty members who gave lectures and laboratory demonstrations on molecular biology and microbiology. After the introductory lectures, the participants were given the chance to implement the learned facts, as they were given demonstrations on bacterial cell culturing, antibiotic activity screening, DNA extraction and gel electrophoresis.

The two day outreach programme ended with a certificate distribution ceremony for the participants, mentors and teachers. The chief guest, Director Student Affairs NUST, Mr Mahmud Bashir Bajwa and the Principal ASAB, Dr. Peter John marked this session as a service to the community and applauded the brilliance of NBIOS organizing body.



## NUST student represents Pakistan in 3rd Tehran IBRO School on Neuroscience

International Brain Research Organization (IBRO) Asia Pacific Regional Committee (APRC) in collaboration with Tarbiat Modares University organized a 12-day international school on neuroscience in Tehran, Iran. The school hosted students from 7 different countries. Rabia Shakeel, final year MS student at ASAB, was one of the 24 students selected from Asia Pacific region for a fully funded hands-on training opportunity in the field of neuroscience. Apart from lab sessions, lectures were delivered by prominent scientists from around the world. On the last day of the school, students presented their research work and were exposed to the advanced research being conducted in the Asia Pacific region in the field of neuroscience.



## Teach for Pakistan recruitment and information session

A team of Teach for Pakistan visited NUST on November 12 and conducted recruitment/information session and on the spot interviews at SEECs. The students of final year graduating in 2014 were the target audience. Teach for Pakistan recruits outstanding graduates to teach for two years in under-resourced schools. An independent social enterprise, Teach for Pakistan is a partner in the Teach for All global networks of similar organizations working to expand educational opportunity in 32 countries around the world.

The Teach for Pakistan Fellowship is a highly selective, full time, two-year, paid employment opportunity. Over the two years, Fellows will be provided with on-going teaching support and leadership development opportunities, and will be closely supported by Teach for Pakistan staff and partners. Fellows will be employees for Teach for Pakistan as well as full time staff members of the schools in which they are placed.



## NRG Biofuels Canada Donates GCMS Equipment worth USD 50, 000 to CES, NUST



NRG Biofuels Canada recently donated a Gas Chromatograph-Mass Spectrometer (GCMS) worth USD 50,000 to Center for Energy Systems (CES), NUST as part of their ongoing support in the renewable energy domain. CEO NRG Biofuels, Mr. Chris Willmann wrote "I am pleased to announce and follow up in deeds on our commitment made in March 2011 as part of the joint MoU, NRG Biofuels Inc arranged to furnish certain lab equipment. At this time we would like to take the opportunity to donate a Gas Chromatograph-Mass Spectrograph to hasten the research efforts conducted on our behalf and as a sign of goodwill". Principal CES extended his compliments in his response, "We would like to thank you for your continued support as evidenced by your current donation of this precious piece of equipment. Because of your generosity we are able to further our mission in advancing the cause of applied research at NUST. A GCMS is crucial to our current line of experiments. It means a world to us and all of the researchers who are able to participate in the ongoing research". NRG Biofuels previously donated variety of equipment to establish the renewable energy lab and established Biofuel Park at NUST, apart from supporting human resource in terms of research associates and technicians. With the current donation, the company's investment at NUST now exceeds PKR 35 million.

## Shaukat Khanum, Sania Saeed and NUST unite at 'PINK DAY'

The NUST Science Society (NSS) in collaboration with Shaukat Khanum Memorial Cancer Hospital and Research Center (SKMCH&RC), held a breast cancer awareness session on November 8 under the name 'Pink Day'.

The session commenced with the Press Secretary NSS, Anum Khan's address. She highlighted a purpose of organising the session and on how it could contribute to raising awareness among the women folk. The guest speaker Dr. Shumaila Shabbir, currently a medical officer at SKMHRC, shared eye-opening facts about breast cancer in Pakistan and the disease in particular. She reflected upon the increasing incidence of this disease in the younger generation with the most unpredictable occurrence in a 12-year-old girl. Lastly, she quickly communicated tips to avoid and prevent this deadly disease.

To shed light on the contributions of SKMHRC, the marketing manager of the hospital Miss Atiqa urged the audience to contribute to SKMHRC's project launch of a new hospital in Peshawar.

Another guest speaker Miss Sania Saeed broadened the understanding of the audience in just 20 minutes of her speech.



She elucidated how the problem lies with our lifestyle and the women needed to get themselves educated and embraced gender equality for their fundamental rights including health. Chief Guest Dr. Sadaf Zaidi narrated her personal experiences and emphasized on the natural ways of preventing breast cancer.

Followed by a Q/A session, the chief guest awarded the guest speakers with souvenirs and bouquets. Lastly the chief guest was honored by the press secretary with bouquet leading to the winding up of the session.

## Five-days Preparatory Workshop for PMP Certification Exam

Professional Development Center (PDC), a constituent of NILE organized a five days preparatory workshop for Project Management Professional (PMP) Certification Exam of PMI, USA. This workshop was held from October 30 to November 3 for those working professionals who planned to appear for the PMP certification exam. It invited diverse participants from NGOs, British High Commission and NESCOM along with other organizations.



Resource person Mr. Muhammad Kamran Khalid is a lecturer at NBS and a certified PMP trainer. The Chief Guest on the opening ceremony was A/Principal NILE, Dr. Qaiser H. Malik. He stressed on 'active learning' which emphasizes on thinking out of the box and linking experience with the contents of the lessons. He encouraged the participants to extend their borders of knowledge outside the defined course contents. This he said is the basic aim of a vibrant person.

The workshop imparted knowledge on the 10 basic areas of the Project Management Body of Knowledge (PMBOK). Major incentives for the attendees were web access for exam simulations as well as awarding of 35 hours to participants,

which enabled them to earn Professional Development Units, a requirement to appear for the PMP examination of PMI, USA. The workshop involved intensive learning through Quizzes, Videos, Case Studies and Practical Exercises.

## Foreign experts visit CES-NUST

Mr. HE, a Chinese Engineer and Dr. Xinying Liu, senior faculty and distinguished researcher at the University of South Africa paid an extended three-weeks visit to Centre for Energy Systems (CES), NUST to supervise the installation and commissioning of the GTL Lab funded by FFCL at a cost of USD 65,000. The research facility consisting of advanced instruments, controllers, transformers, Syngas supply system, vertical reactors, downstream separators and GC analysis equipment was installed and tested by the overseas experts with the help of local team. This is the first such facility in the country and only the second in the world to be housed by a University.

Following installation of the facility, Dr. Liu delivered a stimulating talk on XTL processes (conversion of carbon resources into liquid fuel). XTL is an important theme which covers the pivotal technology involved in the conversion of coal, natural gas, or biomass to high quality clean burning diesel fuel. The technology originally developed by petroleum lean, coal rich Germany at the fading stage of world war-II has henceforth become commercialized. However, it is owned and practised by only a few companies in the world, namely, Sasol, Shell, Exxon-Mobile and Cyntrroleum.

Sasol Co. of South Africa is producing 160,000 barrels of XTL diesel per day at an average price of USD 30/barrel. In Pakistan's context, with 60 coal gasifiers at a cost of USD 650 million a 20,000 barrel/day facility can be established at Thar, utilizing coal gas. This will entail foreign exchange savings to the tune of USD 960 million at the prevailing rates.

## Project Umeed launched by NCSC

NCSC Edvolution team launched an educational project for Maseeh Gill Colony H-12 Islamabad; a slum area with less fortunate residents. Nearly 95% of children living there attend government schools and majority of them cannot afford home tuitions. Due to the uneducated background, down playing of education and work load, parents are unable to attend to their children. Project Umeed aims to provide the less fortunate with home tuitions gratis. The team is in continuous coordination with the school heads and is synchronized with their curriculum. The team intends to eradicate the concept of child labor from minds of all individuals as well as spread awareness towards technological advancement. The projects also want to hold educational sessions on alternate days with students from nursery to matriculation. In the last month, successful sessions were conducted and the response was very promising.





## 4th batch of BMAS Programme commences at NIPCONS

4th batch of Bachelors in Military Art and Science (BMAS) commenced at 6X NUST Institute of Peace and Conflict Studies (NIPCONS) Campuses in October 28. As many as 215 students are undergoing this programme under the MAS Department of NIPCONS. A/Principal NIPCONS, in his opening address to the young Officers, emphasized on the quest to acquire knowledge to help them in refining their personality and professional skills as they progress in the service. He also mentioned transition of NIPCONS to an almost paper less environment where all teaching /reference material is available online through Learning Management System (LMS). Furthermore all exams / tests are being conducted simultaneously from all distant HRDCs. The examination system based on the LMS has been extremely successful and is fully matured.

