

MONTHLY

NUST News

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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 events so as to give them timely coverage.



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EDITORIAL TEAM



Editor
Faheem Khaliqdad



Graphics & Layout
Kareem Muhammad



Photography
Ghulam Rasul



Student Reporters: Taimoor Ahmad, Zainab Kainat, Muhammad Yahya



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Horizon 2020 Awareness Seminar



European Union's Islamabad Office and National University of Sciences and Technology jointly organized an awareness seminar on Horizon 2020, which is the biggest European Union research and innovation programme ever, for the faculty, scholars and industrialists from all over Pakistan at the main campus of the University on April 25. A few other Pakistani universities were also connected through video conferencing, while representatives of regional institutions travelled all the way to Islamabad for participation.

Sharing his views at the occasion, Federal Minister for Science and Technology Zahid Hamid fully endorsed the concept and objectives of Horizon 2020 Program.

The minister observed that the Horizon 2020 Program offered enhanced cooperation in the field of science and technology between Pakistan and the EU and improved access to knowledge-based international markets. If the

opportunities offered by the program were properly availed and a strong research and technological base established, it will have a beneficial and salutary effect on efforts to take advantage of opportunities offered by GSP+. This is the reason Horizon 2020 is being termed a 'bridge of science' between EU and Pakistan, the minister viewed. He further said that the relations between Pakistan and the EU had received a tremendous boost during the ongoing year as a result of the coming into force of special trade preferences for Pakistan under the GSP+ regime. In the science and technology sector, it has been proposed to formulate a holistic strategy focusing on rapid development of human resources and improved communication and coordination among the science and technology, information and communication technology and other sectors for socioeconomic development.

Pierre Mayaudon, Acting Ambassador

of the European Union, believed that the initiative would augur well for the close ties between the EU and the Pakistani community through research and innovation in the fields such as agriculture, energy, climate change, biotechnology and security. He maintained that the primary objective of the program was to promote 'from lab to market' processes.

Welcoming the guests to the awareness seminar, Rector NUST Engr Muhammad Asghar hoped that Horizon 2020 Program could enhance the integration of Pakistan in the world economy through a more diversified and high quality delivery of products and services as well as provide longer term benefits.

The seminar was also addressed by Chairman Higher Education Commission Dr. Mukhtar Ahmad and the EU's Regional Scientific Counselor Denis Dambois, who gave a detailed presentation on the modalities of the Horizon 2020 Programme.

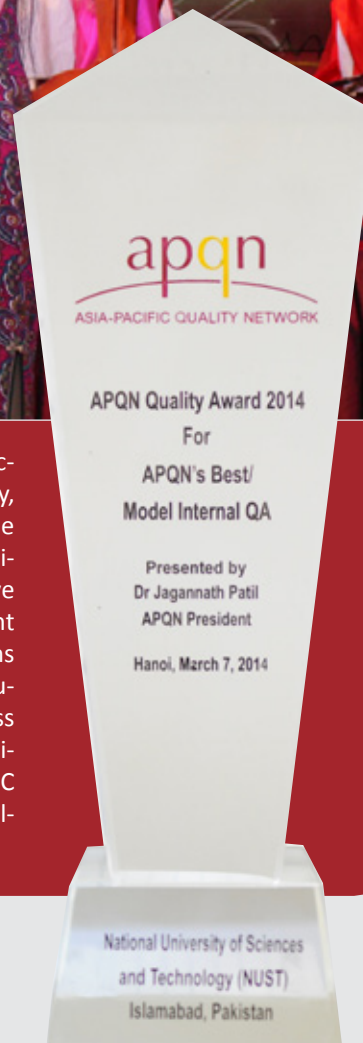
International Quality Award: a new feather in NUST's cap



Asia Pacific Quality Network (APQN), comprising quality assurance agencies of the entire Asia Pacific Region, has conferred APQN's Best / Model Internal Quality Assurance Award for 2014 upon National University of Sciences and Technology (NUST) during an impressive ceremony held at Hanoi, Vietnam on 7th March, 2014.

The award has been bestowed in recognition of the University's strict enforcement of quality assurance regime, induction of quality people, develop-

ment and implementation of best practices and application of technology, in all its activities, as specified by the Higher Education Commission of Pakistan. The University authorities have termed this meritorious achievement a fruit of the significant contributions made by the faculty, staff and the students of the university and relentless support provided by Ministry of Science and Technology (MoST) and HEC in developing and maintaining the culture of quality at NUST.



General Raheel inaugurates 'Sharif Block' at MCS



Chief of the Army Staff (COAS) General Raheel Sharif, HI (M) visited Military College of Signals (MCS) on 6th May, 2014. Upon his arrival at the College, COAS was received by College Commandant Major General Ali Farhan and other officials and faculty members. The MCS Commandant briefed the esteemed guest about the training facilities, faculty and students of the College. During his visit, COAS also unveiled the plaque of the newly constructed 'Sharif Block.' The block houses several teaching as well as research facilities of Department of Electrical Engineering, and the Department of Humanities and Basic Sciences. After inauguration of

'Sharif Block,' the honourable guest visited 'Signals Centre of Excellence.' He inaugurated the new building which is equipped with latest technologies and training facilities.

In an interactive session with the faculty and students, General Raheel praised the facilities and standard of training in the College. He encouraged students to devote their energies towards acquiring the required standards of education and training.

It is pertinent to mention here that the 'Sharif Block' has been named after Major Muhammad Sharif to honour his selfless and assiduous services to the Army in general and to Corps of Signals

in particular. Major Sharif being a pioneer Signals Officer in Pakistan Army served Corps of Signals from 1935 to 1967. Major Muhammad Sharif and his eldest son Major Shabbir Sharif both fought in 1965 Indo-Pak war. Major Shabbir Sharif earned 'Sitara-i-Jurat' in 1965 war and was conferred Nishan-i-Haider for embracing martyrdom in 1971 war. His second son Captain Mumtaz Sharif (Retired), also a courageous soldier, is a recipient of 'Sitara-i-Basalat.' The third son, General Raheel Sharif, HI (M) took over the command of Pakistan Army on 29th November, 2013.



Slice of Life denounces barbaric acid assaults

With a view to expressing solidarity with the victims of vicious acid assaults and giving hope to those who have been outcast by the society as a consequence, an event titled 'Slice of Life' was organized at the Bahria auditorium of Pakistan Navy Engineering College. During the course of event, the heinous acts of acid attacks were strictly denounced and emphasis was laid on strengthening the community in tackling such challenges and integrating the society for the common wellbeing. Mrs Mussarat Misbah, a renowned philanthropist, was chief guest at the occasion.



Groundbreaking of boys' hostel at PNEC



The groundbreaking of a NUST boys' hostel at Pakistan Navy Engineering College (PNEC) was held on 15 April 2014. The ceremony started with Tilawat from the Holy Qura'n, followed by the project briefing by Engr Syed Nasir Zaidi, Director Projects. Subsequently, Vice Admiral Khuwaja Ghazanfar Hussain HI (M), Commander Karachi broke ground and unveiled plaque of new hostel. Prominent among others present at the occasion were Pro Rector Engr Muhammad Shahid (P&R), Director Administration Arif Mahmud Siddiqui,

Director Academics Engr Zuhr Khan, Commandant PNEC Commodore Zahid Iqbal SI(M), and some other officials from NUST main office and Pakistan Navy. The new hostel is a ground plus three storey building comprising 112 rooms (bi-seater) for students with community washrooms, dining hall, TV room, gymnasium and other facilities. The overall project cost is Rs 163 Million and is scheduled to be completed by September 2015.

World Health Day – AM College

World Health Day was observed at Army Medical College on Monday, April 7. The theme of the World Health Day for this year, “small bite, big threat,” was illustrated through various videos and presentations. The material highlighted simple measures one can take to protect oneself. The students showed their passion and enthusiasm for the health promotion and education by organizing an interesting skit reflecting the theme of this year.

Guest speaker Muhammad Mukhtar, Senior Scientific Officer, Directorate of Malaria Control, shed light on the misconceptions regarding measures taken to control vector borne diseases. The results of the World Health Day Poster and Video Competitions were also announced with displays of the winning entries. The winning students were given certificates and cash prizes.

The event concluded with the chief guest, Maj General Abdul Khaliq Naveed, Dean Army Medical College, addressing the participants.



Science societies mull options for cooperation

Representatives from NUST Science Society were invited to 1st National Meeting of Science Societies jointly organized by Pakistan Council of Science and Technology (PCST), National Academy of Young Scientists (NAYS) and Tech TV. It was held on March 22 at PCST, Islamabad. The

objective of the meeting was to harmonize the efforts of all major science societies working in universities of Pakistan and give them national projection to propel a ‘science culture’ in the country.

It is the mark of an educated mind to be able to entertain a thought without accepting it. –Aristotle

CAE seizes All Pakistan DBFC title

All Pakistan Design, Build and Fly Contest (DBFC) is a national level competition, organized by GIKI student chapter of American Institute of Aeronautics and Astronautics (AIAA), in collaboration with STEM careers program. The event provides an opportunity to the students to get a hands-on experience while using their theoretical knowledge in aircraft design discipline. DBFC-9 was held in a category of electrical motor driven battery powered aircraft from 4 to 6 April, 2014.

