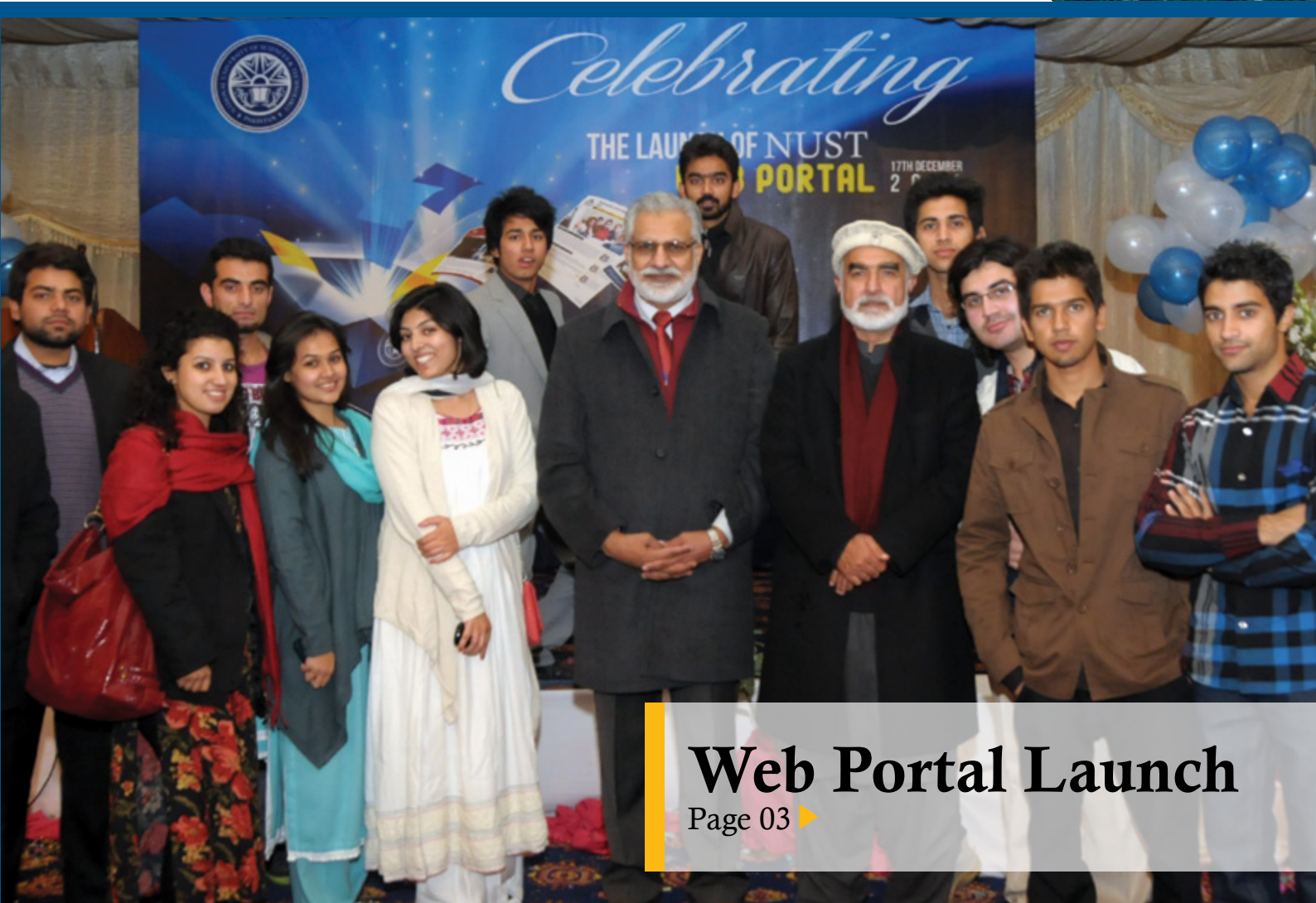


MONTHLY
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NUSTNEWS is a monthly publication, produced by Student Affairs Directorate, covering various events across the entire University. It will be appreciated if the focal persons send reports right after the event so as to give them timely coverage.

NUST web portal unveiled

National University of Sciences and Technology unveiled its world class web portal on Dec 17. In this connection, an impressive ceremony was held at the main campus of the university. Rector NUST graced the occasion as chief guest and inaugurated the web portal. A number of dignitaries including former Governor Khyber Pakhtunkhwa Owais Ghani were also present at the launch.

through the web portal would allow the visitors to appreciate and understand NUST's international standing with respect to its academic programs and research. The Rector maintained that the web portal would enhance web presence of NUST so that to project its astounding stature and attract new students and research scholars from across Pakistan as well as the world at large. He added that eventually it would help the University



Addressing the gathering, Rector NUST Engr Muhammad Asghar lauded the efforts of NUST web portal team and all the focal persons, which made the successful culmination of the project possible. He said that NUST intended to revamp its existing website into a portal carved in conformity with world standards for university portals. This was done by first focusing on well-defined information upload and retrieval process and mechanism with a user-centric interface. Thus navigating

climb even higher rungs of the web-ranking ladder and promote its international visibility manifold. Moreover, this web portal would serve as an impetus to academia-industry linkages alongside integrating information resources previously distributed in respective websites of NUST institutions and centers.

Earlier, Chief Strategy Officer NUST, Amir Hashmi apprised the audience of how the project was conceived, planned, executed and successfully completed. He said that development of NUST web portal had been a very challenging project. "Just to make you get a drift of the enormity of this project, I must confess that this ambitious undertaking would not have completed had there been no sagacity, determination, visionary leadership, team spirit and rational exuberance at work," he said. The planning phase was the most crucial as we had to draw a roadmap that would lead us to a high pedestal in pursuing the objectives in line with the quality standards NUST is famous for.

CSO maintained that it was a common perception that IT projects in public sector had a very low success rate; the reasons for this perception might be cited as rigidity of methodology,



HIGHLIGHTS

orthodox approach and policies that did not encourage initiative and boldness. He said that NUST had however adopted a culture of research and innovation, coupled with the pervasive approach to allow new initiatives and ideas to be pursued and nurtured, and development of the web portal was one such instance.

He explained though apparently this project seemed to be a monolith, it was the amalgam of multiple sub projects ranging from setting up of infrastructure for local hosting, image banking, to the development of form and content. He said that following the quality criteria for which NUST was renowned world over, they went an extra mile to garner requisite expertise both from within and outside NUST and specialist consultants from the IT industry for successful culmination of this venture.

Mr Mubbashir Ahmed, who was the project manager, also spoke at the occasion. He said that the key factors that guided them towards the development of this portal were unstinting support, guidance and commitment of the senior management, incorporation of PMI best practices, a team epitomizing the courage of conviction, taking all the stakeholders on board, effective communication, optimization of resources at hand

and the unprecedented performance exhibition through matrix structure in the local setup, he elaborated. Ms Tooba Raza, DD Marketing and Communications was the master of the ceremony. Punctuated with humour-coated lines, her narration of the success story of this gigantic project kept the interest of the audience alive throughout the ceremony.



Seminar on Internationalization in higher education



The University of Warwick and the International Resource Centre at National University of Sciences and Technology (NUST) arranged a seminar on “Internationalization in Higher Education” for vice chancellors, registrars, directors, senior faculty and administrative staff in the higher education sector at the NUST campus in Islamabad on Dec 13. The workshop was conducted by Mr. James Kennedy, Director of the International Office at the University of Warwick.

In this interactive seminar, Mr. Kennedy highlighted various challenges that universities face today. The participants discussed various ways through which universities could enhance their quality, cultural diversity and international collaboration. The seminar focused on raising an understanding on why universities need to take steps towards internationalization, the procedure for implementing various forms of international

initiatives and most importantly the ways to raise internal and external funding required to proceed with these initiatives and make them sustainable.

The seminar was attended by almost 20 vice chancellors, registrars and senior officials of institutions in Islamabad, Karachi, Badin, Nawabshah, Azad Kashmir and Peshawar. The participants welcomed the initiative by the University of Warwick and appreciated the efforts of the University’s international office teams in Pakistan and UK to provide regular and updated information and guidance to help in capacity building of educators in Pakistan. The University of Warwick is ranked 5th in the UK and 50th in the world and has a dedicated team in Pakistan which regularly conducts activities to support students and institutions in their international outreach and partnerships.

University Industry Collaboration

FFCL contributes USD 45000 to CES-NUST

In line with the agenda of Corporate Advisory Council (CAC), NUST, to foster University-Industry linkages and its core aim of having long-term economic impact for the sectors within its purview, Centre for Energy Systems (CES) entered into a strategic partnership defining a long-term collaboration with Fauji Fertilizer Company Limited (FFCL). This collaboration emphasises on the importance of both conventional and renewable energy sectors in Pakistan. The overriding objective is utilization of Pakistani coal from the power generation and liquid fuel production sectors.

According to the MoU signed between CES-NUST and FFCL, the latter has generously donated USD 45,000 to build, commission and operate Pakistan's first gas-to-liquid FT synthesis plant at NUST. This will go a long way in demonstrating the technology to key stakeholders for subsequent commercial ventures, bringing the coal to the diesel engine platform. Aviation, Marine and land transport are other beneficiaries of this program.



NCSC distributes relief goods among Jacobabad flood affectees



NUST Community Service Club in H-12 and its sister organizations in other campuses of NUST ran a campaign titled 'Flood Relief Drive 2012' last month and were able to raise 1.8 million rupees for the flood affectees. The donations were divided into two parts- one for Balochistan and the other for Sindh- the two worst-hit areas of the country.

The money for Balochistan was distributed via Mir Changez Khan Jamali Federal Minister of Science and Technology. For Sindh, a team consisting of four students, Treasurer (Umair-Saleem) and Media secretary (Nidaul Fatima) NCSC, President (Farhan Ahmad) and General Secretary (Sarfaraz), NUST Volunteers Club EME went on a 3 day visit to Jacobabad. The team lodged at Shehbaz Air Base Jacobabad and toured the neighboring inundated villages. Although extensive relief operation had

been carried out by the Air Force, the condition of flood victims was still detestable. Dwellers of temporary shelters were running low on food supplies and many houses were in dire need of renovation. Contemplating the circumstances, team decided to purchase construction material and ration with the money. Construction materials such as cement, guarder & TRs for partial renovation of 11 houses were distributed and grocery bags were given to over 100 families. Officers of the Air Force Base helped and guided the students throughout the visit. The students were accompanied by Flying officer Salman Tahir during their visits, who offered his assistance on various matters. The visit was successful and entrusted money was rightfully distributed amongst the victims.

Iqbal's poetry comes alive through photo-essay competition

NUST Bazm-e-Pakistan (NBPK) under the auspices of NUST Institute of Civil Engineering (NICE)-SCEE, organized a cyber-event to commemorate our national poet, Allama Muhammad Iqbal. Students were given the opportunity of displaying Iqbal's message from the lens of their camera. Photographic skills were channeled productively and passionate photographers were seen capturing photographs that depicted what Iqbal's poetry had to say. More than a photo essay competition it proved to be an event that brought people closer to Iqbal's message of struggle, dedication and piety. Being one of the society's preliminary events, participation was a lot more than what was expected. The enthusiasm with which the photographers competed was evidence of the fact that what Iqbal said was so powerful, and that it compelled one to explore the meaning behind it. Topics like *burq girti hai to bechare musalmano par* and *sitaron say agay jahan aur bhi hain* proved to be a great source of inspiration for the young and talented photographers who brought the message of these beautiful verses to sight with their skills.