In order to broaden the intellectual horizon of the Young Officers, a series of lectures by eminent speakers is being arranged as permanent feature. The quality of questions by the students indicated a high level of understanding and assimilation. Moreover, the opening lectures of various courses continue to be delivered on-line through the video conferencing system.



## Principal RCMS represents NUST at QS Asia Pacific Professional Leaders Conference in South Korea

Dr. Ahmed Ejaz Nadeem, Principal/Dean Research Center for Modeling & Simulation (RCMS) represented NUST in 9th QS Asia Pacific Professional Leaders in Education (APPLE) Conference and Exhibition. The conference was held at SUNGKYUNKWAN UNIVERSITY (SKKU) Campus, South Korea from October 30 to November 1. The event was attended by more than 1000 participants from 45 countries. Dr. Ejaz delivered the talk on 'Higher Education Revolution in Pakistan'. The participants of the conference showed keen interest in the country report from Pakistan and the presentation generated extensive discussion during the question and answer session. Quacquarelli Symonds (QS) is a British company specialising in education and study abroad, founded in 1990. QS is also a leading global provider of specialist higher education on careers information and solutions.

## SADA collaborates with Dulux in a renovation project for the under-privileged

SADA collaborated with one of the biggest paint-producers of Pakistan, Dulux in a renovation project of an orphan educational institute, 'The Children Planet'. The aim of the project was to provide community service work to an under privileged educational institute by making its environment amiable and responsive. While Dulux sponsored their merchandise in the form of paint, SADA students gathered up their brushes, rolled over their sleeves and thus, commenced the renovation project.

The initial state of the building was dull and the interior was layered in the generic yellowish white. The goal was to convert it into something that was colourful and a better place, that would ultimately attract the students that were enrolled in the primary and secondary portions of the school. A team of nine students and two teachers from SADA made substantial transformations to the rooms and corridors. The main tool to visually accessorize was the use of stencil, which they developed and learnt how to use through experimentation. The most exciting interval of the project turned out to be the part where everybody splashed painted on their hands and started to stamp the walls away, literally marking the commencement of an improved inhabiting experience with their hands.



## Orientation Program for newly inducted NG staff

Professional Development Centre of NILE in collaboration with HR Dte organized one day orientation training for the newly inducted NG Staff of NUST. DD HRD, Mr. Mohammad Javed Sarwar gave a rundown of the program and emphasized the importance of the support staff at NUST and their role.

Mr. Sarib Hayat, AD HRD gave an overview of NUST, various directorates and their functions, constituent colleges/schools and their programs, channel of communication and reporting through directorates, overview of HR Dte, employment cycle, of contract employment, renewal of contracts and performance appraisal report. Ms. Rabia Tabbasum HR representative enlightened the participants about the dress code, discipline, transport facility, support services i.e. medical & cafeteria, salary, opening of account, ATM facility, leave policy, processing and approval, etiquettes/manners while interacting with officers/ students/ peers/ women at workplace, hygiene and cleanliness (personal & environmental). Ms. Noreen Akhtar from C<sup>3</sup>A briefed the participants about the functioning of C<sup>3</sup>A (Centre for Counselling and Career Advisory) and employee's adoption/ motivation to perform optimally under NUST environment. Mr.



Munawar Hussain representing NUST security department explained the issuance of NUST card and its safe custody, checking at entrance gate, reporting of abnormal & suspicious behaviour, temporary NUST cards for short visit, SOP in case of emergency, secrecy/security of information and resources.



## 02 UPDATES FROM SCHOOLS

# SCME Convocation



A total of 72 graduates received degrees in the disciplines of Chemical and Materials Engineering at the second undergraduate convocation of NUST, School of Chemical and Materials Engineering (SCME). The convocation was held at CIPS main auditorium in the H-12 campus. The President's Gold Medals were awarded to Chemical Engineer, Anum Shafique and Materials Engineer, Tooba Shoaib. The Rector's Gold Medals for the best projects were awarded to Chemical Engineer, Khan Ume Salma Danish and Materials Engineer, Tooba Shoaib.

SCME Principal, Dr. Mujahid welcomed the gathering. He said, "I hope you have not cultivated the illusion; after acquiring engineering degrees that you have completed the learning process." He urged them to capitalize on the acquired knowledge and utilize their energies in exploring new knowledge through research.

NUST Rector, Engineer Muhammad Asghar said it was indeed a matter of great pride for NUST to be able to produce its second

batch of SCME graduates. He apprised the audience that the school was undergoing evolutionary growth and was offering undergraduate, MS and PhD programmes.

Chief Guest, Engineer Sohail Wajahat Siddeequi Karam, CEO Green Energy, extended his felicitations to the graduating students, their parents and the esteemed faculty. He said, "The knowledge that the students gain at the university serves as the backbone of our industry and economy." He advised the students to increase their knowledge and professional expertise and give the society their best. He said he could see prospective industrialists in them, and hoped that they would take on professional challenges and transform them into golden opportunities. He stressed the need for developing academia-industry linkages and commended NUST's role in this area. He was all praise for the fast-paced growth of the SCME, terming the school a glorious addition to the NUST.



# 25th Convocation at PNEC

25th convocation of Pakistan Navy Engineering College (PNEC) Karachi, a constituent college of National University of Sciences and Technology (NUST), was held at Bahria Auditorium on 28th of November. Engr Muhammad Asghar, Rector NUST, was Chief Guest for the occasion. A total of 198 graduates from 02 batches were conferred BE degrees, 73 students were awarded BE degree in the discipline of Mechanical Engineering, 31 in Electrical Engineering, 35 in Electronics Engineering, 21 in Industrial & Manufacturing Engineering and 38 students acquired BS degree in MIS.

The Commandant PNEC in welcome address thanked the Chief Guest, Engr Muhammad Asghar, Rector NUST, Mr Khawaja Ghazanfar Hussain, and all the guests for their presence. Commandant also congratulated the graduating students, praised the faculty for hard work and parents for their continuous support to complete the degree. He apprised the audience about the community services projects of PNEC students in rural areas, particularly along the Makran coastal belt. He also mentioned participation of PNEC students in various national and

international co-curricular activities particularly their participations in Shell Echo Marathon, research papers.

While addressing the audience, the chief guest congratulated graduating students and their parents for coming to NUST-PNEC. Rector NUST apprised the students of the challenges of practical world and urged them to continue their hard work and uphold reputation of the institute. He said that PNEC is actively pursuing its development objectives entailing initiation of new disciplines to keep abreast with the latest technological advancements. Graduating of first BS (MIS) program is a testimony of PNEC endeavours. He also admired the college faculty for their relentless efforts which have earned the college an unprecedented reputation. He highlighted the significance of Alumni in creating relationship between Academia and the industry and further emphasized to play active role in improvement of the curricula of college in line with industrial needs. At the end, he appreciated the Commander Karachi and Commandant PNEC for successfully hosting the memorable event of silver jubilee convocation.



## Shell Projects and Technology Director at E&ME

Shell Projects and Technology Director, Mr. Matthias Felix Bichsel, along with his team members, Mr. Frits Michiel Alexander and Mr. Omar Sheikh visited NUST College of Electrical and Mechanical Engineering (EME) on November 11. Shell is a global group of energy and petrochemical companies. The parent company of the Shell group is Royal Dutch Shell plc, which is incorporated in England and Wales.

A seminar on the global perspective of such technologies was hosted by the institute. Over 100 faculty members and 800 students attended the seminar. The seminar consisted of oral sessions covering topics of 'Environmental impact assessment in upstream oil industry specially exploration and production (E&P) sector' and 'Technology & Innovative approach of SHELL Global towards renewable energy, carbon capture and storage, and CO<sub>2</sub> related R&D'.

The interaction of students with Shell management and technology experts opened new windows. The visit further broadened the linkage of EME and Shell Pakistan which will help in jointly hosting national level events like Design, Build & Energize Competition in future.



# MECHATHON'13

The much awaited Mechathon'13 kicked off with panache exceeding the expectations of many. The event was organized by IMechE NUST student chapter at the NBS Futsal grounds on November 11. As many as 120 Nustians participated in the event.