A team from CAE comprising six students and a faculty advisor represented National University of Sciences and

Technology in the event and secured first position. CAE design report was declared the best amongst all the entries. It was followed by inspection, written test, and viva sessions by the panel of expert judges on 5 April, 2014. CAE team was declared the best in each of these categories as well. Flying contest was held on final day of the competition on 6 April, 2014. CAE-built aerial vehicle not only demonstrated the ability to perform all the manoeuvres in three loops as per specified missions, but also displayed very stable flight behaviour in high crosswinds. The stability and performance of CAE aerial

vehicle was appreciated by all the participants and judges. The final ceremony was held the same evening and CAE, NUST team was declared overall first. The team was awarded with winning shield, certificates and a cash prize of Rs 70,000.

CAE Aerial Design team had represented NUST in many competitions in the past as well and reached victory stands. Some of these competitions in last year include All Pakistan AirEx innovation challenge, and Future Flight Design Competition held in Turkey.



SEECs team secure first position at ACUMEN

Pak Caravan, a team from SEECs, has secured first position at ACUMEN-Plan 9 Social Entrepreneurship Challenge in Lahore. Initially, the team was short-listed among the 13 teams who were participating from all over Pakistan. Pak Caravan comprised four students from

BESE-2-A. The objective of the business plan was to educate the people of Pakistan about the importance of recycling by making use of technology. The team members included Haris Imran BESE-2A -214, Hafiz Usama BESE-2A -213, Muhammad Aamir BESE-2A -226 and

Hamza Naveed BESE-2A -215.

As part of this programme the team from SEECs has been inducted into their incubation programme for social entrepreneurship which would commence in summer break.

Convocation Ceremony at CAE

A graceful convocation ceremony of 76 Engineering Course of the College of Aeronautical Engineering was held at the Academy Auditorium of Pakistan Air Force Academy, Risalpur on March 26, 2014. The ceremony marked the graduation of 76 Engineering Course in the disciplines of Aerospace and Avionics Engineering. Rector NUST Engineer Muhammad Asghar graced the august occasion as chief guest.

In his welcome address, Commandant CAE, Air Cdre Abdul Munem Khan highlighted the multifaceted education being imparted at the College. He said that it was endeavoured to produce thorough professionals out of young students through providing congenial learning environment on the one hand, and conduct of co-curricular activities on the other.

Rector NUST Engineer Muhammad Asghar conferred degrees on the graduating students, and awarded Certificates of Merit and Medals to the distinction holders. Merit Certificate for the

Best Aerospace Vehicle Design was awarded to Hafiz Muhammad Umer who designed an Unmanned Aerial Vehicle (UAV) for reconnaissance and surveillance purposes. Merit Certificate for Best Avionics System Design was awarded to Ahsen Waleed Nazar who designed the Avionics Suite of a 'Next Generation Fighter Aircraft.'

Rector's Gold Medal for the Best Project in Aerospace and Avionics Engineering disciplines were awarded to Hassan Abbasi and Ahmed Hussain respectively. President's Gold Medal was awarded to Hafiz Muhammad Umer who earned an cumulative grade point average (CGPA) of 3.83 and Major Field grade point average (GPA) of 3.95. In the Avionics Engineering discipline, Ahmed Hussain was awarded the President's Gold Medal for his cumulative grade point average (CGPA) of 3.80 and Major Field grade point average of 3.93.

While addressing the students of 76th Engineering Course, the chief guest congratulated the graduating students and dis-



tion holders. He emphasized on the significance of quality education that NUST was providing to its students. He also made mention of the University achievements in professional and academic spheres, which had substantiated the University's ranking amongst the best universities on the national as well as the international scale.



Nustians gear up for world's biggest student motorsport competition



Engineering students from NUST are on track for the world's biggest student motorsport competition scheduled to be held at Silverstone UK, from 9-13 July. The competition – run by the Institution of Mechanical Engineers - is the world's largest student motorsport event and challenges student engineers to design, build and race a single seat racing car in one year.

Formula NUST Racing is the first ever venture by students in Pakistan into the highly advanced and technology intensive field of international motorsports, displaying the technological prowess of NUST students of Pakistan Navy Engineering College (PNEC) Karachi. Students of Pakistan Navy Engineering College (PNEC) showcased the Formula NUST Racing Car at National University of Sciences and Technology (NUST), Islamabad on 4th April 2014, in collaboration with Corporate Advisory Council (CAC) and SMME, NUST.

The event highlighted the praise worthy work of Formula NUST Racing team and importance of participation in such competitions. It also included an insight into the 2 years of Formula NUST Racing and display of 2013's Car. Federal Secretary for the Ministry of Science and Technology (MoST), Kamran Ali Qureshi was present at the event.

The real inspiration came from Engr. Dr M Akram Sheikh, who while addressing the participants, urged the youth to play a more proactive role to bring about a positive and constructive change in the country. Shahid Mahmood, CEO-Interactive Group of Companies and Amer Hashmi-Advisor NUST being the mentors of the Team, motivated the students through their speeches. Commodore Zahid Iqbal SI (M), Commandant Pakistan Navy Engineering College presented the project brief. Jahangir Khan, the legendary squash player also spoke about the ways to achieve excellence in any field and shared some of his success stories.



French Language Course culminates with award of certificates



A ceremony was held for the graduated class of French Language Course level 1 at the SEECS seminar hall on 15th April. Various stalls were sprawled outside the hall, so that any French culture enthusiast could be overjoyed by the French jewelry, French language books, guides about pursuing higher studies in France and tourism booklets.

Spread across the walls were posters translating the most elementary of French words into English e.g. Bonjour! (Welcome!).

The chief guest at the occasion was a diplomat from the Libyan Embassy Abbas S.M. Mezwhgi. After the introduction of the French language course to those in attendance, the current class of French Level 1 was called on stage, who had prepared a French nursery poem for the event. Later, Dr. Hamid Mukhtar and Dr. Ali Mustafa, faculty members at SEECS, shared their expe-

riences in France, where they pursued their higher studies.

Subsequently, the graduated French class took to the stage to create a more comic atmosphere. Ali Taqweem, Ali Faizan, Amna Shahab and Waleed Gondal came on to the stage as the cast of *Humsafar*, only this time all four of them played French versions of their Pakistani characters. On the projector screen a silent video of a scene from *Humsafar* was played while at the same time the seniors acted out the same in French.

It was now time for the prize distribution ceremony. Mr. Abbas was called onto the stage to award the students their certificates. One by one each student who successfully passed the French language course was called and awarded the certificates.

For the top three positions, Miss Somia Ashraf (the director of Langues Sans

Frontier, the organization which had arranged the French course) was called on the stage to award the certificates and prizes.

The third position was shared by Waleed Gondal and Ali Faizan. The second position was shared by Muhammad Oneeb Ul Haq Khan and Ali Taqweem. While Amna Shahab was declared first.

Dr. Ali Mustafa then came on to the stage a second time to congratulate all those who had graduated and told them to keep learning French, because it is a very rewarding language and that opens a lot of opportunities to those who speak it fluently.

Miss Somia Ashraf and Mr. Abbas were then awarded souvenirs for having attended this ceremony. On this note the event came to a close.

The Folker Flasse Archives

Folker Flasse, the head of Humanity Care Stiftung (Foundation) Germany presented his 1971 War Archives to the Associate Dean Dr Tughrul Yamin in a simple ceremony held on 29 April 2014.

As a young military officer, Flasse was the participant of the 1971 staff course in Quetta, which terminated prematurely due to the impending war. He was thereafter deployed as the Deputy Military Attaché in the German Embassy in Rawalpindi. He built an impressive archive of the events leading to the war and the situation that followed based on newspaper and magazine reports and other open source material. He has been recognised for his charitable activities by the governments of Pakistan and Germany and has been awarded Sitara-i-Imtiaz (Star of Excellence) and the Verdienst Kreuz (Services Cross) respectively. The documents that he handed over also include a Whitepaper issued by Government of Pakistan in August 1971 regarding the events in East Pakistan.



Mr. Flasse's Archives are now part of the CIPS library and a valuable source of research for scholars investigating the causes of the 1971 War

Street Carnival turns out to be quintessentially unique

The dawn of April 18 introduced a troubling dilemma for all members of NUST Fine Arts Club organizing the first ever NUST Street Carnival. Tuning out all fears of rain, the team immediately set to work, prepping the décor, and furnishing the entire tent, from the stage to the stalls. The hosts soon arrived and began working on their preparations. The meteorological conditions continued to show their disapproval for the carnival, but surprisingly, the post-Juma hours witnessed a significant decrease in precipitation, as the storm subsided. The moment the clouds cleared, students swamped the venue, bringing with them, an array of materials, befitting the nature of their stalls.

What happened next may be described as a hailstorm or frenzy, for as the entrance crowded, the liaison team came under heavy fire. The tent was soon populated, buzzing with excitement, chatter, and above all anticipation. Principal SADA graced the event with his presence and initiated it with theatrical symbol of initiation: by lighting a beacon.