Judging criteria which was shared between 'facebook likes' and the jury proved to be quite effective and out of the three photo essays that were chosen and uploaded on NBPK's official page for likes, Razeen Mazher was the one who made it to the victory stand while Rehan Ameen was declared the runners-up. To sum up, the event proved to be quite successful in both of its objectives that were to provide a fair competition to the young and talented photographers who have no big platform to exhibit their talent and more importantly to bring the youth of today near to what Iqbal's poetry had to preach.

Pro-Rector (Acad) Dr. Asif Raza honored the event as Chief Guest; Associate Dean NICE Dr. Liaqat Ali and Director Student Affairs Bashir Bajwa were present to grace the event. Finally, Pro Rector NUST concluded the event by awarding Souvenirs, cash prizes and certificates to the winners, runners-up and jury.



Delegation from University of Nottingham, UK visits NUST



Dr. Christine Ennew, Pro Vice Chancellor University of Nottingham, UK visited NUST on Dec 7. The delegation met with Pro-Rector (Academics), Dr Asif Raza and discussed the matters of mutual interest. The guest was briefed about institutions, programs, research initiatives and future plans of NUST. Later, the guest was given a guided tour of the NUST Campus. The visiting delegate also visited NUST Business School and showed keen interest in establishing formal relationship between the two universities in the areas of joint research, fellowships and exchange of faculty and students.

Faculty training conducted

Faculty trainings are an effective tool for fully integrating newly inducted members into the NUST system so that they can thoroughly understand its functioning and management. A faculty training session was organized by Center for Innovation and Entrepreneurship (CIE). The training was held at the main seminar hall from Dec 10 to 12. The attendants included faculty members from different Schools. Rector NUST along with other Heads of the Departments and Directors attended the training. These representatives prepared presentations to explain their division's respective duties, procedures, responsibilities, rules and regulations.

Rector NUST, Engr Muhammad Asghar introduced the attendees to the mission statements of NUST, its academic programmes and research capabilities. He also described the industrial and international linkages of NUST as exemplary.



Quaid-e-Azam Intra-NUST Declamation Contest

men, rise up one last time” being the most popular choices. The declaimers discussed the vision of Quaid-e-Azam, the problems faced by today's Pakistan, and the solutions to those problems and topped it all with thought provoking examples and heartfelt



December 25 marks the birthday of a revolutionary man who strove endlessly to materialize the dream to have a separate homeland for the Muslims of the Sub continent. NUST Bazm-e-Pakistan, under NUST Institute of Civil Engineering (NICE), SCEE did justice to this special occasion by laying grounds for 'Quaid e Azam Intra NUST Declamation Competition'. On Dec 27, nine schools, six colleges and three centres, competed on one stage to bag a trophy and achieve the honour of being NUST's best speaker.

"The objective of the event is to track back the legacy that Quaid-e-Azam instilled in us and to explore the very reason of our existence," highlighted Uzair Arif, President NUST Bazm-e-Pakistan. Rao Haider Farooq opened the house with a few moving words that set fire on the stage and left a benchmark for the coming declaimers. The speakers declaimed very effectively with "Aye Quaid hum sharminde hain" to "Rise up my country-

poetry.

The panel of jury included Mr. Sharreh Qazi and Mr. Hashim Mufti who explained how important it was for a declaimer to be "emotionally logical" and praised the enthusiasm of the contestants. While Military College of Signals (MCS) were announced the champions, NUST College of EME came as runners up. Qandeel Fatima of NUST Business School (NBS) won the award of best declaimer for Urdu and Maab Saleem of School of Electrical Engineering and Computer Science (SEECS) secured the position of best declaimer in English.

Pro-Rector NUST Asif Raza honoured the event as the chief guest; Associate Dean NICE, Dr. Liaqat Ali and Director Student Affairs Mehmood Bashir Bajwa, were present to grace the event and encourage the participants. At the end, Pro Rector NUST awarded souvenirs, cash prizes and certificates to the winners, runners up and jury.

Blood Donation Drive

Keeping up with its bi-annual tradition, members of NUST Community Service Club (NCSC) organized a blood donation drive at NUST H-12 Campus from Dec 18 to 20. The drive mainly focused on collecting blood for thalassemia patients. NCSC collaborated with Fatimid Blood Foundation, an organization devoted to the awareness and betterment of thalassemia patients.

Before the event, NCSC council members worked with great vigor in motivating students by giving pep talks and outlining the benefits of such magnanimous activities. On the first couple of days the camp was set at NBS grounds and on the last day it was moved to SCEE grounds in order to facilitate students from all departments. A team of medical specialists

along with faculty advisor for NCSC, Dr. Irtiza, were present at the site. Dr. Irtiza himself donated blood and expressed his deep appreciation and lauded the humanitarian endeavor of donating blood and popularizing the cause of blood donation for thalassemia patients. Huge crowds were seen milling on the donation site. None of them showed any signs of fear rather they were brimming with pride to be a part of such a noble cause.

Overall the drive was an immense success, with over 350 donations being collected. Moreover, a large number of people came to know about thalassemia and the dilemma of people suffering from it. The avidity with which the blood was donated was exemplary.



PDC conducts Workshop on Handling Difficult People

A workshop titled 'Handling Difficult People' was organized by Professional Development Center (PDC) at Center for Innovation and Entrepreneurship (CIE), NUST on Dec 7. The resource person was Mr. Mohsin Lodhi. Participants included representatives from General Headquarters (GHQ), Metro Cash and Carry and even educators from the primary education sector. This was mainly because the issue on the table was one present in all professional lines.

Mr. Lodhi discussed different ways of handling difficult people, beginning with recognizing the issue, discussing further how to respond to provocative language, recognizing the 'blame game' mentality, mishandling the problematic person by using reactive words and adopting simple ways to get your

agreement or disagreement across in a heated discussion. Various group discussions were carried out as the participants were presented with confrontational scenarios, so they could understand motives behind assertive behavior and how to tackle it. Principal NUST Institute of Leadership in Education (NILE), Dr. Qaiser Hameed, applauded Mr. Mohsin Lodhi's skills in effectively delivering the information. He introduced the audience to the goals and plans for NILE, as he put it, "Our eventual outcome are our graduates but it is what they do in society that matters" and invited their continued participation in NILE's future endeavors. Shields were presented to the contributors by Principal NILE.



GIS Day celebrated



Institute of Geographical Information Systems (IGIS) being the academic hub of Geographical Information Systems (GIS) in Pakistan hosted the GIS Day on Dec 19 at NUST, H-12 Campus. IGIS along with the wholehearted participation of local GIS community celebrated the GIS Day 2012 with zeal and fervor.

Introduced locally to the GIS community for the first time, the GIS Day is a global event where thousands of users of Geographic Information System (GIS) technology open their doors to schools, businesses, and the general public to showcase real-world applications of this exciting technology. The GIS Day 2012 event kicked off with a key note address by Brig Faiz Hussain Shah, of Army Survey Group Engineers and opening address by

Engr Muhammad Shahid, Pro Rector (P&R), NUST, which was followed by technical talks and geospatial exhibits from the major stakeholders in GIS which included DHA Lahore, LMK, UNOCHA, Mushko, iMMAP, e-solutions, IWMI, Magma Systems, City Pulse, Hydrocarbon Development Institute of Pakistan, Glo-Matrices, FAO, WFP, IOM, Army Survey Group and Survey of Pakistan. The focus of the event was to create the realization of the importance of GIS and the impact it has on the society.

The event was widely hailed and it was suggested that this should figure out as a regular event. The celebrations ended with a resolve to build up a strong linkage between academia and GIS community.

SMME organizes Sustain Earth'12

ASHRAE SMME Chapter held its major event of the year, Sustain Earth'12 on Dec 13. The idea behind this event was to promote research and critical analyses on novel techniques revolving around sustainability through a presentation competition. The competition required participants to understand the possible scope of such techniques and also to advocate them in front of an experienced panel of judges.

Sustain Earth'12 not only attracted confident individuals from SMME but also from a number of schools from our rich community at NUST. The event witnessed idea presentation about green cities, nuclear energy, renewable energy for Industrial Application, carbon sequestration & microbial electro synthesis, forestry, chicken waste as a source of energy and many more. Judges asked technical questions which challenged the understanding of participants apart from requiring them to be creative when judges described scenarios to them requiring action plans. The team from EME with the idea of Chicken Waste as a Source of Energy won the competition as well as cash prize of Rs 3000.



Runners-up team with idea of forestry and sustainability consisted of two 1st Semester Students of SMME, who got a cash prize of Rs 2000. The event was honored by the presence of Mr. Ather Siddiqui (Member Board of Governors and Chairman Student Affairs at ASHRAE Northern Pakistan Chapter) and Principal SMME, Dr. Abdul Ghafoor. The chief guest Mr Ather Siddiqui donated a tree to NUST and also appreciated the event in his remarks. He also motivated the audience to join ASHRAE international and to avail the amazing research and application opportunities waiting to be tapped by Pakistani students. Dr. Abdul Ghafoor, ended the ceremony with appreciative remarks and lauded the management team for working hard for the execution of the event.

Seminar on eye donation held

NUST Community Service Club in collaboration with REDO (Rawalpindi Eye Donors Organization) organized a seminar for creating awareness regarding eye donation at ASAB Auditorium on Dec 7. Guest speakers from REDO, which is one of the largest eye cure organizations, talked at length about the virtuous deed of eye donation. Dr. Anwar, Chairman REDO Sultan Hussain and Captain Maqbool focused on the significance of the cornea to the blind people.

Dr. Anwar highlighted different aspects of eye defects, especially corneal blindness, which is the major cause of blindness in most visually handicapped people. He also clarified various types of misconceptions regarding eye donation. Capt. Maqbool was the living example of someone who lost their eyesight while serving armed forces. He recovered his eyesight after seven years of blindness by corneal replacement. Capt. Maqbool said that the practice of eye donation is not forbidden in Islam. Furthermore many students and faculty members showed willingness to sign the consent letter for eye donation getting inspiration from their motto "Its not an eye you donate, its the life you return."

Towards the end, Dr. Muhammad Ashraf, Principal ASAB,



and Faculty Sponsor NCSC, Dr. Irtiza showed gratitude to the speakers for their precious time for this noble cause and appreciated the meritorious efforts by the REDO organization for their community work. Director Administration Arif Mahmud Siddiqui and Director Student Affairs Mehmood Bashir Bajwa also attended the seminar along with a number of students. A team consisting of NCSC members and the faculty sponsor visited REDO a few days prior to the event to get an idea of the services offered by the organization. NCSC will collaborate with REDO to create placements for in-field activity requirement for the Community Services Course being offered.

MCS faculty attend course at SUPARCO

Dr Fahim Arif and Dr Muhammad Hanif, faculty members at Military College of Signals, NUST completed a three-day short course on "Space Weather and its Effects" organized by SUPARCO— Karachi from Dec 18 to 20. The participants of the course were from academia, research organizations and other departments like civil aviation, Met Office etc.



Faculty Orientation NIPCONS

Professional Development Center (PDC) organized an orientation program from November 28 to 30 for the faculty of NUST Institute of Peace and Conflict Studies (NIPCONS) Rawalpindi at CIE. The purpose of the orientation was to acquaint the faculty of NIPCONS with NUST constituents, programs, policies and opportunities.