Mechathon'13 featured two competitions, namely, the Bridge Building and Rocket Propulsion. Participants were provided with the required material and a time limit of 90 and 45 minutes was allotted for the completion of building bridges and rockets respectively. The purpose of the event was to encourage students to be creative and innovative. Dr. Sami-ur-Rahman and Mr. Adnan Hanif from SMME were invited to critically judge the participants' performances. The chief guest for the evening was Dr. Abdul Ghafoor, Principal SMME at NUST.

In the Bridge Building competition, the participants built various types of bridges; from Pratts to Bowstrings, Parker to Baltimores and in the Rocket Propulsion competition, participants turned up with a number of innovative aerodynamic designs for their rockets by adding fins, nose cones and vanes etc.

Later that evening, awards were distributed by the chief guest to the winners. In the Bridge Building competition, second position was credited to the group 'Bridge Brigade', while 'Wehshi Qasai' got the first position.

In the closing address, the Principal SMME appreciated the efforts of IMechE student chapter at NUST in successfully managing the entire event. He further added that events like these exploit the latent potential of students and opens new horizons for them in future.



## NCSC members attend International Women's Conference

NUST Community Service members attended 'International Women's Conference' on November 29, organized by Islamic International University in Quaid-e-Azam Auditorium, Faisal Mosque. The two-day conference was organized on the theme of 'Emerging role of Women in Muslim Societies-Opportunities and Challenges' and was attended by delegates from more than 20 countries around the world, including Turkey, Egypt, Malaysia, Sudan, Thailand and Iran. The conference held sessions on different issues that the modern Muslim Woman faces in today's setup, including 'Women at Work' and 'Educational Opportunities and Preferences'. In the closing ceremony, the participants of the conference put forward their recommendations to the governments of the Muslim countries and it was announced that a follow up conference would be held after three years, in order to study the impact. It was demanded that women be given flexible working hours and maternity leaves from work, to bridge the gap between governments and civil societies as well as to understand the respect and honor of a woman and to focus on family as a basic unit. The event was attended by Rector IIUI, Prof. Dr. Masoom Yasinzai, Pro Chancellor Ripah, Mr. Hassan M. Khan and Chairperson Intl Muslim Women Union, Dr. Kausar Firdaus among others.



## SEECs Jirga

The SEECs Literary Society holds Jirga every year to determine the ultimate debating titan in the school. This year's Jirga commenced on October 6 and continued till the month of November. The competition was based on a series of knock-out rounds. Speakers from each class took their turns for one minute each to deliver their arguments. Several such rounds ensued, after which both sides were given a couple of minutes to draft a conclusion that would mark the end of the match. As many as 31 matches were conducted before the final match. This year marked the first instance of a freshmen class reaching the final, a glowing testament to the abundance of hidden talent within every new incoming batch. This was followed by the much awaited clash between David and Goliath which took place in the scenic fountain area of SEECs on November 6.



## SCME faculty wins Elsevier' Quiz for Science

Lecturer Nouman Aslam Khan of School of Chemical and Materials Engineering (SCME) emerged as the winner of 'Quiz for Science' in Pakistan which is a competition that recognizes local research efforts from across the country. It was launched by Elsevier, a world-leading provider of scientific, technical and medical information products and services. The competition was based on content and information available through Science Direct, Elsevier's database of scientific, full-text information. The winning prize included an iPad which was an incentive for many student participants.

There were a series of 15 questions in different categories which were optional for participants. The highest score in all categories was selected as the winner. Students, researchers and faculty of 30 leading universities and institutions in Pakistan that have access to Science Direct through the digital library program of the Higher Education Commission (HEC) participated in this quiz.



## PhD Thesis Defense by SCME faculty

Mrs. Erum Pervaiz, PhD scholar at NUST School of Chemical and Materials Engineering (SCME), presented her PhD thesis on November 17 at SCME seminar hall. Her thesis was titled 'Synthesis and Characterization of Cobalt and Nickel Based Spinel Ferrules by Wet Chemical Methods'. Spinel ferrules belong to an important class of magnetic materials. Her work composed of using 3 wet chemical techniques for synthesis of nano-sized ferrites in the range of 15-36 nanometers. Cobalt and Nickel based spine ferrules were doped with different tri-valent cations like  $\text{Cr}_3^+$ ,  $\text{Al}_3^+$ ,  $\text{Ho}_3^+$  and  $\text{Sb}_3^+$ . The objective of the work was to enhance the electrical properties of the prepared nano ferrules and to see the influence of synthesis technique and dopant on the electrical and magnetic properties.





## College of E&ME Olympiad

EME Olympiad 2013 was held from October 31 to November 3. With 56 events and over 3000 registrations from all across Pakistan, the Olympiad was an astounding success. It was a panorama of social, technical and arts events along with sports, robo-wars, sketching spree, wall climbing competitions, junk art, master chef and movie nerds being some of the notable events. Participants enjoyed the colorful and fun-filled activities while carnival rocked the house.

Technical events included Integration bee, Minute to win it, Robo-wars, Speed designing, Speed programming, Bridge Building, Brain juice, Egg drop, Track Mania, Biz Wiz, Speed marketing and the Clash of the Titans. Arts events brought out the creative side of the participants with Bilingual declamation, Sketching spree, Junk Art, Rampage, Snap it, Dramatics, Movie Nerds, T-shirt Designing, Model United Nations, Thematic Films, Wall graffiti, Dare to win and Posteria. Sports competition challenged the physical strength of the youth with Futsal, Field hockey, Tennis, Golf, Squash, Water polo, Cricket, Volley ball, Wall climbing, Basketball and Free style fiesta. At the end of each day, social events organized by the students included Cars & Bike Shows, Scavenger Hunts, Carnival with Basant night, EME Rochathon and the Mad game, enabled the participants to relax themselves after a competitive day.



## Oath taking ceremony of NBS

Oath taking ceremony of NBS elected body of students for the year 2013-2014 was held in NBS Seminar Hall on November 29. Dr. Naukhez Sarwar, Dean & Principal NBS took oath from the newly elected members of the different societies. The students of year 2012-2013 were awarded certificates for acknowledgement of their active services. Later Principal NBS addressed the students.





## Launch of AIChE and ASM International Student Chapters

NUST Science Society (NSS) has sponsored the launch of student chapters of two major international organizations of the world; American Institute of Chemical Engineers, (AIChE) and American Society of Materials International, (ASM International). These student chapters of AIChE and ASM International at NUST will be a gateway to useful resource material; linkages with experts; international recognition and learning opportunities for the engineering students. Through their membership students can have access to publications, education and training, career advisory services, discounts, certifications, networking opportunities, and professional development resources in cost-effective and user-friendly format. The executive body and basic organizational framework was constructed with the aid of the chapters' faculty sponsors and NSS. Both societies promise an educative calendar of events.



AIChE®



ASM International

## Lecture on Attabad Lake Land Slide at NICE

A lecture on 'Attabad Lake Landslide' was given to the UG batch 2010 of NUST Institute of Civil Engineering (NICE), SCEE on November 20. The guest speaker, Dr. Nasrullah Abeer, FWO explained the details of the occurrence of a huge landslide at Attabad. He explained about the damages that occurred during the landslide, both human and property especially the submergence of KKH due to forming of lake upstream of the landslide. Then guest speaker gave details of various options that were considered by Government of Pakistan to reclaim the land and KKH submerged by the landslide.



## Career Development Session at NBS

As part of CIL practices, a Career Development Session was arranged for the final year students of NBS. Mr. Tipu Zaheer, Manager HR, Uch Power (Private) Ltd. was the resource person. The session was held in NBS Sherazi Board Room on November 27. The students of MBA-2K12 and BBA-2K10 (final year) were in attendance. Mr. Tipu shared his personal experiences how he managed to survive in the industry and also the key indicators for success in the real world. As an HR Manager he also guided the students regarding different processes of recruitment in Uch Power and number of opportunities waiting for them.





## CAE Open House

College of Aeronautical Engineering (CAE), Risalpur organized an impressive open house ceremony and Best Projects Presentations of 75 Engineering Course on September 3. The event was organized to showcase the final year Projects of both 75 EC and NUST Cadets and to introduce the graduating officers and engineers to the industry.

The event was attended by various officers representing different engineering squadrons of PAF, along with the faculty of CAE, NUST and Air University. The Air Officer Commanding PAF Academy, Risalpur, Air vice Marshal Rashid Kamal SI (M) was the chief guest at the ceremony. The inaugural address was given by the commandant CAE, Air Cdre Abdul Munem Khan in which he highlighted the active role of the faculty and the unflinching resolve of the students that led to the realization of innovative final term projects.