The kick could not have been more perfect. The talent show immediately commenced. The stalls were fascinating, not only because of their unique adherence to the Venetian theme, but solely due to their diversity itself. From the more prominent ones such as Pappasallis, Subway and Cock n Bull, to the local stalls that incorporated tattoos, bakery, jewellery and what-not, the stalls gained a traction that was at par with the talent show they existed to compliment.

The talent show had an arsenal of performances, with multiple categories, each dominated by a specific theme, with the provision of filler events in between. The categories included Photography, 2D-Art-Sketching, 2D-Art-Painting, Singing, Performance Arts, Band Performances and Dancing. Although there were multiple performances that truly made the night their



own, all performances received sound appraisal from the audience.

The photographers abided by their theme by showcasing a spectacular array of shots. Contestants of the 2D-Art category immediately got to work, whereas singing initiated almost immediately, attracting a large portion of the audience to the front.

Be it beat-boxing coupled with Noori's music, Atif Aslam's scores, rapping or classical, the audience never wanted for diversity. Mixing it up with free-style football performances, dances and nunchuks only added to the cup. The filler performances were received graciously. The emulation of Michael Jackson by Jahanzeb Tariq was so top notch, that the judges rewarded him with a ceremonial bottle. Overall, it was a commendable effort by each per-

former, and each act usually garnered sufficient applause. The performances were compounded by the flute played by Salman Adil, one of the judges themselves. His symphonies are a prominent memory of the night. While the results were under compilation, the audience was granted an open challenge to perform on stage, which was accepted by a handsome number of individuals.

The judges soon compiled the scores, and shields were awarded to the winners of each respective category, which marked the conclusion of the carnival. The event concluded with the distribution of certificates to the organizing committee and a group photographs of the club members. The Fine Arts Club



managed to do the unthinkable, and in so doing, achieved something truly phenomenal.

NBF Readers Club Registration Drive

A memorandum of understanding (MoU) was signed by NUST and National book foundation in the year 2014. This MoU was then implemented by NUST Book Club. The MoU aimed to highlight the importance of books for a nation especially for its students.

With the combined efforts of Director Publishing NUST, Dr. Safdar Ali Shah and NBC President Muhammad Awaiz Munawar the book club signed a deal with National Book Foundation for providing 50% discount on books for the registered members. The Marketing Department made people aware of it, via social media as well as by personal contact. Soon enough registration desks were held both in C1, C2 which gave information as well as provided registration services. Also each campus of NUST had an ambassador of NUST BOOK CLUB who guided the people

regarding this registration. Not only students but the teachers were also thrilled at the idea of 50% discount. Thus a lot of people registered themselves. As a result of which the NBF team came to NUST and in C1, many people received their discount cards. A van library also came to NUST which

contained all the books having the 50% discount. People were thrilled. They responded in a great manner. The initiative was a great success and it played a direct role in achievement of NUST Book Club's aim, which is 'books in every hand, in every heart.'



NUST, NDSU sign MoU



A Memorandum of Understanding was signed between National University of Sciences and Technology (NUST), Pakistan and North Dakota State University (NDSU), USA on May 09, 2013. A two-member delegation from NDSU headed by Dean NDSU Dr. Smith visited the University. The delegation met with Rector NUST Engineer Muhammad Asghar where the guests were given a brief presentation regarding the vision with which the universities was established and its mission. In the meeting

the delegates were briefed about the academic and research achievements of NUST.

The purpose of the MoU is to define areas of collaborations both at undergraduate and postgraduate levels, professional training, joint research and other academic pursuits in which the two universities desire to work for the mutual benefit. The MoU describes an intention to share each other's initiatives, expertise and working procedures and support the researches of

the two universities to promote research in their fields of interest.

The delegation also visited NUST School of Electrical Engineering and Computer Science (SEECS), School of Mechanical and Manufacturing Engineering (SMME) and Centre for Energy Systems. Dr. Smith thanked NUST officials for welcoming them and expressed that relationship between NUST and NDSU would continue to develop further.

NUST, UNSW strike agreement



University of New South Wales (UNSW), Australia and National University of Science and Technology (NUST), Pakistan signed a memorandum of understanding (MoU) on 08 May, 2014 at NUST Central Campus Islamabad. The MoU is aimed at establishing the cooperation between the two universities in the areas of cooperative research, staff and student exchange, exchange of academic materials etc. The memorandum was signed by Prof. Mark Hoffman, Pro-Vice Chancellor (Research), UNSW and Dr. Asif Raza, Pro Rector (Academic), NUST. The MoU signing ceremony was also attended by His Excellency Peter Heyward the Australian High Commissioner in Pakistan, Christopher McKenna, Director International Affairs UNSW, Director Quality Assurance NUST, Director

NUST International Office, Principal School of Electrical Engineering and Computer Sciences (SEECs), Tahir Mahmood, Regional Business Development Manager, Australian Trade Commission and others.

UNSW delegation also attended a briefing on NUST which was followed by an extended Q&A session. Both sides discussed the ways and means to extend the already existing cooperation between the two universities in the areas identified in the fields specified in the memorandum. Later, the delegation visited SEECs, School of Mechanical and Manufacturing Engineering and Technology Incubation Center (TIC).

ASCE- International Student Group's NUST chapter set up



ASCE NUST International Student Group (ISG) was officially inaugurated at the University on 18th April 2014. The ASCE NUST ISG has already undergone supervision and support of ASCE section Pakistan since December 2013 under provisional executive committee. However, an introductory symposium was organized by the provisional executive committee of the ASCE NUST ISG under the supervision of faculty advisor Dr. Wasim Khaliq at the SCEE seminar hall. The provisional

executive committee was ordained as permanent executive committee at the start of the symposium.

In his address to NUST students, Dr. Wasim Khaliq, faculty advisor ASCE NUST ISG talked about the technical knowledge that ASCE integrated within the civil engineering field. He also covered different aspects of ASCE NUST ISG and the benefits it would accrue to the students.

NEWS IN PICTURE



▲ Abdul Malik Baloch, Chief Minister of Baluchistan visited PNEC, NUST on April 13, 2014. Rear Admiral Syed Arifullah Hussaini SI(M), T Bt and Rear Admiral Ather Mukhtar SI(M), DGMAS were also present at the occasion.



▲ Squash legend Jahangir Khan visited Pakistan Navy Engineering College, NUST on April 16, 2014.



▲ A delegation comprising 40 students and faculty members of the Department of Strategic and Nuclear Studies (SNS), NDU visited CIPS on 24 Apr 2014.



▲ NUST Institute of Civil Engineering students of UG CE-2013 took a study tour of Fazal Steel (Pvt) Ltd on 16 April 2014.



PNEC Auto Show 2014 was organised on April 13 to raise funds for famine-affected people of Thar.





▲ A workshop on 'First Aid and CPR' was arranged by students of PNEC, NUST on 10th-17th April 2014.



▲ The project of PNEC students titled 'Design of Solar Chimney' was declared first at THERMOCON'14, held from March 28 to 30 at GIKI.



▲ Fulbright and IAESTE Internships Information Session was held on April 18 at Jauhar Auditorium of PNEC.



▲ Inter Divisional Declamation Competition was held on 04 April 2014 at the PNS Jauhar auditorium.



▲ A debate competition was held at Textile Institute of Pakistan. Pakistan Navy Engineering College team won all the three rounds in the competition.



▲ ASHRAE PNEC Student Branch (APSB) organized Green Competition on 19 April 2014 at the PNEC auditorium. A total of 16 teams participated in the competition held in two categories; Green Building Competition and Green Innovation Competition. Lecture by Mr. Asad Umer, Movie Time, Cricket Match and Basant Festival and DJ Night were held the next day.



◀ A team from CIPS carried out in-situ training evaluation from 14 to 25 Apr 2014. The practical training was conducted in the training areas of unit earmarked for peacekeeping duties.

International Seminar: E-Waste Management: A Problem or an Opportunity?



Due to rapid growth in usage of electrical and electronic equipments in modern life style, e-waste management is being considered as a fast growing global issue. Cheap labor and lenient rules/regulations are the main factors causing increased flooding of e-waste in Asian countries and Pakistan is one of the most vulnerable countries among this list. This dumping of electronic waste has become a critical environmental as well as human health issue in Pakistan. More recently, e-waste recycling is emerging as a cottage industry. One of the challenges in this industry is that people involved with recycling are not trained nor prepared to handle the recycling process, hence causing additional damage to the environment. In a recent study by IESE, NUST, Karachi, Lahore, Peshawar, Faisalabad and Rawalpindi were identified as major hubs of e-waste in Pakistan. In addition to these cities, breaking/dismantling

activity is also being carried out in Kamonke and Gujranwala cities near Lahore. The survey results showed that the recycling system includes people using open plots and big houses in congested areas/communities to break down, segregate and by burning/heating of various components of computers, printers, screens and power supply units etc. Keeping in view the dire nature of this issue, NUST Pakistan, in partnership with Griffith University Australia, is embarking upon an international research project on E-Waste Management in Pakistan. To break ground for this initiative, NUST organized a one-day seminar in collaboration with Griffith University on Wednesday 23rd April 2014 at 11:30 to 1300 Hrs at SEECS seminar Hall.