The orientation was attended by Rector NUST – Engr. Muhammad Asghar, Pro-Rector (Planning & Resource) – Engr. Muhammad Shahid, senior officials of NUST, representatives from each campus and faculty from NIPCONS. On the occasion, presentations by Rector NUST, Director Administration, Director Academics, Director HR, Registrar NUST and Director Innovation & Commercialization were given to the faculty. Attendees were made conversant with the policies, operations and infrastructure of all the directorates, as well as the future and strategic thrust at NUST. Moreover, the event featured introduction to employ policies, employ compensations, programs and trainings for personal growth of faculty. The orientation was followed by a formal tour of the H-12 Campus.

Orientation to community service course

To get the ball rolling on the recently introduced community service course, an orientation class was organized in ASAB to provide students with a general outline of the course.

This two-credit hour course was approved in the NUST Academic Council meeting to be mandatory for the university degree programmes. For now, the course is offered on optional basis and can only be availed by final year and post-graduate students, but the long-term plan is to make it accessible to all students and

focused on increasing awareness regarding various societal and health issues. Field work, on the other hand, will involve actual physical work; course opting students will involve various voluntary activities within NUST and also travel to various locations where their services might be required, places such as orphanages, charity hospitals and schools. Addressing student concerns that this course might hinder their studies, the speaker made it clear that none of the workshops and field work expeditions were



also to turn it into an obligatory requirement for degree completion. The forty-hour time slot allocated for the course will be divided primarily into two parts – ten hours for workshops and the remaining thirty for field work. The former refers to the various workshops that are conducted in NUST which are

compulsory, but also pointed out that the number of hours must be fulfilled for course completion.

It is hoped that by engaging in such activities, students can rekindle the dormant patriotic and humanitarian spirit, and strive towards alleviating the ever-worsening problems that plague our society.



New system for undergraduate entrance test

NUST has adopted a new system of undergraduate admissions which will be implemented from the year 2013. The new system aims at improving quality. During the admission cycle, candidates will be permitted to appear in entrance test more than once to improve their scores and apply for admission separately on the basis of best score, when applications are invited tentatively in April-May. The score will remain valid only for the ongoing admission cycle which will culminate in fall 2013. The entrance tests will be computer based for all disciplines and will be held in multiple sessions at NUST Campus Islamabad. The first session is planned for April while the second for July. However a paper based entrance test will be conducted in Karachi and Quetta in July. Eligibility criteria permits candidates who have cleared FSc (Part-I) or O level exam with minimum 60 % marks (or equivalent), to apply.

NUST, currently ranked 417th in the world by QS, UK, is meticulous in choice and induction of its students and the selection process is updated accordingly.

Seminar on Hult Prize

School of Electrical Engineering and Computer Science (SEECs) organized a seminar on the Hult Prize on Dec 5.

Mr Usman Zafar, the Country Director for Hult Global Case Challenge Pakistan conducted the entire proceedings of the seminar. The Hult Prize is the world's most acclaimed student initiative for social entrepreneurship. It is a platform that exploits the fervour and creative skills of the shining student minds to decipher the challenges the world confronts today. Students from NUST have also been invited to participate in this prestigious competition to launch the next wave of social entrepreneurs.

Providing the audience with the details of the event, Mr Usman Zafar said that President Clinton and Time Magazine had recognized the Hult Prize as one of the top five ideas

changing the world. He further said that thousands of students from more than 250 colleges and universities representing over 130 different countries worldwide would be submitting first round applications to participate in one of the five regional finals. Adding he said that the events were

going to take place in Boston, San Francisco, London, Dubai and Shanghai simultaneously where student teams will compete for a chance to exhibit their new social enterprise at the 2013 Clinton Global Initiative (CGI) annual meeting in New York City. Briefing the students of the procedural details, he said that students were required

to send a 500 words proposal suggesting innovative ideas how to overcome the food crisis which had victimized the population of the world at large scale; the proposals would then be scrutinized on the basis of their effectiveness and ingenuity. Students satisfied their queries through questions in the concluding session of the seminar.



Pakistani American Businessmen invited at TIC

In its efforts to promote an entrepreneurial culture within NUST, the Technology Incubation Centre (TIC) at NUST frequently organizes events for its incubatee companies as well as aspiring entrepreneurs among the students and faculty. On Dec 5, in collaboration with the U.S. Embassy, TIC organized a visit of two very prominent Pakistani American businessmen, Mr. Mirza Z. Baig and Mr. Mehmood Kazmi.

The visit was of immense value to the young entrepreneurs that attended. To share the opportunity with all of NUST, TIC also invited entrepreneurs from different NUST schools to participate. 6 TIC companies including those in pre-incubation, along with 4 companies based in SEECs got a chance to deliver elevator pitches in front of Mr. Baig and Mr. Kazmi, getting a taste of the actual process of acquiring venture capital. Pointed questions were fired at the aspiring entrepreneurs and their business models were challenged. All teams that presented agreed that this was an eye opening exercise for them and will determine their course of action in the immediate future.

Mr. Baig is a seasoned executive, negotiator, community development expert and social change investor with over fifteen years of experience in technology, healthcare and media operations in the U.S. whereas, Mr. Kazmi is an investment, marketing and strategy professional who has split his nearly 20 year professional career between the U.S. and the greater MENA, Turkey and South Asia region. After the success of the above visit, TIC has resolved to keep up its efforts of drawing inspirational professionals and seasoned entrepreneurs to NUST to motivate our young entrepreneurs and help them succeed.

A creative man is motivated by the desire to achieve, not by the desire to beat others.

Ayn Rand

PNEC holds 24th Convocation



The 24th convocation of Pakistan Navy Engineering College (PNEC), NUST, was held on Dec 28, 2012, at the Bahria Auditorium. Present on the auspicious ceremony were Rector NUST, Engr. Muhammad Asghar, Rear Admiral, Khwaja Ghazanfar Hussain SI (M), Commander Karachi and Chief of Naval Staff, Admiral Mohammad Asif Sandila NI (M) who graced the occasion as chief guest. There were a total of 202 passing out graduates from departments of Mechanical Engineering, Electrical Engineering, Industrial & Manufacturing Engineering and Electronic Engineering, who were awarded degrees and medals by the chief guest.

While addressing the audience, Admiral Mohammad Asif Sandila NI (M) congratulated the graduating students and their parents on arriving at this milestone. His advice to the graduating batch was to work hard and do their job with utmost honesty and efficiency. He lauded the role of PNEC in augmenting their infrastructure in order to commensurate education standards with leading technologies. Rector NUST congratulated the graduates, expressing his delight at the recognition of how PNEC, through NUST, contributed to education and technical development of the country.

The Commandant PNEC thanked the guests who graced the oc-

casation. He highlighted the fact that PNEC is a PEC recognized "Licensed Professional Engineering Body" and the BS (MIS) Program was recently re-accredited with National Computing Education Accreditation Council (NCEAC) of HEC, with the highest category of accreditation i.e. 'W'. He also mentioned recent establishment of Career Development Center (CDC), aiding in maintaining liaison with industries.



Dr. Qamar joins CES-NUST

Dr. Qamar M. Malik has recently joined NUST as Professor - Industry Chair at Centre for Energy Systems (CES-NUST) leading the development of industry focused applied research at CES - NUST. This initiative is unprecedented within the country's academic institutions that will eventually support the establishment of future technology park and foster increased knowledge and technology transfer between NUST and Industry. He will also assist CES at NUST in building on existing strengths to achieve the critical mass required for a major research endeavor in renewables of interest to industry. This will lead to an increased delivery of innovative applied research solutions to renewable industry not limiting to the community, regional industry but over a wide spectrum interacting with international industry and researchers.



Dr. Kendra V. Sharp gives lecture on Development of Water Runoff Model for Pakistan

A lecture was organized by Center for Energy Systems (CES) on Dec 6 in collaboration with Institute of Environmental Science and Engineering (IESE), NUST. The lecture, held in IESE Seminar hall, was delivered by Dr. Kendra V. Sharp from Oregon State University, USA, and was titled: "Development of Water Runoff Model for Pakistan 'A Tool for Identifying and Assessing Micro-Hydro Sites.'" Students and faculty along with Principals of both CES and IESE were present as Dr. Kendra discussed her department's current modeling efforts for Assessing Micro-Hydro Sites and how they plan to develop tools that will be more broadly available. Discussion was carried out on impacts of factors influencing efficiency in lab setting. She also expressed future plans for working with NUST to improve modeling techniques. Prof. Kendra V. Sharp was recently named a Glumac Faculty Fel-

low at Oregon State University for her work in sustainable technologies. She also received a National Science Foundation (NSF) Career Award supporting her work on particle effects in micro fluidics. She said that Pakistan has huge potential for micro-hydro systems which needs special attention for meeting present energy needs. She demonstrated that although there are some challenges like large variation in topography, complex precipitation patterns, and unreliable data but Hydrological modeling is essential to better understand the micro-hydro sites and installing most efficient system in Pakistan.



ACM Computer Week at SEECS

Association for Computing Machinery (ACM), SEECS Chapter in collaboration with the SEECS Alumni Association organized the computer week from Dec 9 to 14 at SEECS as part of highly distributed celebration of the impact of computing and the need for computer science education. ACM, the world's largest educational and scientific computing society, delivers resources that advance computing as a science and a profession. The week comprised a series of seminars, the first of which was Cloud computing, which focused on the social impacts of cloud computing and related career opportunities. The facilitator for the seminar was Nauman Bashir Bhatti from eMumba Pvt. Ltd. The second seminar on Augmented Reality held on Dec 12 was facilitated by Wahib-ul-Haq, Information and Communication System Engineering (BICSE) from NUST-SEECS and currently employed as Android Developer at DPL Pvt. Ltd. The final seminar on Machine Learning was conducted by Dr. Qamar, faculty at NUST on Dec 14. He has specialized in the fields of Machine Learning, Data Mining, Information Filtering and Information Retrieval. The seminar was appended by the closing ceremony.



The computer week also featured a 3-Day Workshop on Web Development for amateurs. Different knowledge areas regarding HTML, CSS, JavaScript and HTML 5 were attended to during the workshop which was a great opportunity for the beginners in web development. The workshop was attended by 50 students from SEECS and SCME and was conducted by Bilal Khan, BIT-12.

PEC license of CIE renewed

Center for Innovation and Entrepreneurship (CIE), NUST, got renewed its PEC license for the next 3 years on Dec 15. Being a licensed member institution enables the educational and training programmes of CIE to be accredited by PEC. Pakistan Engineering Council (PEC) is an executive and administrative premier engineering regulatory authority for professional and registered engineers, and technicians in Pakistan.

SEECs Global Village 2012

The event was held at School of Electrical Engineering and Computer Science, academic block on Dec 29. The chief guest at the global village, Dr. Arshad Ali (Principal SEECs) along with all the guests which included the families of the participants and faculty graced the occasion with their presence. Each country, represented by a team of students had to represent its culture, technology and food in terms of knowledge, decoration and performance, which was depicted to its best.

The judges visited the stalls and marked the teams in accordance with the grading policy in which 30% marks were awarded to the culture and its knowledge, 20% to technology, 20% to Food, 15 % to Creativity and Décor and Class Participation. They were impressed with the students' active participation and knowledge. Moreover, students too generated revenue to their expense with the sale of food and items at their own stalls. At the end of the evaluation, Saudi Arabia represented by BESE-3 of SEECs was announced the winner, China represented by BEE-4D was the runner up and Afghanistan depicted by BIT-11B was the second runner up at SEECs Global village. The judges lauded the efforts of the students, and readily appreciated their rich cultural knowledge.