The ceremony included presentations of best projects as judged by the faculty of Avionics and Aerospace departments respectively. Pilot Officer Bilal Munir presented his project on 'Methodology to determine remaining life estimation of an aircraft using FDCVR data' and NUST Cadet Waleed Tahir presented his project, 'Development of Indigenous Quadrotor UAV (Phase III)'. Both the presenters were awarded certificates of excellence and monetary awards for their sheer hard work and innovation. This was followed by handing over of project packs as developed by the students to the sponsoring units of Pakistan Air Force. The ceremony ended with the chief guest, AVM Rashid Kamal SI (M) appreciating the efforts of the Comdt, faculty and most of all, the students whose final year projects were considered a proof of how much potentially they can contribute to PAF in specific and Pakistan in general.

Later, the projects were displayed at the Structures Laboratory for the guests. Industrial experts had direct interaction with the endeavors of graduating engineers.



## Workshop on Constructing MCQs - one best type

Workshop on 'Constructing MCQs - one best type' was given by Mr Irfan Shukar on November 9 at Army Medical College (AMC) conference room. All the basic sciences and clinical faculty and Principal AMC Mr Salman Ali attended the workshop. The arrangements were planned and carried out by the department of medical education Army Medical College as a part of faculty development.

Workshop sessions included interactive sessions on the Case-based learning (CBL), discussed as a long established pedagogical method, which is defined in a number of ways depending on the discipline and type of 'case' employed. In health professional education, learning activities are commonly based on the type of patient's case. The facilitator outlined the integration of the basic, social and clinical sciences in relation to the case with clinical presentations and conditions (including health and



ill-health). The faculty were given different tasks to compare the PBL and CBL methodologies during the discussion. This workshop was beneficial for all faculty members involved in teaching undergraduate students, residents' teaching and assessment.

### Best UG Project Award at MCE

Graduating Course OD 72 and CED 73 (Civil Engineering Wing) presented a total of 20 Final year projects. The project titled "MCE Design Pro-Using Visual Basic" supervised by Dr Muhammad Rizwan was declared as the best project of the year 2013 and has been nominated for the Rector's Gold Medal. The syndicate developed software capable of designing all reinforced concrete components of a building (footing, columns, slabs, retaining wall, water tank etc.). Asad Ullah Satti was the syndicate leader. Other members included Muhammad Asif, Muhammad Saad Attique and Muhammad Awais. The panel consisted of Dean Dr Muhammad Naseem Baig and all respective Head of Departments.

## Clean Up Drives in C1 and C2

NUST Environment Club (NEC) began the new academic year with a series of clean-up drives all around the H-12 campus. It was a gratifying activity for the club and almost everyone from executives to directors to office bearers participated in it. The cafes were, of course, the commencement point. In the afternoon when the café was almost jam-packed, NEC team arrived wearing green shirts and carrying empty cartons and boxes. The team members went around the café gathering plastic bottles from empty tables, staircases and lawns and also urged the students to throw their bottles in the waste bins. The purpose was to give a reminder to students that plastic is a non-biodegradable substance and hence needs to be re-used and recycled as it cannot decompose.

Seeing the enthusiasm of the NUST Environment Club, it was heartening to see many students joining in the cleanup drive and voluntarily coming up and throwing their bottles in the boxes. The event was held to instill awareness among the students about reduction in the use of plastic, and also about re-cycling, teaching them how to practically participate in activities that can save our ecosystem for a better and healthier tomorrow.



## CMS Design Phase Workshops

NUST Enterprise Technology Transformation project (ETTP) has successfully dowelled many gaps in the sessions held during the month of October and November, 2013. Not only H-12 Institutes and Military colleges but also the central Directorates took part to forge a way in this process. All the stakeholders actively participated and provided their valuable feedback in these sessions. Consensus development across NUST on different policies and procedures was built by Campus Management System (CMS) team. Core Academic life cycle comprising of modules like Attendance, End of Term, Grade book, Financial Aid, Student Financial Research Tracking & Thesis Management, Catalogue & Scheduling, Enrolment and Academic Advisement were discussed and evaluated critically. Currently the sign-off for Design phase is in progress and after completion of this milestone the approved signed-off processes will be configured in CMS.



## Disaster Risk Reduction (DRR) Framework: Current and Post 2015

An international Seminar entitled 'Disaster Risk Reduction (DRR) Framework: Current and Post 2015' was held on November 21 at Institute of Environmental Sciences and Engineering (IESE), School of Civil and Environmental Engineering.

The seminar was delivered by Mrs. Madhavi Malalgoda Ariyabandu, Regional Program Officer, United Nations Office for Disaster Risk Reduction (UNISDR), Bangkok, Thailand. Dr. Fahim Khokhar from IESE opened the seminar by highlighting the threats posed by uncontrollable disasters and climate change experienced in Pakistan and worldwide.

The speaker, Mrs. Madhavi, commenced by engaging and providing a path for the audience to know what exactly Disaster Risk Reduction (DRR) is and mentioned that the death rate and casualties posed by disasters after 1960's have become difficult to handle. That was the time when different nations of the world started paying attention on this critical yet alarming issue. She emphasized on the fact that the 'disasters are not natural', rather a retaliation from nature for what humans have been doing to it.



***"Communities are using the law as more of an emergency management tool, when we really need them to think more broadly in terms of how to eliminate risk." - Phill Berke***



## Energy Confessions

The NUST Environment Club (NEC) held another engaging and fun activity called Energy Confessions on November 5. The event, indicated by its name, followed a recent online trend of people spilling their secrets pertaining to a certain genre, only this time it was to be about their habits of wasting energy and resources where they ought to be preserved or utilized better. Large discarded flex sheets were spread hung on boards and placed in both Concordia 1 and Concordia 2 cafes, with "Energy Confessions!" written on it in a magnificent writing, causing a stir of curiosity and excitement among the lunchtime crowds. The students as well as the NEC members themselves got involved in writing down their particular confessions on boards. We all know that we live in an age of rapid energy consumption. The depletion of non-renewable energy resources has pushed men to search for alternatives i.e. from land to ocean beds. "Energy Confessions" was about acknowledging our carelessness that leads to energy wastage. This activity helped to change those little habits that over-consume our limited resources.

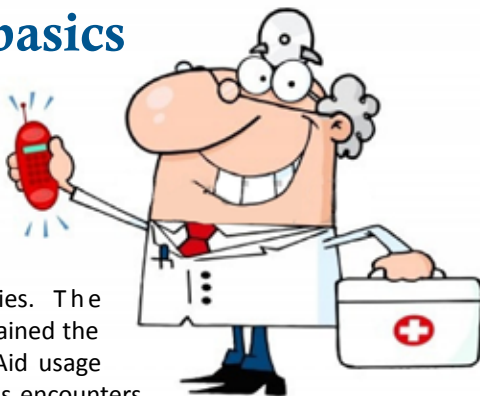


## RCMS faculty delivers talk at National Conference on Space Science

The Institute of Space and Planetary Astrophysics, University of Karachi organized the second National Conference on Space Science from October 7 to 8. The conference was organized in collaboration with HEJ Research Institute of Chemistry, SUPARCO, Higher Education Commission and Pakistan Physical Society, Sindh Chapter. The conference was held during the time duration of the World Space Week 2013. The main theme of the conference was 'Exploring the Universe'. Dr. Adnan Maqsood from RCMS, NUST delivered the keynote lecture on 'Overview Low Reynolds Number Flight: From Earth to Mars'. In this talk, a holistic perspective of the challenges faced by technology protagonists to develop low Reynolds number flyers for Earth as well as Mars were laid down and then the efforts carried out by Aerodynamics and Flight Mechanics Research group of RCMS were presented.

## First Aid basics Seminar

NUST Community Service Club organized a seminar on First Aid as part of their lecture series. The resource person explained the importance of First Aid usage through his numerous encounters of life-threatening situations where his First Aid knowledge had saved lives. He explained the basics of CPR (insert mechanism of how to give CPR) and showed a video as well. Although there was no dummy available for the students to practice CPR on, faculty sponsor NCSC, Dr. Irtiza ensured students that CPR training will be part of the following sessions. The trainer described various situations ranging from snake stings to fire hazards where using small techniques of first aid can reduce the severity of damage. He also mentioned the different pressure points in the body that one must know in order to stop blood flow in case of cuts or blood loss.