The seminar started with a talk on E-waste: "a problem or an opportunity" by Prof. Dr. Anwar Baig, IESE. Later, various related topics were discussed

including: review of issues, challenges and solutions for e-waste in Pakistan by Mr. Sajid, Mr. Mustafa, Mr. Tanvir and Prof. Dr. Arshad Ali. Mr. Peter Woods, Ms. Arfa Noor, and Dr. Sunil Heart of Griffith Business School also shared their valuable experience. The talk was attended by students and faculty from Institute of Environmental Sciences and Engineering, NICE, School of Electrical Engineering and Computer Science, and representatives of PITB, UNIDO, UNDP, Capital Development Authority, Ministry of Climate Change and NGOs. At the end, certificates were distributed among the participants.

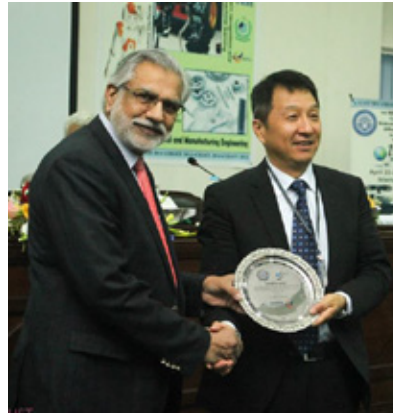
At the end of talk, both organizations agreed on the way forward to start such activity in NUST. As a next step, Griffith University invited one faculty member and MS student from NUST IESE, engaged in the E-waste, for a visit to Australia to learn more about the E-waste program.

International Conference on Robotics and Emerging Allied Technologies in Engineering-iCREATE 2014

First International Conference on Robotics and Emerging Allied Technologies in Engineering (iCREATE) was held from April 22 – 24, 2014 at National University of Sciences and Technology (NUST), School of Mechanical and Manufacturing Engineering (SMME). iCREATE 2014 brought together an international community of experts to discuss the state-of-the-art, new research results, perspectives of future developments, and innovative applications relevant to robotics and the emerging advancements in its allied disciplines.

iCREATE 2014 conference witnessed the presentation of some very high quality research papers describing original work on the following topics, but not limited to: Autonomous Systems, Assistive Robotics, Humanoids, Mobile Robots, Aerial Robotics, Control Systems, Machine Vision, Robotic Manipulation, Space Robotics, Flexible Robotics, Actuators, Automation, Automotive Systems, Biomedical Engineering, Computer Aided Design and Machining, Computational Fluid Dynamics, Data Storage Systems, Electronic Packaging, Fault Diagnosis, Human-Machine Interfaces, Industry Applications, Information Technology, Intelligent Systems, Machine Vision, Manufacturing, Mechatronic Systems, Micro-Electro-Mechanical Systems, Micro/Nano Technology, Modeling and Design, Motion Vibration and Noise Control, Neural and Fuzzy Control, Opto-Electronic Systems, Prototyping, Real-Time and Hardware-in-the-Loop Simulation, Sensors, System Integration, Simulation and Modeling, Transportation Systems, Smart Materials and Structures, Energy Harvesting and other related areas.

Keynote speakers flew in from all over the world to present their researches at the esteemed platform. Doctors and professors from Korea, China, USA, Spain, Greece and UK spell bounded the audience with their breakthrough researches in the field of engineering. At the opening ceremony, Rector NUST Engr Muhammad Asghar stressed on the fact that how robotics was going to



play a major part in shaping our future. Dr Yasir Ayaz, the conference General Chair added that Pakistan is in line with the latest practices and researches in this field and iCREATE 2014 is only the first of its kind, with many such conferences still to come. The conference lasted three days in which students and professionals alike presented their papers in front of an audience comprising of professionals from diverse fields of engineering making it all the more difficult for the speakers. Lunch and tea breaks served as useful networking sessions and the students interacted with their favorite presenters to know more about their efforts.

Mr Sher Ali Khan, Provincial Minister for Mines and Minerals, attended the closing ceremony as the chief guest. He lauded the efforts of SMME in organizing iCREATE 14. He added that although Pakistan faces a shortfall of power, a bright future is nearer than we think. At the end, Pro Rector NUST, Dr Asif Raza, presented a memento to the chief guest and escorted him for refreshments.



10th Annual Symposium – AM College



Amcolian Alumini Association (AAA) and Amcolian Undergraduate Research Foundation (AURF) hosted the 10th Annual Symposium, which also marked 10 years of professional collaboration within AM College. It was chaired by Surgeon General, LT General Azhar Rashid HI(M). Symposium 2014 attracted an array of attendees including 8th batch graduates and more than 300 students.

The robust scientific program consisted of 13 oral and 17 poster presentations of MBBS chapter while the dentistry chapter had presentations for oral, poster, table clinic and case presentation. An emphasis on evidence-based scientific research was integrated with practical protocols through AAA's and AURF's efforts. By all standards, the 10th annual Symposium, organized by AURF and AAA, was a success.

A new step taken by the first lady president Quratulain Zamir in the history of AURF, was to organize a 5 days conference, "1st Amcolians Multidisciplinary Research Conference 2014," for the students which on whole comprised of the 10th Annual symposium at AMC and AFID and three workshops for students on clinical audit, research methodologies and learning methodologies. An international guest speaker Whitney from university AMSECOL, Cali, Colombia, was invited to bring students one step further in the research field. Clinical audit one day workshop con-

ducted by Col. Dr Ambreen Anwar provided a grounding in clinical audit methodology for students. As requirements for revalidation and in the current budget cutting climate, clinical audit and quality improvement initiatives have never been more important. This very practical course took attendees through all stages of the audit cycle, offering both theory and practical advice to make their quality improvement work robust and successful.

Second workshop was on research methodology was conducted by MAJ. Fawad Mashadi. To achieve its purpose, the Research Workshop was designed to be an interactive course.

This whole process ensured that the students were extensively involved in the critical thought process that prevails in the field of research. After that, the students were expected to actively engage in their projects, whether they opted for basic or clinical research.

Workshop on learning methodologies was conducted by Col Khadija Qamar and Brig. Rizwan Hashim. As expected the students were enthusiastic about new approaches to learning, and keen to discover new methods they could use in the varied fields they were engaged in and they were also interested in some of the theories that underpin those methods.



National Symposium on Micro, Nano Technologies (MNT) and Control of Systems on Networks (CoSoN)

Research and development activities play pivotal role in an educational institute. In order to strengthen R&D at NUST Pakistan Navy Engineering College (PNEC), efforts are in hand to collaborate with national and international organizations. With this backdrop, a symposium titled 'National Symposium on MNT and CoSoN -2014' was arranged at PNEC. The symposium was held on 11th April 2014 in three sessions. During the first session, MoU was signed between PNEC and National Institute of Laser and Optonics (NILOP) delegation

headed by Mr. Amjad Pervaz for utilizing research opportunities available at NILOP. Second and third sessions comprised of workshops on Micro & Nano-Technologies (MNT) and Control of Systems on Networks (CoSoN). Renowned speakers and experts from SEECs, EME, KU and NED University presented talks. IEEE-PNEC student society conducted the event and arranged sessions for students. A circuit design competitions and tech talks were also held. Closing ceremony was graced by Rear Admiral Syed Imdad Imam Jaffri SI(M).



NUST Book Club arranges Peace Conference at Pak-China Friendship Centre Islamabad



NUST Book Club organised Peace Conference at Pak-China Friendship Centre Islamabad. The conference aimed to highlight the significance and role of books for the promotion of peace and harmony in the society.

The conference comprised speeches by students and addresses by NUST faculty members. The seminar started with a video made by NBC. It contained

the views of NUST students who made a promise that they would strive to bring peace in their country. The video was dearly appreciated by the crowd through their constant applause.

Later, Dr. Safdar Ali Shah, Director NUST Publishing, delivered a thought-provoking speech on the subject. He talked about the sad fact that not many Pakistanis knew about the peacekeep-

ing missions of their own army and thus the sacrifices of Pakistan Army were lost in the papers of the history. This was followed by the address of Dr. Tughral Yamin. The event ended with the address of the chief guest, Sardar Javed Ayub, Minister for Forestry and Wildlife, AJK. He made a special prayer for the restoration of peace in Pakistan and the Muslim world.

Workshop on Hydro Meteorological Modeling and Simulation using GIS and RS Technologies



After the success of the first workshop held on February 2014, a second workshop was organized by IGIS, on 'Hydro Meteorological Modeling and Simulation using GIS and RS Technologies', held on 23rd April, 2014 in RIMMS Seminar Hall. Dr. Arshad Muhammad Khan, Executive Director of Global Climate Change Impact Studies Center (GCISC), National Center for Physics, Islamabad graced the event as chief guest. The objective of this workshop was to build the capacity of the students, faculty, and professionals from stake-holder agencies in flood disaster risk mitigation through a series of lectures on hydrological sciences and through the use of satellite remote sensing data in understanding the hydrological behavior of watersheds. This workshop provided a forum for professionals and researchers from diverse backgrounds of agriculture, climate change, economics, meteorology, and water resources to interlink and discuss recent advances in their respective disciplines and provide opportunity to the young students to learn from professional deliberations.