Failure Analysis Centre becomes functional at SCME

Failure Analysis Centre was launched at School of Chemical and Materials Engineering (SCME), NUST, in collaboration with Pakistan Air Force (PAF) with an aim to provide expert analysis of failure events including both identification of cause and prevention in the future. FAC



offers Macroscopic and Microscopic Analysis, Chemical Composition Analysis and Micro-structural Analysis. Their expected Potential clients are Civil & Military Aviation Organizations, Strategic Organizations and Designers and Manufacturers in Marine, Automotive, Power Generation and Mechanical Sectors.

The official launching ceremony of FAC is planned in the first week of January 2013. Even while in its infancy, FAC has taken numerous high profile projects from the industry and drawn clients such as Pakistan Army, Civil Aviation Authority, Strategic Organizations and Power Generation Sectors. The failure analysis services and projects conducted by FAC are of strategic and national significance. FAC has received wide acknowledgement for providing invaluable solutions and preventive measures to help avoiding failures.

'Revisiting Iqbal'

A team of five students consisting of Sannan Khan, Maleeha Babar, Aymun Mussadaq, Omar Zafar and Ayesha Khan from NUST Business School launched on Dec 01 an online campaign to revive Iqbal in students and highlight the relevance of his poetry and message in the lives of Pakistani youth today. While the online campaign involved posters explaining couplets from Iqbal both visually and with translations; a formal event under the name of 'Revisiting Iqbal' was organized by this team of students on Dec 6 in NBS Seminar Hall.

Ensuring that the message of the campaign and event was relatable to the student community, students themselves took to stage and explained how a certain piece of Iqbal's poetry was close to their hearts, explained the meaning of that particular piece of poetry and shared with the audience how Iqbal and his message influenced their lives. The concept of "Khudi" and "Shaheen" were also explained by the speakers. Maimoona Javid recited the hamd 'Loh bhi tu qalam bhi tu' by Iqbal and explained how finding the God and understanding what He wants from us is important for each one of us. 'Yarab dil-e-muslim ko'

was recited by sahar shahzad, 'Har lehza hai momin' by Hubrah Siddiqui, 'Khudi ko kar buland itna' by Zeeshan and Gulraiz and 'zamanay ke andaaz badlay gaye' by Taha and Rauhan. Each one of them explained the significance of the words of Iqbal and how our youth can steer this nation towards progress by understanding what Iqbal's shaheen is about and how each and every one of us can be a 'shaheen'.

The event was attended by students of NUST and members of the faculty and Ms Maria Qadri, President Student affairs NBS.



Lecture on Swedish Architecture at SADA

School of Art, Design and Architecture has been keenly organizing guest lecture series that not only provides immense exposure to the students but also aides in clarifying their misconceptions and kindle their path to becoming acknowledged professionals. Mr. Martin Stintzing of Hidemark & Stintzing Arkitekter, Sweden delivered a worth remembering lecture on Dec 10. The lecture was attended by students and faculty of SADA.

The newly elected National Chairman Institute of Architects, Pakistan (IAP); Mr. Jahanger Sherpao and the chairman IAP Islamabad chapter; Mr. Fawad Abbasi graced the occasion as esteemed guests along with various other renowned architects of the region. Mr. Martin Stintzing is one of the owners of Hide-mark & Stintzing Architects, founded in 2000. The firm has been employed for the design of numerous embassies, consulates and residencies all around the world, from New York and Brazil



to Kuala Lumpur as well as the Swedish Embassy in Islamabad. Mr. Martin gave an insight to the modern and state-of-the-art work of his field to inquisitive young minds. He shared some of his projects with the students to introduce them to the Swedish designs and discussed the art of sustainability in all of Swedish designs. In this session, the students served their appetite of curiosity to the fullest by interacting with the speaker and the renowned guest architects.

Visit to National Assembly of Pakistan



A study trip was arranged for students from SEecs to the National Assembly under the guidance of Principal SEecs, Dr. Arshad Ali on Dec 18. The initiative was taken by faculty member Farah Naz to invoke sense of responsibility among youth and to fuel the youth's useful energies in a constructive manner. The program also intended to help figure out the problems in our system and society on the biggest national forum.

Deputy Speaker National Assembly, Mr. Faisal Karim Kundi chaired the session. Some notable personalities present at the session were Mr. Farooq H. Naiq, Ms. Khushbakht Shujaat and Syed Khursheed Shah. Among the committee proceedings were bill introductions, motions and resolutions moved by various parliament members. Some of the motions on floor included "Sale and Auction of precious Gandhara artifacts in Western Museums", "Bill to redress the acid throwing and burn crimes" and "Overcharging of electricity bills for over three years in Karachi".

An inimitable part of attending the session was seeing the people from whom to expect a change and gain motivation to be the part of that change, leading to the goal of a better tomorrow. The session helped the young future leaders from NUST to examine the proceedings of National Assembly Sessions more closely and hence, many of them took inspiration from their favorite leaders..

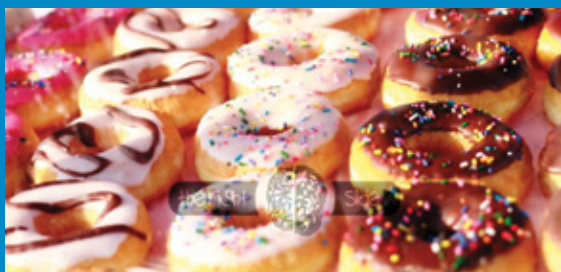
Charcoal Drawing Competition

The students at NUST enthusiastically participated in the charcoal drawing competition on Dec 28. School of Art, Design and Architecture Drawing Studio at the rooftop was flushed with participants wanting to manifest their art skills. The participants were provided with charcoal sticks, a drawing board, drawing sheets, soft pastels and erasers. After a briefing about the rules and requirements by the Judge, Imran Hunzai, the competition began. A display of exotic ideas and strangely interesting concepts was seen on paper. Sana Ejaz from SADA bagged the winning award while Masooma Asghar clinched second position and Faiza Syed from ASAB stood third. All the art pieces were simply effulgent and have been well preserved by NFAC. The event was thoroughly praised by all the participants.



Winter Fest: A Spark of Fun in the Snow

NUST Business School held a fun filled winter themed festival called 'Winter Fest: Let's Get High on winters' on Dec 18. The festival was held in the NBS basket-ball court and students from all schools of NUST were invited. The festival had a colorful array of stalls, decorations according to the theme of the show. The stalls ranged from an information stand set up by the host team to stalls from brands like Dominos, The Olive Garden, Mr. Cod, Hot and Spicy etc. In addition to that, there were stalls from university students providing services like message dedication, hairstyling, Fifa, 'paan' and many others. There were games for the overall entertainment of all those who attended, like water balloon, darts, lucky seven and minute to win it. Along with that, a play was performed by the host team, 'NBS ka Graduate', which highlighted the importance of hard work instead of taking shortcuts in life in a very hilarious manner. The event was officially covered by "The Right Side". All in all, it was definitely a very successful event as proven the general reaction from the people who attended the event.



World Science Day observed

NUST Science Society (NSS) organized an event on Nov 10 2012 to celebrate World Science Day for Peace and Development. The winner of this event was announced on Dec 1 and was namely; Asim Farooq (ASAB) for sharing the idea of "Power Generation from Waste Water Treatment Plants by using Microbial Fuel Cell". Muhammad Sarmad Khalid (SCME) was the runner-up for the competition for giving the idea of using "Plastic Waste to Form Roads."

The online competition was themed; 'Science for global sustainability: interconnectedness, collaboration, transformation'. Participants were invited to submit their scientific ideas and research projects from all over the world and finding solutions for the problems in our country at the same time. The winning entries were decided based on the number of likes they received on Facebook, votes received from the executive body, relevance to the theme and evaluation of the justification. The winner and runner up ideas were awarded Rs 1500 in cash.



Re-accreditation of BEE and BICSE programmes at SEECs

NUST School of Electrical Engineering & Computer Science offers Bachelors of Electrical Engineering (BEE) and Bachelors of Information & Communication System Engineering (BICSE) Programs. The PEC accreditation team comprising three members visited NUST-SEECs between Dec 26 -28 for re-accreditation of BEE and BICSE programmes. The convener of the team was

Dr Bhawani Shankar Chaudhry, the Dean Faculty of Electrical, Electronics & Computer Engineering at Mehran University of Engineering & Technology. The team was briefed on their previous visit's outstanding issues. Interaction of the team members with the students and faculty was held to allow the team to determine the status of the programmes being accredited. Various classrooms and labs were visited by the team and the improvements since their last visit were highly appreciated. The team also called on Pro-Rector (Academics) Dr. Asif Raza at NUST main office.

Army Medical College holds seminar on quality assurance



Army Medical College NUST organized a one-day seminar on "Quality Assurance in Higher Education and Role of Program Team in Self Assessment Process" on Dec 13. The event was inaugurated by A/Dean AM College, Maj Gen Mohammad Ayyub and was attended by the heads of the departments and senior faculty along with the members of the program teams for differ-

ent degree programs taught at the College.

The inaugural session was followed by a presentation on the Quality Assurance in Higher Education, delivered by Engr Muhammad Ismail, Director Quality Assurance at NUST. The presentation highlighted the need, benefits and mechanism of Quality Assurance and explained the procedure of the self-assessment of academic programs. It was concluded by the presenter that quality assurance is the own responsibility of the higher education institution and is possible only with the strong resolve of administration and faculty.

During the next two sessions of the seminar, the resource person covered the role of Program Team in Self Assessment Process and Writing of Self Assessment Report. The composition and responsibilities of the Program Teams were discussed and writing of Self Assessment Report was deliberated on the basis of criteria and standards as prescribed by Higher Education Commission. While concluding the seminar, the Chief guest Maj Gen Muhammad Ayyub emphasized on assuring the quality of academic programs of AM College and advised the program teams to take the responsibility of writing the Self Assessment Reports very seriously.

UK-Pakistan Coal Conference-2012

UK-Pakistan Coal Conference was held at the University of Leeds this year. The conference focused on key aspects on Pakistani Coal utilization including combustion, Power generation, coal mining and gasification. Principal CES Dr. Mohammad Bilal Khan participated in the conference as a Keynote speaker on behalf of CES-NUST and presented the paper titled "FT synthesis using a novel nano crystalline catalyst system for production of high quality fuel from syngas." The objective of the conference was to increase academic collaboration between UK and Pakistan and encourage industrial conduct with the UK to develop coal and power industries in Pakistan. There was good mix of academic and industrial delegates from both the UK and Pakistan having interest in developing the industry. On this occasion the conference delegates visited the DRAX power station, which produces 10% of UK electricity (4500 MW) from direct coal fired steam turbines.



College of E&ME organizes Pakistan Composite Show

Pakistan Composite Show – a symposium / policy dialogue and industrial exhibition was held on Dec 8 at Islamabad Hotel. The event was organized by the Composites Engineering Research Group of Department of Mechanical Engineering (DME), NUST College of E&ME. Federal Minister for Science and Technology Mir Changez Khan Jamali was the Chief Guest at the occasion.



It was sponsored through a research grant from Department of International Development (DFID), UK under the British Council DELPHE project won at DME, NUST.