## SNS Faculty and students attend National Workshop

Faculty member, Dr. Muhammad Imran, in the mathematics department at School of Natural Sciences (SNS) attended the National Workshop on Recent Advances in Graph Theory and Combinatorics, held from November 22 to 24 at Centre for Advanced Studies in Mathematics (CASM), LUMS, Lahore along with PhD students Mehar Ali Malik, Hafiz Muhammad Afzal Siddiqui and M.Phil student Sakander Hayat.



## Student selection for GCS Conference to be held in India



NUST Science Society has announced that it will be sponsoring a delegation to The Global Crisis Simulation (GCS) Conference to be held in Mumbai, India, in February, 2014. At the Mumbai GCS conference, over 500 international delegates will have the opportunity to combine Model United Nations style debate with GCS's unique multi-sector and crisis workshop format. For this purpose a mock session was held on November 25. The Crisis situation for the mock session was a toxic waste release into the river by a Computer chip manufacturer in China, which leads to all the villages around the river being poisoned. The committee was given the task to find out ways to save the land, wildfire, and people and to ensure strict measures for all manufacturers and enforce measures on China. NUST students from all departments were invited to attend this selection session. Countries were allotted on-spot by the panel to all applicants who came to the trial session held in SCME. The final team was selected on the basis of their performance in this session.

## LMS Orientation Session at Army Medical College

Learning Management System (LMS) Orientation Session was conducted by LMS team at Army Medical College, Rawalpindi on November 5. The meeting was chaired by Dean & HoD Biochemistry (AMC) Maj Gen Abdul Khaliq Naveed. Vice Principal (AMC), Brig. Dr. Ghulam Raza and all HoDs, faculty/representatives from MH and CMH attended the orientation session. The interest of AM College management and faculty in LMS deployment at AM College was indeed an encouragement for the LMS team.

The orientation session started with an LMS introductory presentation by Ms. Asma Paracha. She shared the LMS deployment at NUST institutions and its step by step progress during last three years and its features including LMS efficient usage, ease, time saving factors and customizations. Some benefits were also shared with AMC management and faculty members by actually using LMS. This was followed by a detailed demonstration about LMS given to Brig. Rizwan Hashim, HoD Pathology, Dr. Muhammad Kaleem, HoD Dental, Col. Khadija, Acting SO NUST Affairs and Associate Professor Anatomy Department and Dr. Aliya, Assistant Professor, Pathology Dept. After the orientation presentation, a detailed question answer session took place in which all the queries and concerns of participants were responded by the LMS team.

## Human Security, Dignity and Development

'Inspire Pakistan' visited NUST on November 12 to conduct an interactive session with an aim to impart awareness regarding basic human rights. The attendees were given a copy of the Universal Declaration of Human Rights document. The speaker then began with saying that religions all over the world teach us three things: respect for others, protect infringement of their rights and fulfill needs of those around us. He asked the audience why over a billion people cannot even read when everyone has the right to education. "It is because the Universal Declaration of Human Rights is just on paper. Who will make it a reality?", he questioned. The session progressed through history of human rights from the edict of Ashoka to the Charter of Madina, the Magna Carta and finally American Declaration of Independence. They are all based on human security, human dignity and human development; the three elements which he discussed were essential for an organization's progress.



## Faculty participation in a workshop at China

Dr. Sarmad Sadik from Military College of Signals (MCS), participated in International Training Workshop on Animation Technology Development and Application for Developing Countries. It was held from October 9 to 28 in Fuzhou, China. Dr. Sarmad also participated in 2013 South Animation Industry Cooperation Forum, China and 6th International Xiamen Animation Festival, 2013 during his visit to China. The workshop was focused on introduction of Chinese animation industry, upcoming business models in online games as well as scope for developing countries and collaboration opportunities with China. The visit was funded by Chinese government and air travel by NUST.





## Lecture on Quaid's struggle for freedom

A lecture on Muhammad Ali Jinnah was delivered on November 8 at SCEE, NIT Auditorium, for students and faculty members. Dr. Shoaib Ahmed, HoD Humanities & Liberal Arts of Foundation University, Rawalpindi was the guest speaker. He is also the Founder Chairperson & Chief Executive Officer of Socio-Legal Anchor Foundation (SLAF) Islamabad.

The guest speaker did not try to portray the life history of Mr Muhammad Ali Jinnah but in fact made a genuine attempt to make the audience understand Jinnah's strategy during the struggle for freedom from Hindu majority and powerful British. His presentation was based on a list of references of international authors, mostly Indians, which has supported & praised Jinnah by remaining neutral and unbiased.

The speaker's presentation was delivered in three parts, the first part composed of the origin & development of human being, the political thoughts of 19th & 20th century, the definition & origin of democracy, the definition of a leader & the comparison of British Parliamentary form of Government based on true democracy with the Viceroy Imperial Legislative Council adopted in the administration of captive Indian subcontinent based on double standards of democracy. The second part discussed the key components of Jinnah's strategy and the facts that distinguished him from other giant personalities of that era and earned him the title of Quaid-e-Azam. The last part of the presentation comprised of some of the quotes of Quaid-e-Azam and his leading contemporaries appreciating his integrity. The main crux of the presentation was that there is a dire need of adopting Jinnah's strategy under the flag of his famous Unity, Faith & Discipline principle in our current movement for survival with all international drones pointing in our direction.



## A lecture delivered by Dr Jawed Iqbal (MCE) to NCSC



Dr Muhammad Jawed Iqbal was invited as a guest speaker at NUST H12 Campus, Islamabad to deliver a lecture on the title "Disaster Management Cycle and Possible Contributions by Volunteers" to the students of NUST Community Service Club. Dr. Jawed apprised the audience about the various vulnerabilities within Pakistan with respect to disasters and also enlightened about the importance of the role of volunteers to be played in the due course of time during different stages of Disaster Management. The lecture was attended by approximately 300 students of final year from NBS, CME, SME and ASAB.

Dr Muhammad Jawed Iqbal is a graduate of MCE, NUST Risalpur Campus. He did his Masters and PhD in Transportation Engineering in 2009. Dr Jawed also attended postgraduate course in Disaster Management at AIT, Thailand. He is member of various professional engineering bodies. He is also a member of HEC's National Curriculum Review Committee on Disaster Management. Presently, Dr Jawed is a faculty member of MCE and teaching different courses of Disaster Management to the MS students.

## IAESTE Day celebrated at SEECS

The International Association for the Exchange of Students for Technical Experience (IAESTE) celebrated its Birthday on October 20. It was an opportunity for one of the leading societies to celebrate international technical internships offered to students in the universities. The Islamabad chapter of IAESTE spread its festivities in NUST School of Electrical Engineering and Computer Science. It started off with an introductory seminar that included information about history, aims and purpose of IAESTE. The attendees were a large number of eager and curious freshmen who took advantage of the opportunity and asked numerous questions from their seniors. Two Alumni internees were invited who shared their experiences of being abroad, meeting new people, celebrating diversity, gaining expertise in their particular fields, getting international exposure and their gratitude for IAESTE team for arranging such opportunities for students. The celebrations finally concluded with cake cutting by IAESTE Faculty Incharge, Ms. Ayesha Mushtaq, accompanied by President IAESTE, Mofassir Ul Islam Arif.



## MCS celebrates Iqbal Day

Military College of Signals Literary circle held a seminar to commemorate Iqbal day on November 6. To pay tribute to the Nation's greatest poet-philosopher, Dr Talib Hussain Sial, faculty member Iqbal International Institute for Research and Dialogue was invited to deliver a talk on 'Iqbal, Quran and Science'. Speaking to a large audience comprising students and faculty of MCS, Dr Talib Sial clarified that Iqbal's ideas align with science and Islam. He explained that the European culture is the extension of and inspiration derived from Muslim excellence. But Western countries are ahead of the present day Muslim world due to their advancement in scientific knowledge. Dr Sial highlighted the fact that only those nations will rule the world which excel in strategic, economic and military domains. "Power is the key to govern this world", the speaker reiterated. He also laid special emphasis on the importance of acquiring latest knowledge which is the highlight of Iqbal's teachings and makes it so relevant to present days' needs. Dr. Talib Hussain Sial addressed the student body in particular and advised them to connect their hearts to spirituality and Quran. He concluded that an independent and critical attitude is the need of the hour



for students for their promising future. Answering to several questions after the session, the guest speaker said that material, spiritual and natural sciences can not only be harmonized but can also coexist flawlessly. After the session, Dr Fahim Arif thanked the chief guest and said that although we are aware of Iqbal's life and his poetry, but this seminar reminded us of what his philosophy is actually about. We need to combine science, religion and Iqbal's teachings to secure our future. Souvenirs were exchanged to mark the close of the seminar.