The workshop was conducted and chaired by Professor Dr. Muhammad Umar Khan Khattak, Head of Department at IGIS, SCEE, whose research interests broadly span the areas of GIS and Remote Sensing applications in water science, glaciers, ecosystems, natural hazard and disaster management, climate change, geomorphological

studies, and earth sciences. The event concluded with closing remarks by Dr. Tariq Mehmood, Principal SCEE and distribution of shields and certificates to the chief guest, guest speakers and organizers.



studies, and earth sciences. The event concluded with closing remarks by Dr. Tariq Mehmood, Principal SCEE and distribution of shields and certificates to the chief guest, guest speakers and organizers.

Performance Appraisal Seminars - RCMS

To enhance overall performance of curricular, co-curricular, extra-curricular and administrative tasks, Research Centre for Modelling and Simulation RCMS has adopted a mirror image of all concerned directorates of main office by introducing various secondary appointments. Each faculty member

at RCMS is assigned with at least one secondary duty to exclusively communicate with the corresponding directorate at the main office.

Similarly, NG staff is also assigned specific duties to facilitate the faculty members in carrying out their secondary assignments. In order to assess

contributions by all faculty members and staff in their respective areas of responsibilities, a performance appraisal seminar was conducted in the month of April 2014, spread over three sessions and chaired by Principal RCMS.



Role of SUPARCO in Pakistan's Development - Lecture

NUST Institute of Civil Engineering (NICE) organized a lecture on 'Role of SUPARCO in Pakistan's Development' on 16th April 2014. Faculty members and civil engineering students of UG CE-2010 and UG CE-2012 attended the event. The guest speaker at the event was Maj General (R) Ahmed Bilal, Chairman SUPARCO.

Maj Gen (R) Ahmed Bilal commenced his lecture by a brief introduction of SUPARCO. He said Pakistan's Space and Upper Atmosphere Research Commission (SUPARCO) was established in 1961, and started functioning in 1964. As a national organization with a high degree of autonomy, it implements the space policy established by the Space Research Council (SRC). SUPARCO's programs include the development and

launch of sounding rockets, and satellite applications in the field of remote sensing and communications.

Pakistan has undertaken a number of steps for consolidating and focusing its space programme in response to national priorities. The satellite ground station for reception of NOAA, Landsat and SPOT data was upgraded in the late 1990s. A national GIS Committee was constituted to bring about GIS standardization. Work on the development of Badr-B multi-mission satellite is well advanced. A Space Applications Research Centre has been commissioned at Lahore, and the Aerospace Institute, under SUPARCO, has started training and education of space application experts.

SUPARCO played a significant role in disaster relief after Pakistan's enormous flood in 2010, also SUPARCO working on agricultural development of Pakistan by inducing different techniques using remote sensing.



Lecture on Hydropower Potential in Pakistan

Reform of the power sector through restructuring is high on the agenda of the Government of Pakistan. To acquaint the NUST Institute of Civil Engineering students of the hydropower potential of Pakistan, a seminar was organized for undergraduate and postgraduate students.

Mr. Munawar Iqbal, in his lecture, titled, Development of Hydropower Generation in Pakistan - Current Scenario gave the knowledge of the specific provisions for Hydel-power projects, feasibility studies and hydrological risk involved in such projects, public-private partnership. He also gave an overview of power generation expansion plan in Pakistan. He discussed about other energy resources like coal, gas and nuclear, and their role in reducing the energy crisis. Salient features of his presentation were Private Power Policies in Pakistan, Introduction about Pakistan power sector, new commissioned hydropower projects, Salient features of different hydropower Power Projects in Pakistan and Hydropower Resources in Pakistan.



Conflict Management Workshop

Two sessions of 'Conflict Management' were conducted by C³A in collaboration with the HR Directorate on April 21. The focus was to help develop strategies to resolve workplace conflicts and to bring harmony within teams. The first group was planned for senior staff and teaching faculty and the second was designed for the NG staff. It was an interactive session and the participants were encouraged to share their personal experiences for better learning and to internalize.

The sessions emphasized on conflict types, causes and defining the value of conflict; if taken positively. Conflict resolution strategies and skills to minimize and manage conflicts were highlighted. Techniques to handle conflicts with seniors, colleagues and juniors were accentuated for team building and creating coherence at workplace.

The workshop was received well by the participants, especially the NG staff. C³A received very encouraging feedback.



Self-development Workshop

Women are an integral part of any society and play a pivotal role. Identifying that NUST women need exclusive attention, C³A has been conducting a 'Self-development Workshop' for them. This is another first from C³A and is being received well by all participants.

The workshop is based on 10 weekly sessions and has an interactive format; focusing on self-analysis. The topics include communication skills, understanding behavior patterns, anger management and handling criticism.

The workshop receives encouraging feedback from participants for each session.



EME faculty awarded best paper award at International Conference

Dr. Umar Shahbaz Khan, a faculty member at College of Electrical and Mechanical Engineering NUST presented his paper at "2nd International Conference on Latest trends in Electronics and Electrical Engineering", on 11-12 January 2014 at Pattaya, Thailand. The paper was titled "Evolution of Myo Electric circuitry development in Pakistan". It presented an overview of latest myo electric research being carried out in the country in general and by NUST, College of EME Mechatronics department in particular. The work was very much appreciated by all participants, organizers and keynote speakers. The paper was awarded best paper award.



Dr. Mohamed Moustafa Mahmoud from MILE

Dr. Mohamed Moustafa Mahmoud from Madinah Institute for Leadership and Entrepreneurship (MILE) visited NUST on 29th April, 2014. Upon arrival, the delegate called on Rector NUST Engr Muhammad Asghar and discussed matters related to possible cooperation between NUST and MILE. The guest also met with Pro-Rector (Academics) NUST, Dr. Asif Raza and discussed ways

and means to work jointly for the promotion of management and leadership training for the professionals of Islamic countries. Dr. Mahmoud was briefed about establishment, institutions, programs and future plans of NUST. He also visited NUST Business School (NBS) and Technology Incubation Center (TIC) where he was briefed about the functioning of the School and the Centre.

Dr. Mahmoud appreciated NUST's Infrastructure and facilities provided for its faculty and students to ensure quality teaching, learning and research. He expressed his strong desire to establish formal collaboration between NUST and MILE and enumerated different avenues of collaboration.



Delegation from Command and Staff College, Quetta



A 73-member delegation from Command and Staff College, Quetta including faculty members and student/officers visited NUST on 23rd April, 2014. Upon arrival the delegation was briefed about establishment, institutions, programs, research initiatives, industrial and institutional linkages and future plans of NUST followed by an extensive Q & A ses-

sion with Rector NUST, Engr Muhammad Asghar. The visiting delegates appreciated NUST's Infrastructure and facilities provided for its faculty and students to ensure quality teaching, learning and research. Later, the delegates were given a guided tour of the University.

FSA delegation

A 17-member delegation, comprising diplomats of 15 countries, from Foreign Services Academy (FSA), Ministry of Foreign Affairs, Islamabad visited NUST on 10th April, 2014. The delegation was led by Director Programme FSA, Dr. Faisal

Aziz Ahmed. After a detailed briefing on NUST followed by a question and answer session, the delegation appreciated NUST for undergoing a fast-paced development.

Later, the delegates were conducted to different facilities at the main campus, including NUST Business School (NBS) and NUST School of Electrical Engineering and Computer Science (SEECs).



Delegate from Beihang University, China

Professor Tianmiao Wang from Beihang University, China visited NUST on 23rd April, 2014. Upon arrival, the delegate met the Pro-Rector NUST, Dr. Asif Raza and other senior management of the university including Engr Muhammad Ismail, Director QA, Dr Abdul Ghafoor, Principal SMME and Syed Mohsan Shah, Director NIO. During the meeting, Prof Tianmiao screened a video film, showing his research projects on robotics. He apprised Pro-Rector (Acad) of various ways of collaboration in his projects and areas of academic interests between Beihang University and NUST. The visiting delegate showed keen interest in developing strong linkages with NUST and engaging in joint research projects, curriculum development, resource sharing etc.



Professor Tianmiao Wang appreciated NUST's Infrastructure and facilities provided for its faculty and students to ensure quality teaching, learning and research.

IDB delegation - RCMS

A delegation from Islamic Development Bank (IDB) led by Abdullah Mohammed Kiliaki visited RCMS on 29th of April 2014. The delegation visited various labs and other research facilities at RCMS, mostly containing software/hardware funded by IDB. Principal RCMS, Dr. Ahmed EjazNadeem briefed the guests about RCMS in general and all research/teaching labs in particular. A detailed briefing about the Supercomputing Research Facility was also given at the end. The delegation appreciated the optimum utilization of the computational resources funded by IDB in 2007-08 to support MS and PhD programs at RCMS.



Russian Navy officials at PNEC

A Russian Navy delegation visited Pakistan Navy Engineering College, NUST on 21 April 2014. The delegates took interest in academic activities of PNEC and were shown different facilities of the institution including Library.