The event featured two parallel activities; Firstly, a symposium & a policy dialogue session where the academics, industrialists and government functionaries exchanged views and tried to evolve a strategy for turning around the composites industry of Pakistan. Secondly, an industrial exhibition where all the composites related companies were invited to hold stalls/exhibits for their companies without any setup costs. Besides the participation of a large number of composite manufacturers, in order for the policy dialogue to be successful, all major stakeholders from the government side also participated in this event. Following a huge amount of effort, more than 20 industries and 150 participants from industry, academia and government officials attended the show.

The Composites Engineering Research Group at DME, NUST was created with the prime motivation to enhance the capacity of academic sector for helping our industry. In his remarks Commandant College of EME Major General Obaid bin Zakria appreciated the efforts of the whole organizing team of Pakistan Composite Show.

NUST Science Bee assembles high school, varsity students

NUST hosted the mega event, Science Bee on Dec 22. Teams from high schools and colleges of Rawalpindi and Islamabad, as well as undergraduate freshmen from NUST and other took part in the competition. This event was organized by the NUST Science Society (NSS) and was held in School of Chemical and Materials Engineering (SCME). Ali Moeen Nawazish joined the audience as the Chief Guest for the event.

The Science Bee was a competition that judged the scientific prowess of the competing students in areas of theory and practice. The winners were announced and in ascending order the teams were, Islamabad Model College, CEME, Rawalpindi and SMME NUST, Islamabad. They were presented with cash prizes up to Rs. 9000/- and shields.

The competition began with society president, Sana Ansari's, address and consisted of four rounds. The 14 teams that attended the event were given written questions in the first round, "Mind Buzz", related to Physics, Chemistry and Analytical thinking. The second round, "Compound Eyes" was a test of the students' memory and ability to absorb and digest information quickly. "Sting Mode" tested the students' practical knowl-



edge by giving them an experiment to perform. Furthermore, the participants were also given the option to take the "Mensa IQ Test" held by the Pakistan Chapter of "Mensa International", a High IQ Society and the oldest of its kind in the world. The test guarantees automatic membership in the society if a score in the 98th percentile and above is achieved.

The event concluded with Ali Moeen Nawazish, distinguished for his Pride of Performance Award by the Government of Pakistan for the world record he made by achieving 21 A's in his A' Levels, stressing on the participants to recognize the privilege they were born into and the opportunities they had received.

Special Lecture Series by SCME Alumni Association

SCME Alumni Association (SAA) organized its first event since the society's inception on Dec 18. Titled 'Impacting Excellence', the talk was hosted by SCME alumnus Mustafa Arshad. Mr. Arshad is currently a trainee engineer at Descon. He is one of the 42 out of 6800 applicants to be hired by Descon Engineering Pakistan branch and also the 1 out of 5 who is being assigned to Doha business area for plant services to industries. The interactive session was planned as a part of Special Lecture Series, aimed at supplementing the subject knowledge of students.

Mustafa Arshad discussed the technical, legal and business aspects of the nature of his work at Descon. He shed light on the skills that gave him an edge in the rigorous selection process along with advising the students to maintain a strong grasp on the subjects taught in course. On Dec 20, the students of SCME were joined by Anum Chandani, SCME alumnus and Trainee Engineer at Engro Polymer & Chemicals Limited (EPCL). Miss Chandani started with an introduction to the nature of work at EPCL with an overview of the process description of PVC manufacture followed by its major parameters and applications. She gave the students some tips on polishing their skills which will aid their selection and integration into the industry.

In both sessions a question and answer session followed where the students actively inquired regarding projects, mentorships, internships and the different stages of the industrial recruitment process specially interviews.

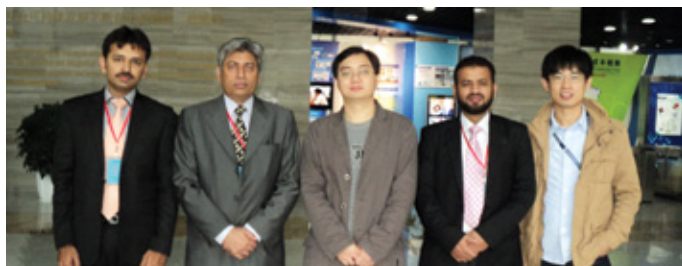
SCME delegation visits CAS Institutes

NUST Task Force, a three-member delegation from School of Chemical and Materials Engineering (SCME), comprising Principal SCME, Dr. Muhammad Mujahid, Dr. Amir Habib and Mr. Aftab Akram, visited three institutes of Chinese Academy Of Sciences (CAS) namely National Centre For Nano Science and Technology (NCNST), Beijing, Ningbo Institute of Materials Technology And Engineering (NIMTE), Ningbo, Zhejiang Province And Shenzhen Institute Of Advanced Integration Technology, Shenzhen. The visit extended from Nov 26 to Dec 1.

The NUST delegation was welcomed by Prof Yuliang Zhao, Deputy Director, faculty and students. Presentations were delivered by Dr. Mujahid and Dr. Amir Habib where they introduced the audience to SCME and presented their research work on DSSC and SPM.

On the delegation's visit to Tsinghua University, Department Of Material Science And Engineering, on Nov 27, Dr. Mujahid had a meeting with Professor Andy Godfrey to discuss various projects and the possibilities of collaborative research between SCME and Tsinghua University.

NIMTE, Ningbo was visited on Nov 29 where research work was presented by both parties. TWAS award for sponsorship of studies and Post-Doctoral fellowships with funding were also offered by the host institute. Furthermore SCME also agreed to hold screening and interview of Pakistani national students who will apply for full time research degrees at Ningbo Institute.



Honouring high achievers at SCME



School of Chemical and Materials Engineering held a prize distribution ceremony for the high achievers of its summer 2012 semester. Students who achieved GPA greater than 3.5 received academic scholarships and gift bags. There were a total of 54 recipients who received this honor.

Principal SCME, Dr. Muhammad Mujahid; HoD Chemical Engineering, Dr. Arshad Hussain; HOD Materials Engineering, Muhammad Shahid along with SCME's faculty and students were present at the ceremony. Dr. Mujahid related the history of the School and its progress over the years as he proudly informed the audience that more than 60% SCME students received job offers from different companies, some even before graduation. Assistant Professor, Nadeem Ehsan and Dr. A.Q Malik also announced the launch of SCME Alumni Association, a forum for the graduates to interact and guide their juniors. An Interactive session ensued.

Case Study of Islamabad-Murree Dual Carriageway at NIT

Mr. Tanveer Ishaq delivered a lecture on "A Case study of Construction of Islamabad-Murree Dual Carriageway" to NIT faculty members and MS Transportation Engineering and MS Construction Engineering and Management students at NIT on Dec 6. Mr. Tanveer is currently working as Project Director on Kohala Muzaffarabad Road Construction Project. He has 23 years of experience in Road Construction and has completed a number of projects in his career. After the lecture, students asked questions regarding various aspects of the construction of the project. Main focus of the lecture was on stake holder management on the project. At the end, NUST souvenir was presented by Dr. Muhammad Nasrullah Khan, Principal SCEE to the guest speaker.



Seminar series at CAMP

Centre for Advanced Mathematics and Physics (CAMP) continued their weekly seminar series in the month of December. The first of the series was held on Dec 3 where Dr. Rashid Khan of Norwegian University of Science and Technology, Norway, conducted a seminar on 'Chiral Transition and Magnetic Effects in the Quark-Meson Model'. The next day, Ms. Naila Amir, a PhD Student from CAMP delivered a talk on Symmetries and Algebraic Structures as a part of the PG Student Seminar Series. Prof. Muneer Ahmad Rashid gave a lecture on 'number of idempotent and quadratic residues'. On Dec 12, Dr. Salman Amin Malik from Department of Mathematics, COMSATS Institute of Information Technology, joined the students to deliver a lecture on 'The properties of blowing up solutions of a nonlinear system of fractional differential equations'. The purpose of this talk was twofold; first to present the bilateral estimates and second to get a lower bound and an upper bound on the blow up time for the FDS and PFDS system. On Dec 17, Mr. Saif Ullah, Department of Physics, QAU Islamabad, delivered a lecture on Synthesis and Characterizations of Li doped ZnO Nanoparticles and Thin Films for Spintronics Applications.

CAMP's seminar series is a way to keep student body updated with latest developments in their respective fields, while establishing and maintaining linkages with faculties of various educational institutes.

NBS Alumni Scholarship Program (NASP)

NBS Alumni Scholarship (NASP) is an initiative of NUST Business School Alumni and their friends and family to support financially challenged students of NBS. It has been five years since this program is successfully running. The scholarship is awarded on the basis of academic excellence; however, financial need is also taken into consideration. The scholarship is awarded by the Alumni Committee upon the recommendation of various members. During the Fall-2012, NASP and the students of NBS has donated PKR 240,000 against tuition fee of most deserving students of NBS. The amount donated in this semester is higher than the donation made so far. This time students of NBS along with alumni have launched a donation drive to generate funds for NASP and they have donated a lot for raising the funds and helping their friends.

Lecture on Islamic Banking at SCEE

As an augmentation to the Engineering Economics course, a seminar on “Islamic Banking” was organized for civil engineering undergraduate batch 2009. The facilitator of the seminar was Dr. Muhammad Fahim Khan, distinguished faculty member, National Defense University (NDU), Islamabad. Dr. Fahim Khan has long experience in teaching, training and research on areas of Islamic economics, Islamic finance, and Islamic business as well as in areas in conventional economics and Public Policy. He also has several years’ experience in building and managing academic institutions in Pakistan and abroad.

His rhetorical presentation featured questions relating to Riba, Bank interest, basic theories of Islamic banking and “Islamicity of Islamic banking and banks. Several cases were put forward for the attendees to comprehend the essence of Islamic banking and to understand the difference between interests and profits, rate of returns and rate of markup. He quoted from Quran and Ahadis at various instances to supplement his topic. The seminar was an Islamic guidance for the future civil engineers in the matters of finance.



Truck Art Workshop at SADA

Truck Art Workshop at SADA was the 4th event organized by the NUST Fine Arts Club in an attempt to preserve and celebrate this art form. The event commenced with the guest instructor, Mr. Nazir Hunzai from NCA Rawalpindi departing his knowledge and giving tips to the attendees regarding Truck Art. 6 basic colors, a tin sheet, paint brushes and turpentine were provided to make the experience as convenient as possible.

The participants came up with ideas and excitedly displayed them on their sheets. Paintings were influenced by culture, poetry, country, religion. Sample designs for truck art were also given to participants to give a kick start to their ideas. All of the attendees fell in love with the art that they witnessed. The open air setup for the workshop complemented well with the theme of the event. This event was a triumph for arts and a success that will set the stage for improved and more innovative versions of it.



HL7 team at SEECs attend Pakistan Cardiac Society Conference

A Team from HL7 currently working at SEECs, NUST, attended the International Cardiology Conference that was organized by Pakistan Heart Society at Marriot Hotel, Islamabad from Dec 21 to 23. The chosen spotlight of the event was “Heart to Heart” which needs to be translated into daily clinical practice. Main purpose of this conference was to highlight the most relevant issues of diagnosis, management and treatment of cardiovascular diseases and the efforts, techniques which can bring improvement to patient care. This conference got attention of more than 500 cardiologists, physicians from Pakistan and abroad.

