

MONTHLY

NUSTNEWS

Volume IV / Issue VI



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“Be ready when opportunity comes... Luck is the time when preparation and opportunity meet”
Roy D. Chapin Jr



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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.

Workshop on Pak-US Higher Education Initiative on Civic Engagement



NUST organized a four-day interactive workshop on Pak-US Higher Education Initiative on Civic Engagement on June 26-29. Officials, faculty and students from different constituent schools and colleges of NUST participated in the workshop.

The erudite team from George Washington University, USA made the day more prone to learning with their interactive activity-based session. Dr Amy Cohen emphasized on the teaching and learning strategy involved in service learning and the effective role of academic material, meaningful community service and guided reflection. She further said that service learning directly targeted serving the community and student learning. Dr Emily Morrison discussed how the students confront the real life situations of community need, develop meaningful connections with community leaders, refine their critical thinking skills and consequently demonstrate their civic responsibility. Maurice Smith helped the participants differentiate the fine line which lies within community service, civic engagement and service learning and touched upon the intellectual, ethical and social development of the student. He further said that service learning comprised a compact academic material and further involved community service and guided reflection to support it. He also made a mention of the community based research, problem based situations, action research and Service Learning Internship Programmes.

Earlier Principal NUST School of Mechanical & Manufacturing Engineering Dr Abdul Ghafoor in his opening remarks briefly got the participants introduced to the aims and objectives of the workshop while Ms Tehreem Saifee elaborated on NUST, its various programmes, the midterm and long term goals and objectives. Director Student Affairs briefly highlighted NUST Civic Engagement Paradigm and the vision the University had set as its futuristic perspectives. He said that National University of Sciences and Technology was fully committed to incorporate the Service Learning requisites to its mainstream curricula which may give it a new dimension and scope. He asserted that the University was all set to explore new avenues exclusively meant for student learning and equally helpful in giving new hope to the destitute. Faculty Sponsor NUST Community Service Club, Dr Irtiza spoke on the implementation of Community Service Programme at NUST while Dr Muhammad Arshad from NUST Institute of Environmental Sciences and Engineering presented the effective functioning of NUST Environment Club at Community Service. Faculty Sponsor NUST BioReach Society, Ms Ayesha Masrur briefly introduced the contribution of NUST Bio-Reach Programme towards Community Health.

All the participants were then conducted to the SOS Village Islamabad.



Panel Discussion: US-Pakistan Higher Education Initiative on Civic Engagement and Social Responsibility

NUST conducted a panel discussion on US-Pakistan Higher Education Initiative on Civic Engagement and Social Responsibility on June 29 at the H-12 campus. Renowned journalist/anchor Syed Talat Hussain conducted the proceedings.

The participants mainly comprised students and faculty members from various disciplines who had been attending the prior workshop sessions. The major theme behind conducting the panel discussion was to provide the audience with an opportunity to hear both the US and Pakistani perspectives and to further develop a knowledgeable conversation about civic engagement in higher education. The panel discussion helped the attendees further clarify and evaluate their positions regarding the role of universities, student responsibility and volunteerism, partnering with local organizations to work more closely with the community. The panellists from Pakistan included Dr Mukhtar Ahmed, Executive Director HEC, Dr Masoom Yasin Zai, Vice Chancellor QAU, Engr Muhammad Asghar, Rector NUST, Dr Samina

Amin Qadir, Vice Chancellor FJWU and Dr Sultan Hassan, Chairman REDO, Pakistan as the University's community partner. The US side comprised Ms Susan Stroud, Founder, Innovations in Civic Participation (ICP), Ms Rita Akhter, Executive Director, The United States Educational Foundation in Pakistan, Dr Paul Landow, University of Nebraska at Omaha and Amy Cohen, Executive Director, Centre for Civic Engagement and Public Service, GWU. The panellists shared their perspectives about the role of universities in developing community to create a discernible social impact. This very concept has already been an integral part of the Strategic Development Framework of Higher Education Commission of Pakistan. The major themes of role of university leadership, the development of institutional policies and programs, the enhancement of students civic skills, outreach to community youth, and strengthening of faculty involvement in 'engaged scholarship' also remained significant issues during the discussion. A thoughtful question and answer session ensued



Seminar on Pak-US Higher Education Initiative on Civic Engagement and Launch of PCTN

Final Seminar on Pak-US Higher Education Initiative on Civic Engagement, sponsored by Innovations in Civic Participation and the US State Department, was held on July 1 at the newly built fabulous auditorium of National University of Sciences and Technology.