## Principal NIPCONS attended Workshop organized by UNDP

UNDP in partnership with the United Nations System Staff College organized a capacity building workshop on 'Conflict Analysis Tools' from 28 to 29 November at the Marriott Hotel, Islamabad. "Peace and development go hand in hand, it is important to recognize that violence and conflict stands directly in the way of achieving development goals", Mr Ali Baz, Principal NIPCONS said.

He further highlighted the emerging challenge of violence and turbulence in Pakistan, adding, he said it is important that all the stakeholders work together to identify the root causes of conflict rather than temporarily dealing with ongoing or addressing the post-conflict scenarios only. NIPCONS and UNDP Pakistan are committed to provide capacity building opportunities and research based solutions in the areas of peacekeeping, peace building, conflict resolution and transformation". He thanked Mr. Fabrizio Bilucaglia and Ms. Svenja Korth, UNSSC for conducting the comprehensive training workshop.

## NUST Fine Arts Club Talent Show

The first episode of NUST Fine Arts Club's (NFAC) talent hunt was organized at School of Art, Design and Architecture. Music, art and dance were among the many talents displayed. Talent Hunt was a competition held to bring out the diversity in students, and construct a much richer society for the Fine Arts Club. This program was designed as a platform for all genres of art and performance. The judges' panel was loaded with SADA's best faculty with expertise in usage of different mediums and arts. Ms. Hurmat-ul-Ain also spoke briefly to the audience in the end about performance and its tactics. "This was the first time I saw the three batches crunching up their creative juices for something at SADA other than just projects", she exclaimed. The event was downright entertaining, with the judges' candid feedback and immense talent of the students demonstrated in such a diverse combination of mediums.





## Ambassador of Bosnia-Herzegovina visits SMME

Ambassador of Bosnia-Herzegovina to Pakistan, visited the School of Mechanical and Manufacturing Engineering on November 6. The Principal SMME, Dr Abdul Ghafoor welcomed the esteemed guest and gave him a brief introduction of the school. He highlighted how SMME was developed recently and progressing every passing day. Later the ambassador, accompanied by Pro Rector (academics), Dr Asif Raza and the senior faculty of SMME visited the school. He admired the research work going on in the labs and was particularly enthralled with the work being pursued in the robotics lab. The ambassador remarked that the school is showing signs of excellent progress in the different fields of mechanical engineering, having probably the best facility in Pakistan.



## Research Directorate of NUST visit to A M College

Director Research, Dr Riaz Ahmed and Deputy Director Research, Engr. Jamshaid Ikram met the Army Medical College (AMC) administration on November 8 and discussed their objectives regarding research performance over the years, NUST RIC policy, research publication policy, research project processing procedure and policies, distribution of profit on sponsored projects, distribution of university overheads, incentives and research awards and funding agencies. The meeting was chaired by the Principal Army Medical College, Mr Salman Ali along with the Dean Army Medical College, Mr Naveed and faculty of clinical and basic departments.

The objectives of the meeting were to establish and maintain research culture at NUST, to ensure that the research pursued at NUST holds relevance to the community and society, to establish a culture that ensures that research remains an integral component of scholarly activities at NUST, to ensure that high quality research of direct relevance to Pakistans' needs, pertaining to both civil and defence sectors is pursued in NUST constituent institutions and to facilitate establishment of linkages between NUST constituent institutions and the industry, both in the public and private sectors.

## SADA Exhibition 2013

SADA organized an Exhibition on November 8 to celebrate the Student projects of Basics of Design and Architectural Design. The best projects of all four batches were highlighted and displayed.

The students along with the faculty were given full authority to organize the exhibition. They acted as the backbone of the event as the batch representatives and the volunteers took control and executed it with the guidance of the faculty. The exhibition was officially launched at 4:30 pm. The first floor looked nothing less than a display gallery, and the snacks were a bonus. The exhibition not only aimed to bridge the interaction between the students of separate batches but intended to expose them to new ways of thinking in terms of design. SADA is in the process of rearing its identity as an Architectural school in NUST and these exhibitions and hard work of students are proving to be a stepping stone.



## Best UG Project Award at MCE

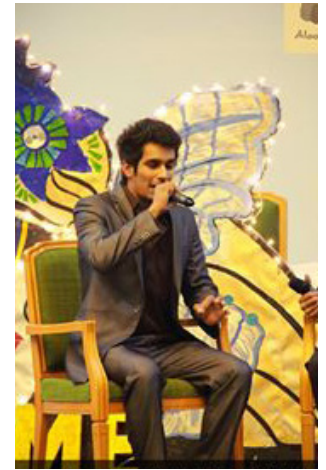
Graduating Course OD 72 and CED 73 (Civil Engineering Wing) presented a total of 20 Final year projects. The project titled "MCE Design Pro-Using Visual Basic" supervised by Dr Muhammad Rizwan was declared as the best project of the year 2013 and has been nominated for the Rector's Gold Medal. The syndicate developed software capable of designing all reinforced concrete components of a building (footing, columns, slabs, retaining wall, water tank etc.). Asad ullah Satti was the syndicate leader. Other members included Muhammad Asif, Muhammad Saad Attique and Muhammad Awais. The panel consisted of Dean Dr Muhammad Naseem Baig and all respective Head of Departments.

## SEECs Welcome Party 2013

NUST-SEECs held the grand welcome Party for its new batch class of 2013 on November 4. This year's event took place at NUST Centre for International Peace and Stability. The theme for this year's welcome party was masquerade ball. One could hardly see anyone's real face as they were all covered with a variety of masks from Guy Fawkes to Robin and even a few immaculate face paintings depicting the infamous Joker from Dark Night.

Sophomore batch Presidents, Malala Khan and Shariq, formally welcomed the freshmen batch to SEECs and lauded the efforts made by the organizing team for making the event possible. This was followed by a welcome video depicting the typical prevalent ragging culture. This was followed by two musical performances showing how the student body of SEECs was brimming with dramatic talent. True to the SEECs tradition, no welcome party is complete without a qawwali, so it was only natural that with dinner time approaching, 'Ustaad Zuqair Younis' along with eight others approached to the stage with a drum and mesmerized the crowd with a chorus qawwali whose lyrics highlighted the intense academic competition at SEECs followed by another musical performance by SEECs' very own band 'The Revolutionists'.

The concluding remarks were made by the Principal SEECs, Dr. Arshad Ali who urged the students to aspire towards academic success and also maintain a fun and healthy social life.



## SCME Dean's List Ceremony held to honor high achievers



Dean's List ceremony was held at School of Chemical and Materials Engineering's (SCME) to award scholarships to the academic high achievers of the department. The ceremony was graced by Principal SCME; Dr. M Mujahid, HOD Chemical Engineering; Dr. Arshad Hussain and HOD Materials Engineering; Dr. Muhammad Shahid and attended by students and faculty of the school. The programme began with explaining how Dean's List is a tradition worldwide that rewards the hard work and brilliance of students. It is a motivational step for the students to uphold the high standards demanded by a world class institute such as NUST.

Dr. Mujahid awarded the scholarship cheques to students who had attained semester GPAs above 3.50. In his closing speech Dr. Mujahid updated the students regarding recruitment and internship placement procedures at SCME, assuring them that all steps taken by the school's Internship Placement Office for internship allocation took into consideration various factors including student's calibre, home-town, ease of working etc.