NUST in partnership with ICT (R&D) Fund achieved HL7 Affiliate Status for Pakistan in October 2010. HL7 Pakistan is a non-profit organization with the vision of making healthcare systems interoperable by adopting health standards such as Health Level Seven (HL7). It is an initiative towards healthcare standardization across Pakistan. A Team from HL7 currently working at SEECs, got the chance to spread awareness on stall and the pilot application “Smart Rx” was also showcased. SEECs faculty member, Dr. Khalid Latif (Chair Technical Committee-HL7 Pakistan) presented research and smart Rx application in the main session which got attention of many doctors and was highly appreciated for clinical practice management and research based upon data. Dr. Hafiz Farooq (Chair HL7 Pakistan) and Mr. Zahid Ali (Executive Director) were also present to give awareness and application demo to the doctors. It is also important to mention that many pharmaceutical firms were also interested to build a relationship to promote this use of such innovative technology which can create public health impact and manifold benefits for doctors and also the patients.

MCS celebrates Hobby Day

To bring out the variety of talents and interests along with a change from the everyday routine for its faculty and student body, Military College of Signals dedicated a day to hobbies. On Saturday, Dec 15, Hobby Day was celebrated showcasing numerous creative ensembles and collections. Students and faculty members from every department as well as their families participated in the event. Personal collection of stamps, coins, books, bus and train tickets, pets, hunting and sports gear, novelty game and sports cards, jewellery, music and movies CDs were meticulously displayed on individual stalls. The second major category of participants displayed personal creations like sketches, glass paintings, accessories, clothes, poetry, photographic collections, hand-made candles and greeting cards, assembled ships etc. All the participants informed the guests and visitors enthusiastically about their creations and collections. Creative and personal collections were evaluated separately by a panel of judges. Every category was awarded three prizes based on the level of interest and talent, creativity, and time spent on the hobby. Commandant MCS, Brig. Ali Farhan gave prizes to the winners and lauded the efforts of all participants. Speaking on the occasion, the Commandant highlighted the importance of maintaining hobbies. He said that hobbies strike a



balance in an individual's life and provide the opportunity of sharing one's interests and talents with like minded people.

Farewell to 32nd MBBS batch in AM College

December 7 marked the happening of a very important event in the history of Army Medical College. The event was organized by Sina company in Boys Hostel Army Medical College to bid farewell to one of the finest entries this college had seen; "The Great 32nd MBBS". It was for the first time that officials from the college attended the ceremony in huge numbers. It started off as a nostalgic evening for the "doctors to become" of 32nd MBBS but was followed by comedy mimicry and a series of slideshows which was a flash back of their 5 years in this college. The show came to end with the inspiring speech of the outgoing CSUO Tanveer Abbas who went very emotional saying that the last 5 years had completely changed his life and leaving AMC was just like leaving his own home. The event ended by the closing speech of the Ex-vice principal Army Medical College in which he mentioned that this entry was surely one of the best entries he had witnessed in his career and that it would produce a fine cream in the army. None the less, the night ended with endless prayers from the teachers to their students for their future ahead as bright Doctors.



UFONE Summer Internship Programme 2012



Mr. Abdul Aziz, President and CEO of Ufone PTML, distributed certificates and awards to the best Interns of "Ufone Summer Internship Program 2012" in a ceremony held at Marriott hotel Islamabad on 1st December, 2012. There were 12 best interns nationwide out of which 10 were from Islamabad. Out of these 10, five were from NBS and one from engineering department of NUST. Students namely, Bisma Asif for Best Marketing, Sarosh Tasneem for Best Corporate Strategy & PMO Intern, San-iyah Abbass for Best Contracts, Procurement & Administration Intern, Zahra Nageen Zafar for Best Human Resources Intern, Adina Sadiq for Best Sales Intern.

The remarkable function was attended by many Corporate and Academic officials including Rector COMSATS, Dr. S. M. Junaid Zaidi. Mr. Waleed Iqbal, Senior Alumni of NBS currently working as Assistant Manager PMO in Ufone said:

"Our NBS students worked really hard during their period at Ufone to make us alumni proud. We all must acknowledge the opportunity that Ufone offered to NBS students in the Summer Internship Program". NBS is fortunate having bundle of bright and talented students who are trained to have right set of skills tailored according to the specific need of industry. We have innumerable success stories of students which make the institute "pompous" and its students "proud NUSTians".

ASAB researchers visit Cholistan Desert

The Cholistan Desert is a part of the world's seventh largest desert, which is stretched along the southern border of Punjab province, Pakistan. An initial ethnomedicinal survey on Cholistan Desert has revealed that some of the medicinal plants such as *Citrullus Colocynthis*, *Farsetia Hameltonii*, *Acacia Nilotica*, *Calotropis Procera*, *Solanum Surattense*, *Capparis Decidua*, *Haloxylon Recurvum*, *Mollugo Nudicaulis*, *Mukia Maderaspatana*, *Salvadora Oleoides*, *Tribulus Longipetalus*, and *Tamarix Aphylla* can be used to treat many diseases by local people. For the purpose of collaboration, a medicinal plant research group including faculty members Dr. Qasim Hayat, Dr. Nasar-um-Minnullah, Dr. Muhammad Faraz Bhatti and students namely; Saima Hanif, Aliya Sadiq, Sadia Malik and Shabina Irum from Atta-ur-Rahman School of Biosciences visited Cholistan Institute of Desert Studies hosted by the institute's director Dr. Shazia Anjum,

where they had a broad range of interaction with academics and officials from the Islamia University. Moreover, the team surveyed the desert and Lal-suhanra National park and collected some medicinal plants samples for their research.



RCMS conducts Workshop on Large Scale System Analysis Using MATLAB®

A two day workshop on "Large Scale System Analysis Using MATLAB" was held at Research Center for Modeling and Simulation from Dec 26 to 27. The workshop was jointly conducted by Dr. Mianllyas Ahmad and Tariq Saeed from RCMS. The workshop provided an introductory level jump start for two important approaches ; model reduction and parallel processing to analyze large scale systems in MATLAB®.

Following the workshop, a special lecture on "Research Methodologies in Modeling & Simulation" was held on Dec 26 at RCMS, NUST. Guest speaker Dr. Faqeer Zarar Yousaf from NEC Labs, Heidelberg, Germany, addressed the audience that included RCMS faculty and students from all over NUST campus, Islamabad. While addressing, Dr. Yousaf identified conventional pitfalls during the research endeavors and shared various effective strategies to circumvent the problems during research. Additionally, he emphasized the importance of modeling and simulation in variety of fields by giving examples of various applications.



Delegation from ASAB visits local industries



Dr. Muhammad Ashraf, Principal of Atta-ur-Rahman School of Applied Biosciences (ASAB), along with an 8 member faculty delegation visited various industries in the Punjab province from December 16-19. The purpose of this visit was to bridge the long-standing gap between industry and academia. The major objective of this delegation was to identify the problems being faced by local industry and to offer solutions through research facilities available at ASAB. The industries visited Medipak pharmaceuticals, Nestle food company, Crescent Bahuman while the delegation also visited Forman Christian College (FCC a chartered university) to foster research collaboration and a road map was chalked out to eventually sign an MOU between NUST and FCC. Top management of the visited industries and FCC were invited to visit NUST so that research capabilities at ASAB could be further explored by them to broaden the spectrum of research collaborations. It is expected that during these visits the scope of a formal collaboration will be finalized, as the industry has also offered internships to masters and PhD students of ASAB.

03 Co-curriculars Corner

‘Doh Dooni Aik’: an avalanche of hilarity

NUST Debating and Dramatics Society (NDDS) produced a hilarious play ‘Doh Dooni Aik’ with a magnetic subject. Directors of the play; Zulfiqar Asim along with Sarah Ansari and the Script writer; Ali Ahmad Khan injected life into the play with their phenomenal and breathtakingly-realistic performances. Chief Guest and a gem of an actor, Anjum Habibi lauded the efforts of the cast by relating it to the fine plays of his time.

The curtains opened up to “Good luck Marriage Bureau” where the owner of the bureau, Mr. Guddo (Zulfiqar Asim) promised the elopement of a couple. Things went interesting when their parents landed into the same marriage bureau to find a suitable match for their kids. Major Baksh (Waleed), the boy’s father and Haji Muhammad (Ali Ahmed), the girl’s father were as different as chalk and cheese in regards to finding a match for their kid. ‘Haji Sahab’ wanted a righteous boy for her girl while Major Buksh wanted a girl like her favorite actress; Rakhi Sawant. The jam packed auditorium of Islamabad Club witnessed the side-splitting arguments of major Baksh and ‘Haji Sahab’ while Mr. Guddo tried to quench their heated discussions and successfully arranged the marriage of the couple.

As a prelude to the play, there was a mime performance by



the students of NUST Business School and NUST School of Art, Design and Architecture, followed by the NUST Rappers who kept the audience captivated. President NDDS in his concluding remarks paid gratitude to SMME for the manufacturing of the stage and SCME for providing their seminar hall for the preparations along with acknowledging his team for their dedicated efforts.

Silver medal for NUST-SEECs team at SURGICON’12

The paper, titled “Al-Zahrawi™ Robotic Tele-surgical Trainer for Minimally Invasive Surgery” by the Mechatronics team of the SEECs project “Development of a Tele-Surgical Robot and Simulator (TSRS)” won a Silver Medal in the Young Surgeon/Innovator category at the International Surgical Conference (SURGICON-2012) organized by the Society of Surgeons Pakistan from Dec 7 to 9. There were over 300 surgeons from all over Pakistan and abroad. The project is being funded by ICT R&D at a total cost of Rs 36 Million.

Al-Zahrawi™ is a surgical training robotic system for robotic Minimally Invasive Surgery which syncs the surgeon’s hands movements to the robust six degrees of freedom robotic arms. Based on the master-slave topology, Al-Zahrawi™ provides surgeons a wide range of manoeuvres to groom their surgical skills. Advantages of robotic surgery include enhanced dexterity, augmented surgical-field view, increased control over movements, motion-scaling and etc. More than 50 papers were presented at SURGICON 2012 including five from the NUST-SEECs. After a strict review process, all five papers from NUST-SEECs managed to qualify for the semi round. In the final round, Mr. Sajid Nisar (Team Lead Mechatronics TSRS) garlanded the Silver Medal. The project is mentored by Dr. Osman Hasan and Shaml Bin Mansoor and involves Sajid Nisar, Taimur Hasan, Asad Hameed,

Mohsin Ali and Yasir Hassan.

The chief guest Prof. Muhammad Iqbal (Shifa Int’l Hospital) remarked that tele-surgery is the latest trend in surgical field while mini robots are being used to repair the diseased coronary arteries. “There is a need to develop centers for conducting training in new technologies in various regional centers of CPSP and divisional medical colleges. We need to strive hard in order to save and protect the precious human life,” he said.



SEECs team stands out at TiE International Business Plan Competition (TIBPC)

The business plan entitled "SMART SurgiSol", developed by a young team of innovators working on the SEECs project "Development of a Tele-Surgical Robot and Simulator (TSRS)", won the second prize and trip to Brussels, Belgium at TiE International Business Plan Competition (TIBPC), Islamabad Chapter. The business plan of SMART SurgiSol is intended for the commercialization of the product "Al-Zahrawi", being developed at the SMART Lab in SEECs. Al-Zahrawi™ is a surgical training robotic system for robotic Minimally Invasive Surgery (MIS) which syncs the surgeon's hands movements to the robust six degrees of freedom robotic arms. Based on the master-slave topology, Al-Zahrawi™ provides surgeons a wide range of maneuvers to groom their surgical skills. Al-Zahrawi Virtual Reality Simulator provides the platform for the surgeons performing MIS conventionally. The project is funded by National ICT R&D Fund.