NCEPU delegation

A two-member delegation from North China Electric Power University (NCEPU), China visited NUST on 23 April, 2014. The delegation included Duan Chunming, Acting Dean of International Education Institute and Chai Dapeng, Deputy Director Industry Relations Office. Upon arrival, briefing was given to the delegation about the institutions, programs, research initiatives and future plans of NUST. The delegates in their remarks greatly admired the NUST teaching and research programmes along with infrastructure and facilities provided for its faculty and students. The meeting was chaired by Pr-Rector (Academics) NUST, Dr Asif Raza and attended by Dir QA, Dir Post



Graduate Programmes, Dir Academics and Registrar, NUST.

The delegates also visited NUST School of Electrical Engineering & Computer Science (SEECs), NUST School of mechanical and Manufacturing Engineer-

ing (SMME), School of Chemical and materials Engineering (SCME) and NUST Technology Incubation Center (TIC) where they were guided to various laboratories and other facilities.

Renowned puppeteer interacts with students

NUST was honored to host a talk with the great puppeteer and artist Farooq Qaiser, the man behind the iconic characters i.e., Uncle Sargham and Maasi Museebtay. The event took place in the auditorium of ASAB and was organized by the NUST Literary Circle (NLC) in collaboration with Cheekh – Speak up.

The event started off with the recitation from the Holy Qura'n followed by a short introduction of the artist by himself. Qaiser recalled his early years of education and the reasons that prompted him to find his profession in the art of puppetry. After graduating in Fine Arts from NCA, he went on to Romania for further studies and got trained in the art of puppetry. After his return to Pakistan, he began the television show *Kaliyan* with his now-legendary character- Uncle Sargham. This particular character was, in fact, created as a tribute to his teacher from Romania. The show *Kaliyan* started in 1976 and was aired for almost 40 straight years. Qaiser took questions, leading to more short stories about the origins of other characters of his shows like Maasi Museebtay and Haiga, among others. He laid great emphasis on the importance of education and how arts could help



in the process of learning. He said that science and art cannot be separated. Art is all about aesthetics and creativity and being a human, everyone admires beauty and arts in all its forms and manifestations. Due to his skill and experience, Qaiser was selected by the UNO to teach the art of puppetry in India for two years. He has recently received the Lifetime Achievement Award which is a great honor for an artist.

After an episode of *Siyaasi Kaliyaan* was shown, Qaiser was asked why he abstained from political comments in most of his shows. He replied that while political satire is enjoyable, it leads to no learning for the individual

and also causes no effect on the politicians. Hence, he tried to abstain from political shows. Qaiser has also been teaching for some time at the Fatima Jinnah University and was delighted to see the youth taking so much interest in culture and heritage. He also congratulated the NLC and Cheekh – Speak up for organizing the event.

The talk ended with Director Publishing Dr Safdar Ali Shah thanking Qaiser for coming and making the afternoon memorable. He then presented the artist with a Shield of NUST and hence the talk with the genius behind Uncle Sargham ended.



Evening with Zia Mohyuddin

NUST Literary Circle (NLC) and Cheekh - Speak up hosted the Twin City Bilingual Elocution competition held on the 27th and 28th of April and an evening dedicated to commemorate the great Zia Mohyuddin, who was also a judge at the Elocution competition. The event, titled 'Aik Shaam Zia Mohyuddin Ke Naam' was held on the evening of 28th of April.

The firstever Twin City Bilingual Elocution Competition consisted of three rounds. For both the Urdu and English segments, the prose round was termed as the Mazmoon round, the poetry round was called the Manzoon round and the last round was a surprise round that was aptly named Mairaj, that is, perfection.

Throughout the competition, nervous yet thoroughly prepared orators were seen practicing their pitch, pronunciation and tone. However, only a few could go on to the last round of Mairaj where Zia Mohyuddin was the final judge. The judges for the first day were Zahra Belal, HumaMaqsood and Amna Bashir for English, AbidaTaqi and Dr. HabibNasir for Urdu.

On 28 April, the final round of the elocution was held where winners of the competition were announced. In the evening of the same day, the NUST Literary Circle held one of its flagship events of the semester "AikShaam Zia Mohyuddin KeNaam", a literary reconnaissance with the legend, Zia Mohyuddin himself. Zia Mohyuddin is a man with a broad spectrum of abilities &

achievements, his long career spans acting, directing, writing, broadcasting and a wide range of aesthetic disciplines. So it is safe to say that the NUST student body was quite excited at the chance to see Mr. Mohyuddin live.

The event was held at the SCEE Auditorium and once everyone was seated, Zia Mohyuddin entered the hall, accompanied by Rector NUST. After a recitation from the Holy Qura'n, the event formally began, with Zia Mohyuddin starting his address. A critic rightfully notes: "His voice, it must be mentioned, is worth a profile by itself: a cross between dark brown velvet and gravel moving gently in honey." This description is very apt and the audience was enthralled by not only the message Mr. Mohyuddin was delivering but the delivery itself left nothing more to be desired.

The chief focus of the talk was on the role of Urdu as our national language and how as a language it was being damaged due to a variety of reasons. Zia Mohyuddin used personal anecdotes, cases from history as well as basic logic to explain to the audience just how severe the problem was and that it needed to be countered.

After a riveting one hour talk, the speaker



gave way to a question and answer session, with several thought provoking inquiries being set forth by the NUST student body which helped to further develop the debate. After this session ended, Mr. Mohyuddin presented the shield to the winners of the elocution competition. The Rector NUST then presented Zia Mohyuddin with a shield that would remind him of his visit to NUST.



EME students bring home laurels

The undergraduate students of the Department of Mechatronics Engineering, NUST College of E&ME have achieved outstanding success in various co-curricular events around the country. In the Robo Navigation contest (a part of the Punjab Youth Festival in Lahore) held in March this year, the students secured all top three positions up. In the NEO (National Electronics Olympiad) held in Ghulam Ishaq Khan Institute (GIKI) in February, the first and third prizes were won. Teams also performed exceptionally well and secured the winning positions in Robo Wars competition held in SEECS in March, in the Robo Sprint Lego Robot competition (a part of NASCON 14) held in FAST Islamabad in April and in the Robo Quest competition (a part of IEEE Week) held in Lahore in March.



NBS students reenact *Angan Terha*

The eve of 29th April, 2014, saw the transition of NBS seminar hall into a stage for *Angan Terha*, *Phir*

Se. The students of NUST Business School, performed a play based on the 1980s drama, *Angan Terha*, which was written and directed by Anwar Maqsood. The re-enactment of such a popular drama was a major challenge for the whole team, but they pulled it off superbly. Soon after the play started, the cast had the audience, including teachers and students of NUST, in fits of non-stop laughter.

The storyline of the play revolved around the experience of Amma Jan (Played by Maeedah Babar Chishti) who had to come to stay with her daughter Jahaan Ara (played by Fizza Jamal) and her not-so-happy-about-Amma Jan's-arrival husband, Mehboob Ahmad (Nauraiz Kharal). The servant of the household, Akbar (Abdaal



Muf-ti) was easily the funniest, most entertaining character of the play, along with whom, Mamoo Traffic (Rafi Imran Amjad), Chaudhry Sahab (Nadir), and Hamsheera (Zainab Jawad) also had the crowd laughing their heads off.

Students, faculty and staff of all the campuses of NUST are requested to send their Essays, Poems, Caricatures, Short Stories for inclusion in the forthcoming issue of the magazine

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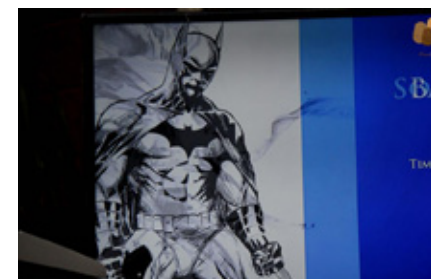
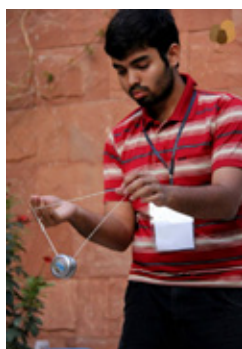
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SEECs has got talent!

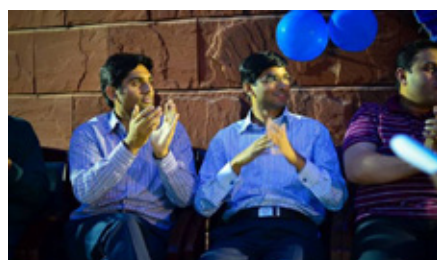
With the first event of its kind, SEECs Alumni Association in collaboration with SEECs Student Government Association (SGA), came up to hunt the talent hidden behind the studious, hardworking and nerdy faces of the people at SEECs. SEECs Has Got Talent was an effort to encourage the students, faculty as well as staff of the institute to exhibit their skills apart from the academic or professional excellence. The event was launched on March 18, 2014.

It was a unique fund-raiser; the SEECs Alumni Association had coined this event a year ago for the collection of funds for the SEECs Alumni Association Scholarship Program, founded in 2012 to cater to the financial needs of students in every semester.