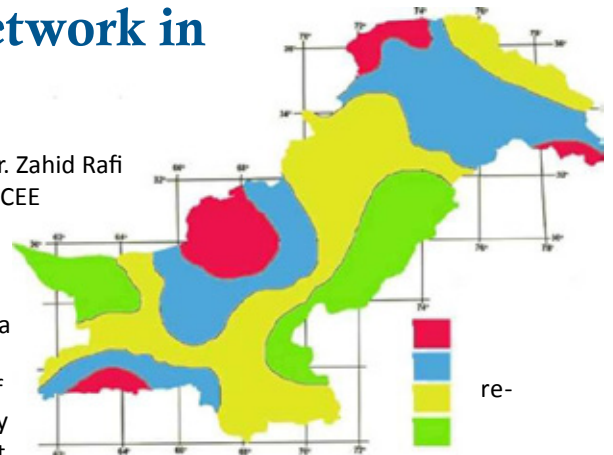
# Lecture on Seismic Monitoring Network in Pakistan

A lecture on 'Seismic Monitoring Network in Pakistan' was delivered by Mr. Zahid Rafi to NUST Institute of Civil Engineering, UG Batch 2011 at NIT Auditorium, SCEE on November 11. The guest speaker is not only a Director at National Seismic Monitoring Center, Islamabad but also a PhD scholar at Cambridge University UK. He has also completed his professional accomplishments from Japan and Germany. He has numerous publications in his area of interest.

Dr. Zahid Rafi covered the seismic network in Pakistan in the backdrop of cent earthquake in Pakistan of Balochistan. This earthquake caused heavy damages and loss of lives. The background leads to the question as to what is earthquake seismology?

Pakistan has a network of various seismic stations all over the country and about 133 seismic regions all over the world are also linked with Pakistan's network, which enhances the seismic monitoring capability of Pakistan. However, Pakistan is handicapped due to non-sharing of data by Iran and India which is vital for regional monitoring and more critical to Pakistan's seismic monitoring.

Seismic monitoring and data acquisition was also presented to audience by showing the details as to how remote seismic stations at various locations in Pakistan communicate through satellite to main station in Islamabad. The layout of main seismic station at Islamabad was also presented and its working was shown to the audience.



## 'Sincerity in Action' - NCSC

The NUST Character Building Team held their first ever event at NIT, SCEE Auditorium on November 21. Raja Zia-ul-Haq, CEO Youth Club delivered his talk on Sincerity in Action.

After the recitation of some verses from the Quran, a short introductory speech was made to officially mark the start of the event. The three organisations involved in holding the event were Youth Club Pakistan, TABA Youth Chapter, and the NUST Community Services Club.

Raja Zia-ul-Haq, with his likable personality and his upfront views immediately drew the attention of the audience. The entire auditorium rang out with laughter and appreciation as he shared his life story as a young adult forced to make choices. Using simple analogies, Raja Zia spoke about how a student could bring about a positive change in his life simply by choosing to be sincere. He left the audience with some food for thought and a small writing task to find out which of their strengths could help to bring about a change in the society. The speaker was presented with a shield at the end of the day.



***"No man can produce great things who is not thoroughly sincere in dealing with himself."*** - James Russell



## SNS Welcome Party

Students of School of Natural Science (SNS) dressed in the 70's theme at SNS welcome party on November 5. The glamorous ceremony took place at SMME Seminar Hall. Students of batch 2012 worked really hard for making this welcome an indelible night for their juniors. They also arranged a small Eid Milan Party prior to the welcome in order to raise sufficient funds for the welcome. The hued décor, the jocular performances and enjoyable mimics were fabricated entirely by the students.

The evening commenced with the screening of a short video followed by a 'chichi 70's ramp walk'. Later the girls presented a 'Mushaira' and a humorous play exhibiting girls of SNS after 10 years. Then the students of 2013 were entertained with saucy titles and musical performances. Later, the students feasted themselves with a scrumptious meal. SNS welcome party was a perfect display of the sassy, glitzy 70's era, and everyone from students to faculty enjoyed the welcome party.



## ASME-PNEC Techfest 2013

ASME PNEC Student Section (APPS) organized annual technical festival TECHFEST 2013 at Pakistan Navy Engineering College (PNEC) Karachi. A lecture on "ASME-PNEC TECHFEST 2013" was also arranged by Engineering Sciences department on 20 November. Large number of PNEC students actively participated in the event.



## Award of Merit Certificates to High Performers

An award ceremony for high achievers in academics was held 22 November at JAUHAR Parade Ground, Pakistan Navy Engineering College (PNEC), Karachi. Commandant, Deputy Commandant, Deans, HoDs, Staff Officers, Faculty Members and students attended the ceremony. Commandant gave away the Merit Certificates to High Performers and also addressed the students and faculty members.



***"People who cannot find time for recreation are obliged sooner or later to find time for illness."*** - John Wanamaker



## 03 CO-CURRICULARS CORNER

### Game of Chess

In Campus Chess Men Competition was organized at School of Natural Sciences (SNS), H-12 Campus from November 7 to 8. Nine teams participated in this competition from ASAB, SNS, SMME, RCMS, SADA, SEECS, NBS, SCEE and SCME. Final Match of the event was played between ASAB and SEECS where SEECS won the title. Dr. Rashid Farooq, HoD Mathematics, SNS was the chief guest of closing ceremony and gave the winner trophy to the SEECS Team.



### Archery Competition

NUST Adventure Club (NAC), in collaboration with Multi Adventure Club, organized its maiden Archery Competition in the Institute of Geographical Information Systems (IGIS) ground on November 12. This event provided a platform to all the archery fans at NUST to test their archery skills and battle it out for the top honours. The preparatory efforts included setting up the archery dart boards, managing the archery equipment and preparing the ground for the archery competition.

The opening address was given by Mr Farman, President of Multi Adventure Club. Giving an overview of archery, he explained the participants about the competition, its rules, the use of

equipment and the shooting criteria. The first round began with the participants' practice shots. This round was followed by the another round in which each participant shot 5 arrows on the archery dart board, and qualified for the next round on basis of their performances. Likewise, the participants went through 4 rounds in their quest of winning the most coveted title.

Towards the end, six participants qualified for the winning categories. These winners and runners-up were presented shields by Principal SCEE, Dr. Tariq Mehmood, who was also the chief guest for the occasion. He appreciated the participant's enthusiasm and performance. He was also presented a souvenir by Mr Saud, faculty sponsor of NAC. Girls' category was won by Sehrish Habib where as Wajeesh Haseeb won the boys' category.





## AMC MUNAM'13: Debating competition

A mega event by the name 'MUNAM 2013' was organized by Army Medical College on November 8. The day began with the opening ceremony at 3 pm in the presence of Principal AMC, Mr Salman Ali, the Vice Principal, Dr Ghulam Raza and faculty members. The Secretariat welcomed all the delegates with a series of short speeches, intended to motivate the delegates and to inculcate in them a spirit of diplomacy that would prove handy in resolving international problems in MUN simulation conference.

As the conference was formally announced 'open for debate', the delegates proceeded to their respective committees, Pakistan National Assembly and the World Health Organization. In the next few hours, nations rose and personalities were brought to the limelight as the world's issues were brought to the forefront and tackled head-on with a diplomatic approach and a

problem-solving attitude. With the main debate being centered on 'intervention of the armed forces in Karachi' in PNA, and 'bio-terrorism' in WHO, delegates were fully aware of the direction they had to adopt by the end of the night.

The next day, delegates were back with more vigor and zest than ever. Negotiations followed in a series of committee sessions and compromises were finally reached as both committees managed to come to a consensus and pass UN resolutions on the topics that had been allotted to them. By 15 hrs, the closing ceremony began and all delegates were directed to the auditorium, where the Principal of AM College emphasized on the importance of the WHO and its millennium goals in the form of a presentation that was indeed very informative for all delegates present. The conference was then declared 'closed for debate' by the Principal.



## Academic visit to Grand Hyatt Hotel, Islamabad

Final year students of NUST Institute of Civil Engineering (NICE) visited the Grand Hyatt Hotel, Islamabad on November 21 along with several faculty members. The students visited the project site for learning various aspects of construction, management and design of the project.

The Grand Hyatt Hotel is located at the southern end of the Constitution Avenue, currently under construction in Islamabad on a 13.5-acre site and is served by two major highways (Shahrah-e-Kashmir to the north and Murree road to the south). This development consists of a 45-storey hotel and serviced apartments tower along with two smaller 20-storied residential and office towers. The smaller towers are linked together by means of a bridge at the 20th floor, aligned with the axis of the Constitution Avenue (known in Urdu as Shahrah-e-Dastoor). Other

features include retail and food courts, banquet facilities and parking. Students were enlightened on various aspects of the project. Questions were answered regarding various construction activities. The design of the building was discussed with the Project manager. Faculty and the project site staff gave briefing and answered to the questions of students. The students appreciated the construction works by the site engineering staff (consultants) and the contractor.