TIBPC was launched in Islamabad on Nov 28 in collaboration with HEC. National ICT R&D Fund was the exclusive sponsor of



the competition. Teams from 36 universities (including LUMS, IBA & FAST) across 16 cities from all over the country participated in the competition. U.S Ambassador His Excellency Mr. Richard Hoagl and Engg Syed Imtiaz Hussain Gillani, Executive Director HEC, were amongst the high profile dignitaries that attended the event. SMART SurgiSol team will be flying to Brussels in February 2013 to compete in Regional Finals. The team is being mentored by Dr. Osman Hasan (EE) and Mr. Shamly Bin Mansoor (DoC).

Trash to Model Contest

The exhilarating 'Trash to Model' Contest came to life in IESE's central courtyard on Dec 7. The chief guest for the event was Dr. Nasrullah Khan, principal SCEE and Dr. Anwar Baig, HoD Environmental Sciences and Ms. Anila Luni from SADA were the esteemed judges. A total of sixteen teams took part from SADA, IESE, NICE, ASAB and SEECs. Each team was given a carton of trash that was to be used in a manner so as to create something ingenious and simply amazing. Most of the material used by the contestants consisted of cardboard boxes, plastic bottles, juice cartons and disposable cups.

The concluding ceremony started by first awarding the participation certificates to all the contestants and then finally declaring the Team five as the runners up and Team nine as the winners of Trash to Model. The winning model, a tank created out of cardboard and disposable boxes and a train engine made of disposable cups and cans was truly a masterpiece. These two miniature toy models stole the show and without a doubt the hearts of many present. The runner up model was a cool guitar made of cardboard and decorated by crisps wrappers. The winners and the runners up were awarded certificates and prize money of Rs. 4000 and Rs. 2000, respectively. It was hard to believe that the models really were made of trash due to their perfection and finesse.



Visit to Rohtas Fort

School of Arts, Design and Architecture (SADA) organized a study trip to Rohtas fort for 5th semester students accompanied by faculty members on Dec 13. Rohtas Fort is a historical garrison fort built by king Farid Khan, located near the city of Jhelum

The trip not only provided the students a break from their study routine but also unveiled upon them the marvelous architecture of ancient era. The students along with faculty analyzed the heritage site to comprehend the enhanced features of the place. The technological advancements and building techniques of ancient age were also analyzed. The students did fun assignments along with photography at the site. The trip not only provided an insight to the ancient architecture but also provided the much-needed exposure to young architects by peeking down the ancient era of architecture.



This fort is about 4 km in circumference and the first example of the successful amalgamation of Pashtun and Hindu architecture in the Indian Subcontinent. It is also outstanding by virtue of the refinement and high artistic value of its decorative elements, notably its high and low-relief carvings, calligraphic inscriptions in marble and sandstone, plaster decoration and its glazed tiles.

Trekking 2.0

NUST Adventure Club arranged its second in series hiking in the pulchritude of the Margalla Hills on Dec 8. A tally of 100 hikers from SEECs, SCEE, NBS and SCME including both the students and the faculty took the ardent Trail 5 up the hills. The course was a fierce test of endurance and stamina but the company of fellows and peers makes all the exercise worthwhile. The exhilarating hike on the winding trail up to Pir Sohawa was a memorable experience for everyone, watching the deep valleys of the hills with its picturesque thatched mud houses. Standing at the southern spur, off shooting from the main Margalla Hills, one gets the breathtaking panoramic view of Islamabad. It was a memorable sight for everyone. The participants were served food and refreshments arranged by the NUST Adventure Club when they reached the top, after which began the journey back to the starting point. The cold weather beautified the Margalla hills even more. Hiking trips are a regular feature of the NUST Adventure Club for the NUSTians.



Excursion trip with alumni

The ties between the alumni and the students are an important factor to be focused on. It is imperative that we work on establishing proper and long-lasting relations between our alumni and our present students. And it is in this spirit that a hiking trip and a picnic were held recently by NBS. Trail 5 was the destination for the recursion and it was on Dec 25 that the trip took place. A lot of alumni showed up along with their families along with a number of students from NBS. It was indeed a wonderful opportunity for the students to interact with the alumni, learn more about what they are doing and how they could help the students in doing what they want to do.



AM College wins three outstanding diplomatic awards at "LUMUN 2012"

Army Medical College participated in the Model United Nations conference, comprising nine delegates, as the representative of NUST medical community. Lahore University of Management Sciences was holding this mega event for the 9th time, with competitors and delegations gathered under one roof from all over the globe on Dec 25. As a remarkable achievement, 3 cadets from Army Medical College NUST clinched the awards for outstanding diplomatic contributions to their committees thus proving their mettle and compe-

tence as extraordinary debating by winning the awards in the midst of thousands of debaters from all over Pakistan. The cadets were Muhammad Hamza Jahangeer, Danyal Kamal and Yumna Waqar

The opening ceremony got underway and was addressed by Asma Jahangeer, a human right activist and also former president Supreme Court Bar Association with feisty words of wisdom. Hamid Mir (GEO TV) and Abid Tehami (Editor JANG news) was the guest of honor there.

The closing ceremony was held on Dec 28, in which Hina Rabbani Khar, Foreign Minister Islamic Republic of Pakistan was the guest of honor. She and Rector LUMS distributed the awards to the distinguished speakers who outwitted all, spoke the best, debated factually with verbosity and displayed the best diplomatic skills on the whole.

T-20 screening in ASAB

NUST BioReach Society, maintaining its tradition of education with entertainment, hosted the recent T-20 match screening on Dec 29 in ASAB auditorium. It was a charity event through which they managed to divert attention of students towards a noble cause that was fund raising for "Bakote"- a project aimed at constructing a school building in mountainous region of Bakote. Along with the screening, the students were invited to set up face painting stalls which added to the fervor of the audience. Students also delved in food and drinks by 'Capital Delights' stall arranged at the venue. Videos, action prompts and motiva-



tional songs were played during the match screening to encourage the audience towards taking our country forward in fields of education, health and sports. Information regarding the Polio Advocacy Campaign, by NUST BioReach Society, was also distributed.

The Game of Quadrones

NUST SEECs Center for Leadership (CFL) organized an electrifying event named 'The Game of Quadrones' in which 16 teams of 4 members each participated with a uniform aim to be crowned the champions of the game. SEECs CFL provides the students of SEECs with an essential platform to identify and groom the leadership abilities in them.

The game of Quadrones had four segments namely: Ice breaking, Peek a Boo, Dumb charades and Let's Talk. The 'ice breaking' segment witnessed the teams rushing out of the seminar hall, interacting with people and finding the answers of simple questions by communicating with other team members. In the next segment, Peek a Boo, each team had to guess three famous personalities or entrepreneurs by looking at their segmented photos. Initially the pictures were of some known personalities but then as the difficulty level increased, the teams had to put their thinking caps on to name the personalities.

All the teams enjoyed the next segment the most i.e. dumb charades. One of the team members had to act in a way that his team will guess the name of the movie which has been assigned to them out of the random collection of movies' names. To end the proceedings, 'Let's Talk' provided an opportunity for participants to battle the stage fear and hone their communication skills. One of the team members had to come on stage and talk on a topic assigned to him for 1 minute. "The Leaders" from BESE 3 won the game of quadrones and the "Aiween Team" from BESE 3 was the runner up.



"Tartuffe" Screening in SADA



School of Arts, Design and Architecture invited Tughral Turrab Ali and Safirullah Khan, members of the group "Theatre Walay" for the screening of Molière French play 'Tartuffe' on Dec 19 in SADA seminar hall. The play was based on a translation by Shaukat Niazi and directed by Tughral Turab Ali. Tughral is a management professional and is currently a regional sales manager for Institutions at Telenor apart from being a theatre and street performance artist.

Tartuffe was originally written by Molière in 1664 and is one of the most famous theatrical comedies of the time. In Tartuffe, a comedy in five acts, Molière relates the story of an attempt, by an irreclaimable hypocrite, to destroy the domestic happiness of a citizen who, charmed by his seeming piety, has received him as a prominent guest. In painting such a portrait, the character of Tartuffe is drawn with a strength and precision which few dramatists have equaled. The 52 minutes documentary caught the attention of all the participants who had a ball while watching the Urdu translated play which now seemed as if Molière wrote while roaming the streets of Lahore. Q&A session followed the screening in which Tughral explained the role of arts and theatre to depict the social issues prevailing in the society.

SADA clinches first and third positions in student design competition

The Rawalpindi/ Islamabad Chapter of the Institute of Architects, Pakistan (IAP) organized the students design competition 2012 in which ebullient students of architecture from renowned institutes such as NCA Rawalpindi, COMSATS Islamabad, CECOS Peshawar, SADA NUST Islamabad & UET Abbotabad participated. The 'Float Project' gave the students of architecture the opportunity to design a Float on Wheels that will be a public library accessible on the route that it chooses to take through Islamabad and aimed to animate the city of Islamabad with a design that engages the public and promotes learning. The jury comprised of eminent architects of the country including Syed Akeel Bilgrami, Shahid Khan, Shoaib Malik, Fauzia Asad Khan, Ibtesam Peerzada, Tahir Khattak and Usama bin Murad.

After much deliberation and cross-checking with the schedules, two teams from SADA participated to represent NUST in the competition. Both the teams burnt the candle at both ends to complete the site analysis, conceptual sketches, actual design drawings, scenario drawings, reports and a working model. The teams from SADA made NUST proud by grab-

bing the first and third positions. The team lead by Afsheen javed consisting of Haniya Javed and Sumayya Ahmed was de-



clared the worthy winners of the competition while the team comprising Ushna Khan, Tayyaba Nawaz and Faria Raza lead by Sara Shahid clinched third position. The award ceremony was organized on Dec 7 in the Islamabad Club where certificates and souvenirs were distributed to the participants and the winners.

Tree plantation drive at SMME

A tree plantation drive kicked off at SMME on Dec 16, with the school Principal, Dr.Abdul Ghafoor, planting a tree in SMME, which was donated by Mr. Ather Siddiqui (Member Board of Governors and Chairman Student Affairs at ASHRAE Northern Pakistan Chapter). Vice Principal SMME- Engr. Muhammad Sohail, President ASHRAE NUST-SMME Student Branch- Shahvaiz Masood along with other students were present at the occasion.



NUST Environment Club conducts Paper Making Workshop

In its renewed role as the society promoting environmental awareness and organizing events that support such ideals within the NUST community, the NUST Environment Club held a paper making and recycling workshop on Dec 28. NEC management and WWF-Pakistan consultants, including Dr. Anwaar Jahan, a renowned paper craft artist, demonstrated the method to make new sheets paper from the old discarded pieces. Dr.Jahan demonstrated her unique and interesting ways of preparing fresh paper pulp, previously introduced to the NUST students during the Eco-internship 2011 sessions where she had received a similar response from the audience. It involved the use of vegetable such as 'lady finger', while grinding the paper mesh in blenders, and how dipping the sieve at different angles in the pulpy water produced interesting designs of different



colors, which would dry out to become a single sheet of papers. The audience observed with keen interest and later took to perform the activity themselves. The workshop gave opportunity to the students to experience one of the easily practicable techniques of reducing paper waste and bringing it to good use.