Faculty on the Line at SEECS

Each year IEEE-SEECS chapter organizes an event by the name of Faculty on the Line in which faculty from all the departments of SEECS participate in a game show and the student watch their faculty be a part of something other than the routine curriculum. This year too, the event was a huge success. To kick off the event Umay Salma came to the designated stage area to introduce the teams. The teams were from the Department of Electrical Engineering; the Avengers and the Expendables and from the Department of Computing; The Burqa Avengers. A team comprising of alumni and staff and a team randomly picked from the audience was also made part of the competition. The event progressed with many fun filled activities such as balancing cans on floating water in one minute and picture story. The results were announced at the end of the event. The Expendables, The Avengers and The Burqa Avengers grabbed first, second and third positions respectively.



Annual Bilingual Declamation Contest 2014

Bahria University organized Annual Bilingual Declamation Contest 2014 on 30 April 2014. PNEC, NUST team comprising Abdullah Idress and Talha Saleem participated and won Team Trophy. PNEC team also won All Karachi English Declamation Contest Spring 2014 on 08 April 2014 at Sir Syed Girls College Nazimabad.

Funfair at Army Medical College



Everyone was waiting for 28th of March and then it came with a lot of fun, gaiety and jollity in it because of the funfair at Army Medical College (AMC), NUST. The college ground looked like a huge carnival with a large number of cadets wearing different beautiful and colorful costumes. Vice Principal Brig. Ghulam Raza graced the event with his presence and was the chief guest of the evening and the Brig. Mahmood-ur-Rehman was the judge of the event competitions.

Everyone participated with full zeal and zest and made the event a memorable one. Each entry presented a specific

theme by wearing dresses according to that theme.

34th MBBS presented the theme of Comicon, 35th MBBS presented the theme of Jurassic park, 36th MBBS presented the theme of Truck Art, 37th MBBS presented the theme of Black commandos and finally 38th MBBS 1st year class presented the theme of masquerade. The prize of best theme and best costume was grabbed by all BDS whereas Black commandos were selected for the 2nd best costume and 35th MBBS were selected for the 3rd best costume.

The chief guest along with the respect-

able judges visited all the stalls and appreciated cadets for making the event successful. Faculty members also attended the event with their families and enjoyed the colorful evening. Towards the end of the event, President Amcolians Events and Dramatics Society Naveed Malik and Muzna Nazeer Chaudhary announced the positions of best stalls and best themes. Jurassic Park by Fahad and Furqan of 35th MBBS was selected for the best stall of the funfair. Prizes were distributed by the battalion commander himself and the sky echoed with the slogans and cheers.

NUST Adventure Club Gun Shooting Competition 2014



On the 11th of April 2014, the Annual Gun Shooting Competition was organized by the NUST Adventure Club, at The Gun and Country Club. As with all NAC events, the response received was terrific, and the 40 tickets, 20 each for girls and boys, were sold out in a day. On the day of the event, just as Friday prayers ended, the contestants as well as the executives gathered in the IESE parking. The magnificently built and meticulously maintained Gun and Country Club has some of the country's most extensive sports and recreational facilities.

The participants made their way towards the world class Indoor 10 meter shooting range that The Gun and Country Club boasts, to start the competition. At this point Haroon Sohail, the event head, with the help of his fellow organizers, briefed the participants on

the rules of conduct for the competition. Special emphasis was put on the issue of safety and just how important it was that no levity was shown while inside the range.

The competition then officially started, and turned out to be a truly fierce show of skills and marksmanship. Several of our participants managed to score upwards of a 45, out of a possible 50, score. At the end of this round we were left with 20 of the best marksmen: 10 girls and 10 boys. These shortlisted participants then went head to head in a final round to decide who would claim the much coveted shields.

When the dust settled, participants were left with 6 eventual position holders with Rao Waqar taking first place in the boys category and Tehreem Tanveer taking first place in the girls category. The second and third place

shields were won by Raja Mehran, Asad Ali, Aamna Waraich, and Rida Rehman in their respective categories. The Shields were presented to the winner by Dr. Sher Jamal, our Chief Guest, in the presence of the NAC President Waleed Warris, with the General Secretary NAC Jahandad Nasir announcing the awards. With the Awards ceremony at an end the contestants made their way back to their buses, looking forward to their journey back to NUST, happy and content with the knowledge that their day had been well spent.

Here's what Rida Rehman, the 3rd place winner of NAC's Gun Shooting Competition, had to say about the event. "It was an adventure in its true meaning. With the thrill, the rush, the swooshing sounds! Explicitly amazing event by NAC! Keep up the adventure in our lives. Kudos."

The purpose of life is to live it, to taste experience to the utmost, to reach out eagerly and without fear for newer and richer experience." — Eleanor Roosevelt

NUST adventurers hike Panjpeer

On 26th of April, NUST Adventure Club organized a hike to Panjpeer, approximately 1800 meters in height. The top of the Kahuta Hills was branded the name Panjpeer owing to the shrine present which was the gathering place of the five saints. This event offered the students to put on their hiking shoes and take a shot at a new destination. It also proved to be a quick relief for the students from their arduous examinations.

In spite of the heat and the blazing sun, students were excited for the trip. The route took an approximate three and the enthusiasm was over flowing when hikers finally reached the stop. Refreshments were handed out to the participants and regulations and details were given to

them. Even in such harsh condition the participants were flamboyant and passionate as ever. The pacer in the front, paved way for the participants and the lodger at end directed the hike from the back.

Once at the top, the participants were mesmerized by the breathtaking view and picturesque backdrop. The cold water at the shrine and cool breeze were heavenly. Soon afterwards hikers descended back through an alternate route for more stunning and dazzling scenery. Returning from the hike the participants were treated to a delicious meal from a hotel. The return trip took another three and a half hours and the students reached NUST by eight o'clock. It was truly a memorable experience and the event was carried out impeccably. The event is indebted to the hard work of NAC team, its office bearers and its faculty head. NUST Adventure Club guarantees to bring more of such successful events.



Trip to Ayubia - NSS

The executive members of NUST Science Society enjoyed yet another perk of being part of the society, with the long awaited annual executive body trip to Ayubia, Murree on April, 13. The members, around fifty in all, packed into two buses and after a two hour journey arrived at Doonga Gali, Ayubia. From there, the members trekked 4 km on the pipeline track downhill to Ayubia where the chair lift ride was waiting for them. The undergraduate students were like kids in a sweet

shop with the chair lifts, pirate ship and many more rides at Ayubia. Afterwards they enjoyed themselves to sumptuous dishes of chicken quorma and pulao. The focus of the trip was on the 4-km trek on the pipeline track, during which the members interacted with each other played in the snow and enjoyed to the fullest.

NSS has one of the busiest event calendars in all of NUST and its executives put in hours of hard work all year round. So this little escapade was a well-earned treat. The trip was a welcome chance for the new inductees to mesh with the veterans and strengthen the bond of members.



SPORTS



Nustians contract sports fever as Spring breathes its last



School of Mechanical and
Manufacturing Engineering





Basketball Championship 2014

Military College of Engineering (MCE) Basketball Championship 2014 was held from 14 to 17 April 2014. The championship was organised on pool basis and two pools consisting both OD and

CED teams were made. The matches were played on knockout basis. A total of 9 teams participated in the tournament 4 from OD, 4 from CED and MCE staff team.

All teams showed great zeal and enthusiasm during the tournament.



The spectators witnessed an exciting final match between OD 76 and OD 80. The team captain of OD 76 finally lifted the trophy for his team with OD 80 as runners-up. Maj. Gen. Anwaar ul Haq Chaudhry, Commandant Military College of Engineering graced the occasion as chief guest and gave away the prizes.

Intersarsity Basketball Men Championship 2013-14

NUST Basketball team participated in the Intersarsity Basketball Men Championship 2013-14 "Final Round" at University of Sargodha from 28 March to 1st April 2014. 14 university teams from all over Pakistan participated in the championship. The championship started on 28 March, 2014. A large

number of sports enthusiasts witnessed the championship. NUST team got 4th position in the championship. It is pertinent to mention here that Toufeeq Anwar, Muhammad Fahad, Bilal Baqar and Bassam Raza demonstrated outstanding performance in whole championship.



Intervarsity Chess Men Championship 2013-14

Intervarsity Chess Men Competition 2013-14 was held at Agricultural University, Faisalabad from 13-16 April 2014. 22 university teams participated in this competition. NUST team comprising Mr. Hamza (SMME), Mr. Zahid Ali (SMME) Mr. Waqas (IESE) and team leader Mr. Zain-ul Abideen (SEECs) represented NUST and got 5th position in the competition.



Intra-NUST Chess Men Championship 2013-14

Intra-NUST Chess Men Competition was organized at Military College of Signals (MCS) on 5 April 2014. A total of four teams participated in this competition i.e Islamabad Campus, E&ME, MCE and MCS. Final Match of the event was played between Islamabad Campus and MCS in which Islamabad Campus won the title by 2-1. Mrs. Robina Anser, DD Sports NUST was the Chief Guest of closing ceremony and gave the winner trophy to Islamabad Campus Chess Team, while Lt Col Imran, MCS and other dignitaries of MCS were also present at the occasion.