## MCS participates in All Pakistan Tetra Lingual Declamation Contest



Forman Christian College held a tetra lingual declamation contest among all educational institutions of Pakistan. MCS participated in this two-day event from November 21 to 22. The team represented by GC Saad Ahmed (TE-50), GC Bilal Haider (TE-48) and NC Ahmed Ayub Butt (TE-49), joined the competition in Lahore accompanied with Dr Fahim Arif. Since it was a tetra lingual contest so each team had to participate in English and Urdu debate along with an optional regional language, that were Pushto or Punjabi. The participant of MCS team had chosen Pushto language. The team performed well and succeeded in getting the 5th position among 55 teams.

## Movie Night: Fund raiser

In the crusade against poverty, NCSC is playing its role by taking an initiative in the form of 'NCSC Student Fee Fund'. One of the many projects started under this initiative is the Movie Night Series. Movie Night 1.0 showcased the movie 'Pacific Rim', a Sci-Fi Action-Adventure movie, on November 20 in SMME hall. The event catered a surprisingly warm response from the student body with almost 100 students showing up and supporting NCSC to raise money for the NCSC Student Fee Fund. The feedback was encouraging enough to put in motion plans for more movie nights in the near future.



## Hike to Mushkpuri

NUST Adventure Club organized another trip to Mushkpuri top on November 10, which was open to all students of NUST. Participants equipped with the proper hike kit, departed from NUST around 0630 and reached Mushkpuri hotel at 1100 hours. From there they hiked to Mushkpuri top which was expected to last for two and a half hours but due to the track being covered in snow the hike lasted for about 3 hours.

On the way to Mushkpuri hotel, buses stopped at Salgarah Bridge where the participants who won the lucky draws were offered rappelling from the bridge. Everyone was excited about experiencing something they had never tried before. Although it was hard to hike in such conditions with snow covering their pathway, the participants dealt with the difficult track by the help of organizers and experienced people around them. When finally everyone reached the destination, the scenic beauty at the top made everyone believe that it was worth the efforts. A Different route was taken on the way back which was shorter than the previous one. Participants reached down to Mushkpuri hotel by 1700 hours where dinner was served. After spending an hour there, the buses left for NUST.





## Academic visit to Rawal Dam

Civil Engineering Session 2011 undergraduate students gave a visit to Rawal Dam on November 20 as part of their curriculum course activity. The visit was possible in co-operation with the concerned department of CDA. NICE visiting team comprised of 106 students and 5 staff members. Capital Development Authority (CDA) staff received the students at the entrance of the Dam and briefed about the functioning and history of Rawal Dam. Students took keen interest while visiting the maintenance gallery and spillways of dam.

## Trash to Model 2.0

The second edition of Trash to Model was held on the November 11 and the entire plan was executed by the NUST Environment Club (NEC). The preparations had begun in the IESE main central courtyard at around 1100. The participants, with three team members on each table were provided a number of accessories such as glue, tape, newspapers, cardboard, scissors and other things that were required to build upon their theme for the competition. The theme selected for the models, was 'Wildlife'.

A team from ROOTS International School Millennium Campus also participated in the competition. The students came up with innovative ideas as that of a mechanical bird made entirely out of tin cans. One group made a life like turtle out of card board and a couple of bottles. By 1530 hours, the participants were finally told to stop working and to wait for the panel of judges to take a round of all the tables, to assess and make their recommendations. Principal SCEE, Dr. Tariq Mehmood also took a round along with several other faculty members who were quite intrigued by the hard work that the participants had put in. After a very close call, the team from ASAB with their almost life-like standing flamingo won the competition. They were followed by close second runners up from SMME who had made the mechanical bird. All the other teams were then called upon stage to receive their certificates and cash prizes.



***"The quality of life is determined by its activities."***

- Aristotle



## 05 SPORTS

### Inter-NUST Football competition

Inter NUST Football competition was organized at Military College of Engineering (MCE), Risalpur Football Ground from November 1 to 3. Six teams from various campuses of NUST including H-12 Campus, MCE, CAE, AMC, EME and MCS participated in this competition. Final match of the event was played between CAE & MCS. MCS won the final match by an exhilarating 1-0. Final rankings for the tournament were MCS, CAE, AMC, H-12 Campus, MCE and EME. Mr Syed Basim Saeed, MCE, Risalpur was the chief guest on the awarding ceremony.



### In-campus Volleyball Championship 2013

In-Campus Volleyball Championship (Men) was organized in the sports complex, H-12 campus. Teams from five schools participated in the event including teams from SMME, SCEE, SCME, ASAB and SEECS. SCEE played its first match against ASAB, and SMME faced SEECS. SCEE and SMME both won their first matches with a score of two to zero. The third match was played between SCEE and SCME in which SCEE downed their opponents to qualify for the semi-final.

In the semi-final round, SCEE and SEECS went head to head and SMME and SCME locked horns to clinch a spot in the final. After thrilling displays of diving saves and powerful smashes, SMME and SCEE made it through to the finals. In the finals, both SMME and SCEE tried their best to win the title for their department.



In the end it was SMME that proved to be the stronger side and won the tournament with a score line of 3-0. In the end, Mrs. Rubina Anser, DD Sports handed over the winning trophy to the SMME Team.

## Inter-NUST Table tennis tournament at EME College

Inter NUST Table Tennis (Men and women) competitions held from November 9 to 10 at College of Electrical & Mechanical Engineering, Rawalpindi. Five teams including H-12, MCE, AMC, EME and MCS participated in the men's category and H-12 Campus won the title by defeating all participating teams.

Three teams including H-12 Campus, AMC and MCS participated in the women's category. Tournament was played on league basis with H-12 beating all teams and securing 1st position. AMC grabbed the runners-up position. Mr Farrukh of EME was the chief guest for closing ceremony.



## Intra-SMME Futsal Tournament

Intra-SMME Futsal Tournament was organized by student council of SMME (SCS). Eight teams participated in the event. The teams were arranged in two groups and the tournament commenced on November 25. All the teams played well in the knockout rounds. The best performance was shown by 2011 batch team named 'Some team' who scored 13 goals in the initial match. The semi-final took place on the third day of the event between the top two teams from each group. The teams that made it into the semi-finals were IDOCHAB, Some Team, TKD and NM. 'Some team' and IDOCHAB played well and went into the finals. The finals were played on November 28 where both the teams came in high hopes of becoming the new SMME champions. With the last three minutes left, it appeared that



'Some team' had stolen the game but surprisingly IDOCHAB picked pace and scored 2 goals in just two minutes to turn the game around and won SMME Champions trophy.

## Table Tennis Competitions

NUST Table Tennis competitions were held from October 29 to 31 at School of Mechanical & Manufacturing Engineering (SMME), H-12 Campus for both male and female students. Five teams including SNS, ASAB, SEECS, SMME and SCEE participated in the male category where SCEE won the title by defeating SEECS in the final match. Mr. Zeeshan Ahmed played exceptionally well during the whole tournament.

In the female category table tennis competition, four teams; SNS, SCEE, ASAB and SEECS participated in the event. Final match of the event was played between SEECS & SCEE, where SEECS won the match. Mr. Muhammad Sohail, Vice Principal SMME was the chief guest of the ceremony.





# SADA Annual Sports Gala 2013

SADA hosted Annual Sports Gala, 2013. The event commenced on the 18th of September and continued till Friday, 20th September. In honor of the event, students received half of the week off to play sports.

The freshmen hosted the green flag; the sophomores screamed "YELLOW!" at the top of their lungs. Junior year went Blue for the week and the senior classmen were Red in their rage to win.

Even with just one and a half week into the semester, the freshmen sported a team spirit surpassing possibly anything witnessed before in SADA.

The highlight of the day, inarguably of the entire Sports Gala, was the senior classmen versus the faculty of SADA in the Dodge-ball Death Match. Ms. Hurmat-ul-Ain, Ms. Sabahat Nawaz, Ms. Anita Kapadia, Mr. Jahanzaib Luni, Mr. Tanvir Iqbal, Mr. Jawwad Zaidi, Ms. Maimoona Akram, and Mr. Rizwan Khan played on one side, occasionally joined by other faculty members with senior girls on the other team. The match lasted for hours.

In the end, sophomores were able to grasp the winning trophy at the closing ceremony. The senior classmen came in 2nd and the freshmen were applauded for their school spirit and unity. The junior classmen received certificates.



**“ As for a future life, every man  
must judge for himself between  
conflicting vague probabilities.”**

- Charles Darwin



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