Nustians participate in rock climbing competition

'We Can' is an operational organization in 14 countries around the world which fights for the rights of women. Each year, 'We Can' marks the celebrations of 16 Days of Activism by celebrating a number of events including Flash Mob, Issue based Theater plays, Shoe Memorial Ceremony to pay tribute to the efforts of women change makers around the world, colloquiums, awareness raising sessions in Universities across Pakistan, Junior Leaders Conference and Children Assemblies.

This year, a huge event of Rock Climbing specifically for female students from Universities and Colleges was arranged at the Jasmine Corner. Nearly a100 female students from 10 Universities participated in the Rock Climbing event, aimed at breaking stereotypes associated with women. The session was also at

tended by 10 female students of NBS and SADA representing the NUST Adventure Club.



Football and table tennis matches at SCME

A futsal match was organized on Dec 12 at SCME. A total of 8 teams participated, one from each class of the Chemical and Materials Engineering Batches. The Final Match saw Che-05 against Me-03 where Che-05 finally emerged as the winners. A table tennis tournament was also held at the School from Dec 19 to 26. Finalists were Ahsan Hayat from batch -2, Haseeb Hayat from batch-3, Hashir Altaf and Bilal from batch-5. Final match was held between Che05 and Che03, where Che03 emerged triumphant.

The audience to these matches composed of students and faculty of SCME who expressed their appreciation of promotion of extra-curricular activities by educational institutes.



International Mountain Day

An open sports climbing competition was held in connection with the International Mountain Day at the Ibex Club, Lake View Park on 9th-11th December in which climbers from NUST Adventure Club participated. The three-day competition featured boys and girls from different schools, colleges and universities as well as sports clubs from various cities. The participants included young climbers from various clubs and students from Roots School System, Beacon House School, City School, Froebel's International School, Fatima Jinnah Women University, National University of Science and Technology, International Islamic University and Quaid-i-Azam University. In a fierce competition, Anisa Rasheed from NUST took third position in the open female category.



Intervarsity Hockey Championship

Intervarsity Hockey (ZONE "C") competitions were held on Nov 29-30 2012. Preston University hosted the said competitions. The hockey team of AMC represented NUST in these competitions. Final match of the said competitions was played between Bahria University and National University of Sciences & Technology. NUST hockey team secured 2nd position and qualified for the final Round. Final round was held in Peshawar from Dec 4-7, 2012. NUST team faced defending champion Punjab University and lost the match 4-1.



NUST team grabs 1 silver and 2 bronze in Interschool Rifle Shooting Championship

All Pakistan Women's Interschool Rifle Shooting Championship 2012-13 was held at Gun & country Club, PSB Islamabad from Dec 4 to 7. NUST organized and hosted the said championship in which 09 women teams participated including teams from NUST, Punjab University, GCU Lahore, Comsats, SBB Women University Peshawar, Bahria, SZABIST Karachi and Islamic International University Islamabad. Managers and draws meeting of the championship were conducted under the Organizing

Secretary of the Championship Mrs. Robina Anser DD Sports NUST on Dec 4. NUST Women team got 1 Silver and 2 Bronze medal. Ms. Zainab Abbas got Silver medal in 10 M Air Rifle Individual event. 2 Bronze Medals in Team event 50M Rifle were won by team consisting of Ms. Zainab, Ms Syeda Asama, Ms. Rabia Anwar and Ms. Rabia Khurshid. Mrs. Robina Anser, Organizing Secretary of the Championship distributed prizes and medals to all winners.

All Pakistan Men's Interschool Rifle Shooting Championship 2012-13 was held at Gun & Country Club, PSB Islamabad from Dec 8-11, 2012 with collaboration of HEC in which 13 University teams participated. The NUST Rifle Shooting team is Comprised 6 players of NUST lead by Sheryar Shafique. NUST men's team got 4th Position in 10 M Sports Pistol events.

NBS Champions Trophy

Sports and Hiking Society at NUST Business School, in collaboration with Wajih Amjad organized the 'NBS Champions Trophy', a unique cricket tournament in which each member of NBS from faculty to staff members keenly participated. The clash between the six fine teams of NBS continued from Dec 20 to 24.

The teams included: 'Faculty Stars' consisting of teachers, MPHILL and PhD students of NBS lead by Dr Salim Batla, 'Staff Sixers' which consisted of staff of NBS lead by Asad Ali, 'MBA Thunder' formed by both MBA Batches and EMBA and lead by Khalid Zafar, 'BBA Heat' build up of all batches of BBA and lead by Haris Bin Saqib, 'Eco Strikers' comprising Ms and BSc economics students lead by Zohair Javed and 'MC & PA Scorcher' composed of all batches of Mass communication and Public Admin lead by Aqeel Ahsan. The nail-biting matches landed 'BBA Heat' and 'Faculty Stars' playing for third position in which 'BBA Heat' won the match. While MBA Thunder created history by defeating 'Staff sixers' by 114 runs to win the final match and were crowned the worthy champions of NBS cricket. Winner and Runners up were given trophies by DEAN NBS.



Special Olympics held at NBS

Special Olympics were held at NUST Business School on Dec 7 where students, with certain disabilities participated in a variety of sports events. Dr. Masrur A. Khan Head, Department of Mass Communication & Marketing expressed his profound appreciation to the energetic young sports men participating in Special Olympics. During concluding remarks he said, "the mission of special Olympics is to provide year-round sports training and athletic competition in a variety of Olympics-type sports for children and adults with intellectual disabilities, giving them continuing opportunities to develop the physical fitness, demonstrate courage, experience joy and participate in a sharing of gifts, skills, and friendship with their families, other Special Olympics athletes and the community".



06 Achievements

Students from SEECS win Global Multicore Challenge-2012

A Team from School of Electrical Engineering and Computer Science (SEECS), comprising 3 students namely, Syed Abdullah Shah, Jannat Faiz and Maham Farooq brought honor and pride to NUST by winning the Cavium University Program, Global Multicore Challenge 2012. The challenge received entries from all over the world among which the team from SEECS were declared winners of the 2012 challenge.

This contest was sponsored by Cavium, which is a provider of highly integrated semiconductor processors that enable intelligent networking, communications and other applications. The goals of the Cavium University Program is to help the University use Cavium's core technology and to provide the best educational experience possible. The 2012 challenge was to "Design the Highest performing Multicore Open Flow Controller". The winning team mentored by Dr. Syed Ali Khayam and Dr. Aamir Shafi received a prize of \$7500 from Naeem Zafar, Director, Cavium University Program.

Presentation of Research Paper in 4th Annual South Asian International Conference

The students of MBA namely, Muhammad Ali Abbas and Ali Raza Bashir, Mugees ur Rehman, Badar Muneer, Faizan Rasool, Abeer Khan, Ammarah Aftab and Mehmoona Naseer from NUST Business School (NBS) participated and presented their Research Paper in the 4th Annual South Asian International Conference held from Dec 5 to 7 at Pearl Continental, Bhurban. Prior to this, their research paper titled "Improving Service Quality through CRM to Enhance Customer Loyalty and Customer Satisfaction - A case of Airline Industry of Pakistan" was accepted at the Asia Pacific Conference held annually in Colombo, Sri Lanka and the Conference for International Engineering and Engineering Management, Hong Kong but the authors could not present the Research Paper outside the country due to unavoidable academic reasons.

Prime Minister awards Rs. 0.2 million to Aleena Waheed Qazi

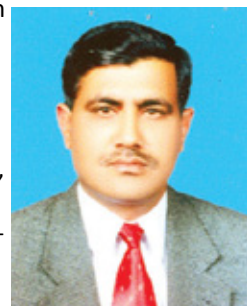
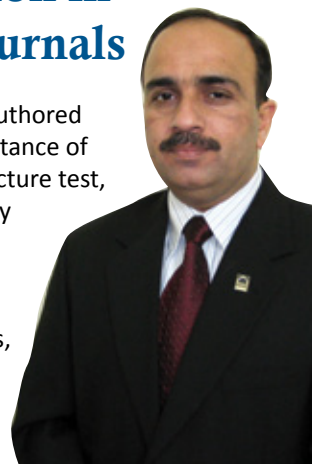
The Prime Minister of Pakistan, Raja Pervaiz Ashraf awarded Rs. 0.2 million to Aleena Waheed Qazi, a student of BS Eco-2k12 at NBS. She was invited to the Prime Minister's House, where Raja Pervaiz Ashraf commended her in person. Ms. Aleena Waheed Qazi topped the A Level Accounting exam in the entire world, with a score of 600 out of 600. This is not the first time she has proven herself. She scored the highest in Pakistan in Economics and Commerce in O level exams and Economics and Business Studies in both AS and A-2 levels.



Papers publication in international journals

Dr. Sarfraz Ahmed from MCE authored the paper titled "Cracking resistance of thin-bonded overlays using fracture test, numerical simulations and early field performance" published in the International Journal of Pavement Engineering. It was published by Taylor and Francis, which is a world-leading publisher of academic journals in England.

Likewise Dr. Muhammad Hanif, a Ph.D (Physics) from QAU, Islamabad, and post Doc (Physics) from University of Glasgow, is serving in NUST since 2002 (from 2002-2007 in College of E & ME and from 2008 to date in MCS). He is regularly publishing & presenting research work in international journals and conferences of well repute since his joining NUST. Recently (Dec 2012), he has published a research paper entitled "Laser Based Optical emission Studies of Barium Plasma" in Springer Journal of Applied Physics B: Lasers and optics (impact factor 2.189) with co-authors from National Center for Physics (NCP), QAU, Islamabad, Institute of Physics, University of Sindh and from (Jiaotong University, Beijing, China).



CAMP Professor gets membership of “Global Young Academy”

Dr. Mubasher Jamil, an Assistant Professor at Center for Advanced Mathematics and Physics (CAMP) at NUST, has been selected for membership in the “Global Young Academy (GYA); the voice of young scientists around the world”, based at Berlin, Germany.

The Global Young Academy aims to empower and mobilize leading young scientists to address issues of particular importance to early career scientists such as Early Scientific Careers, Science-Society Dialogue, Science-Education, and Interdisciplinary Research. Our 172 current members of GYA include leading young scientists from 54 countries and all continents. The GYA membership will expand to a maximum of 200 members, each serving four-year terms. The members are selected for the excellence of their science and their commitment to service.

Research paper presented at 3rd Annual Public Health Conference

Dr. Masrur A. Khan Head, Department of Mass Communication & Marketing presented a paper on “So Near Yet So Far: Influence of Spousal Communication on Marriage and Perceived Causes of Divorce” at 3rd Annual Public Health Conference (Cabinet Division) organized with the collaboration of USAID on Dec 3-4, 2012.



Dr. Abid Ali Khan named AIAA Associate Fellow

Dr. Abid Ali Khan, Professor and Head, Aerospace Engineering Department, College of Aeronautical Engineering (CAE), NUST, has been awarded with the esteemed Associate Fellowship of The American Institute of Aeronautics (AIAA). His

distinction has brought great pride to NUST. It provides Dr. Abid and NUST with global recognition among an exclusive group of professionals and institutions.

AIAA is the world's largest global technical society dedicated to the aerospace profession. The Associate Fellows of AIAA are selected in recognition of their significant and innovative research and long contributory career in field of Aerospace.

“In order to succeed, your desire for success should be greater than your fear of failure.” Bill Cosby



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