Friendly Floodlight Cricket Match – Ship's COY

A friendly cricket match was played between Ship's Coy Division at Parade ground on 18 April 2014 at 1900 at PNEC, NUST. Commandant PNEC graced the occasion as chief guest.



It's just a job. Grass grows, birds fly, waves pound the sand. I beat people up.--Muhammad Ali

World Day of Safety and Health at Work



School of Mechanical and Manufacturing Engineering (SMME) observed World Day of Safety and Health at Work on 28th April, 2014. The event was organized by NUST Community Service Club (NCSC) in collaboration with NUST ICE Student Chapter (NISC). A seminar followed by a walk for cause was organized to celebrate this International Day. Dr Athar Masood from HITECH, Sarah Amir from International Islamic University Islamabad (IIUI) and Mr. Samee ur Rehman from World Institute of Safety and Health (WISH) spoke on the event

which was held at SMME Auditorium, NUST H-12 campus, Islamabad. The seminar highlighted the significance of occupational health and safety. The speakers mutually agreed on the underlying importance of bringing in international standards of safety and health at work in Pakistan's organizations. Ms Sarah Amir noted that Pakistan's labor force is most vulnerable to hazardous incidents due to the fact that there is lack of awareness and education on this area which is unfortunately overlooked in our country. The need of

legislations and revised acts on occupational health and safety were jointly stressed upon. Mr. Samee ur Rehman lauded the efforts of NUST for shedding light on this pressing issue.

As a pledge to work for this cause, a walk was also arranged from NUST SMME Building towards Gate 14. The esteemed speakers, Principal SMME Dr. Abdul Ghafoor, staff members and students participated in the walk with zeal and vigor.

NCSC holds free eye camp

As per its tradition, NUST Community Service Club and NUST Administration organized a free eye camp for NUST students, faculty members and staff from April 10 to 11, 2014 at the NUST Medical Centre, in collaboration with Al-Shifa Eye Trust, an esteemed and trusted organization based out of Islamabad. The camp included qualified doctors assisted by NCSC executives



and volunteers all of whom were students of NUST. The aim of the camp was to provide the general Non-Gusseted (NG) staff with free eye check-ups, free

medicine and free glasses. As expected the turnout was remarkable, a staggering 600 people were facilitated during the two-day activity.

Nigar Nazar enthrals community service course participants with animations

NUST Community Service Club (NCSC) arranged a seminar of the CEO of Gogi Studios, Ms. Nigar Nazar on April 8, 2014 (Tuesday) at SCEE Seminar Hall. This was Ms. Nigar's second visit that was arranged by NCSC. Ms. Nigar previously delivered a Community Service Learning (CSL-401) lecture on 1st April, 2014. Ms Nigar has rendered over 40 years to pictorial and animated humor with a down to earth realism.

Nigar Nazar, the first female cartoonist of Pakistan, emphasized on the notion that there was immense potential in the Pakistani youth. She told the audi-

ence as to how she felt that the children are the most innocent and they can adapt to such social messages quickly. She also introduced the students with her character 'Gogi' and explained the social issues she was working on. Nigar also showed some of her illustrations including comic strips, calendars, greeting cards, posters, story books, puppet shows, Gogi Buses, hospital murals and animation TV spots. The issues covered in her work range from environment, woman harassment, health, hygiene, disaster management and even politics.



Need analysis of underprivileged schools

The course participants of Community Service Learning course (CSL-401) conducted a survey for the project 'Need Analysis Survey of Underprivileged Schools' on 5th April 2014. The group of 15 students explored two regions of Rawalpindi and covered nine schools on the first visit. The team was divided into 3 groups and each group covered 3 schools.

The students noticed that there were three main problems in these schools. The most pressing issue was that the response from the parents to the school administration was negligible. There was very inadequate furniture in those schools as compared to the strength of students. Their science labs were not well equipped and the students were not able to perform their practicals properly. After the completion of survey, the students plan to develop the school with the least facilities.



Student Support Fund

According to a survey, around 72% students at NUST find it hard to pay their tuition fee. A large number of them come from a very humble background with a net household income of less than Rs 20,000.

Keeping on mind that charity begins at home, NUST Community Service Club (NCSC) has established Student Support Fund to minimize the financial woes of the students. In this context, NCSC organizes various fund-raising events. Currently, half of the fee of a few students from SMME and ASAB is being paid through the support fund.

NCSC TABA team organize Book Fair

NCSC TABA team arranged a book fair in order to raise funds for the education of underprivileged children and for installing water pumps in the drought-stricken region of Thar. Around 1000 books were collected from NUST students in collaboration with the NUST Book Club and Heal Pakistan team at NUST. The NCSC TABA team then held a book fair on the 8th, 9th and 10th of April in SEECS, in which the junior batches of students were able to buy relevant books for studies at low rates and contribute towards the team's cause at the same time. With the support of the SEECS administration, the NCSC TABA team was able to collect around Rs. 18,000.



Visit to Saya School

NCSC TABA team arranged a visit to Saya School in Mera Akhu near the slums of F-12, Islamabad on 5th and 12th April 2014. The school is a private institution set up solely on the basis of donations and facilitates over 300 children from the surrounding areas for prep class up to class VI. The NCSC TABA team visited the school on 2 consecutive

Saturdays with 50 volunteers from SEECS, NUST. NUST students divided themselves and the children into groups, encouraging them to learn and participate in all sorts of different activities such as sports, painting, computer learning, storytelling etc. The NCSC TABA team hopes that the NUST administration will continue supporting the Saya Teaching Project, giving the children an exposure to better grooming and ultimately giving them the opportunity they deserve for a brighter future.



Service to others is the rent you pay for your room here on earth. -- Muhammad Ali

Students visit Saint Joseph's Hospice

A group of 12 course participants of Community Service Learning (CSL-401) visited Saint Joseph's Hospice in Westridge Rawalpindi on 7th April, 2014. The hospice treats patients with chronic illness and disabilities, tuberculosis, meningitis, polio and typhoid. Children with congenital deformities and malnutrition are often abandoned to the hospice. All medical services are free of charge.

The course participants provided patients with lunch that was all homemade and they were really happy. The students spent almost 5 hours with them and engaged them in some activities. They played with the kids and also provided them coloring book and colors as well as sang songs with them.



At the end, the students gave goody bags to all the children who felt really happy to receive those gifts. The students are also planning on collecting donations for the hospice at NUST.

Senior Citizen Rights team renovate Dar-ul Affiat

NUST Community Service Club (NCSC) Senior Citizen Rights (SCR) team, along with some other volunteers, renovated Dar-ul-Affiat old homes in Rawalpindi in the last week of April. Most of the first day was spent in white washing a large part of the premises. The rest of that day the rooms were cleared out, the furniture dusted and then properly reinstalled inside. The next day the remaining rooms were taken care of as



well as the dining room and work was done to improve the overall look of the old home so that the residents felt comfortable, relaxed and happy in these premises. The volunteers worked around 8 hours each day under the supervision of Director Administration NUST Mr Arif Mahmud Siddiqui.

Aura of Splashing Colours

NUST Community Service Club (NCSC) Edvolution team carried out a two-day awareness activity in Concordia-1 and Concordia-2 on 9th April, 2014 at NUST H-12 campus. The activities included colorful hand prints to show the little angels of Maseeh Gill Colony, H-9/2 that they don't stand alone rather they have tremendous support of people who don't even know them. The event also included the message delivering section in which handsome number of people had a lot to say to the world out there. After the tremendous response, it was declared an awesome success by the explicit and amazing work of Edvolution's team.



Lecture on Stress Management

A lecture on Stress Management was arranged for the course participants of CSL-401 of SCEE and SEECs on 1st and 3rd April respectively at the SCEE seminar hall. The lecture was given by Assistant Manager Community Service Maheen Mumtaz. The lecture was aimed at encouraging students to correctly understand their stress symptoms and learning techniques to manage them effectively. Research shows that students feel highest levels of stress that may negatively affect every aspect of their lives. Stressors range from studies to work and that sprout from other relationships. The lecture focused on various stress management techniques such as breathing, crisis management, problem solving and time management.



Dr Khalida speaks to Community Service Learning course students

NUST Community Service Club (NCSC) held a seminar on April 10, 2014 for Community Service Learning (CSL-401) course students, in which two speakers were invited. Mr. Naqash gave a lecture on first aid, explaining its importance and why it was necessary to be equipped with such training. He talked about the basic life saving tips that could be used when in need and

later on he demonstrated them by asking some students to volunteer and act as victims of different accidents and emergencies.

The second speaker of the day was Dr Khalida, an alumna of Michigan University. The topic of her lecture was American Muslim Community: Social Barriers. In her lecture, she explained the difficulties and challenges that Pa-

kistani students faced when they go abroad to study. She talked about her own personal experiences in the United States of America. The students' response was very positive, asking questions about the cultural differences found in America. Dr. Khalida's talk indeed helped students aspiring to pursue higher studies abroad.



NUST
News



National University of Sciences & Technology

H-12, Islamabad, Pakistan

Tel: +92-51-90851370 **Fax:** +92-51-90851362

Email: nustnews@nust.edu.pk

Website: www.nust.edu.pk