Federal Minister for Planning and Development Ahsan Iqbal presided over the inaugural session culminating on the launch of Pakistan Chapter of The Talloires Network. The Network promotes a culture of civic engagement and social responsibility at institutions of higher learning. The minister lauded the initiative in which five Pakistani Universities, including NUST, Quaid-i-Azam University, University of Veterinary and Animal Sciences (UVAS), Dow University of Health Sciences, and Fatima Jinnah Women University, were twinned with five US universities, including George Washington University, Tulane University, University of Nebraska-Omaha, University of Minnesota, and University of North Carolina-Chapel Hill, for collaborating to share knowledge and experiences regarding community service, civic engagement and service learning. He commended the vision and goals of the initiative and admired the role of HEC in providing strategic guidance and support to the universities in Pakistan. Ahsan Iqbal reiterated that the present government was committed to according top priority to education and youth empowerment.

Talloires Network ED Robert Hollister and ICP Founding Director Susan Stroud too dilated upon the goals of respective programmes and commended NUST role as the lead university from Pakistan.

Federal Minister for Science and Technology Zahid Hamid was the Chief Guest at the final session of the Seminar. He commended the high and noble purpose of the initiative and appreciated roles of sponsors, ten twinned universities and that of

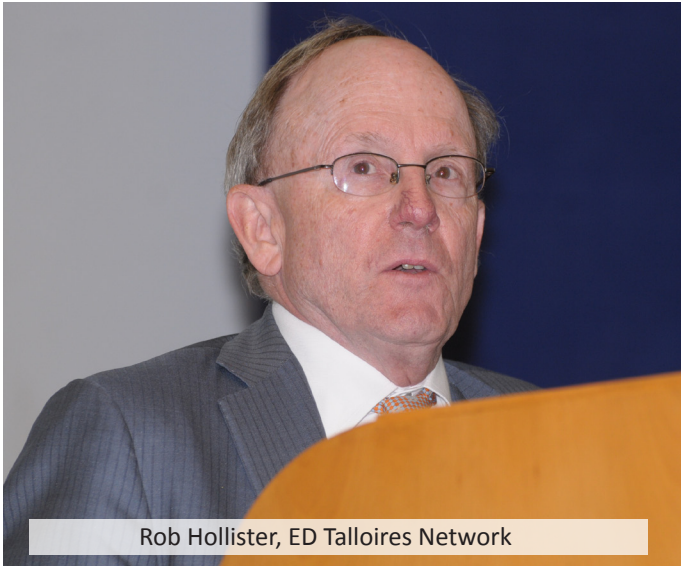
NUST for spearheading that programme on behalf of Pakistani Universities. He reassured the Vice Chancellors and Rectors of Pakistani universities that his government was resolved to provide maximum support and patronage to the cause of Higher Education in the country. He particularly highlighted that promotion of Science and Technology in the country was a priority focus of his ministry and the government. US Ambassador to Pakistan Richard G. Olson was the Guest of Honour at the final session who expressed complete support for the initiative and admired the role of all partner universities in making the collaborative programme a success.

Earlier Rector NUST Engr Muhammad Asghar in his opening address welcomed the distinguished guests from governmental organisations, academia and civil society and highlighted the prominent features of the initiative and underscored NUST vision, strategy and implementation plan to promote a culture of social responsibility and civic engagement. He was addressing a vast audience, packed to the capacity of huge auditorium. He thanked the eminent guests from all over the country.

The former Rector NUST, Lt Gen (Retd) Syed Shujaat Hussain while delivering his statement said that the holding of the seminar was the right step in the right direction, at the right place, and at the right time. He was of the view that the civic engagement was a prolonged process whereas short term solutions were required to be sought to control the menace of extremism and terrorism, lack of social justice and to further ensure improvement in good governance as the economic institutions and communities could only grow in an overall healthy political and peaceful environment. He further said that a sound and relevant education system, related to the economy was the need of the hour and added that education should not be regarded as commodity to make tons of money. He further emphasized the need for an integrated and well balanced approach towards life for the development of all of its 4 dimensions i.e. physical, intellectual, emotional, and spiritual, to produce a wholesome product, by restructuring the education system at all levels.

Later, NUST hosted a dinner reception and Cultural Evening at PNCA Islamabad in honour of the distinguished guests and participants of the seminar.





Rob Hollister, ED Talloires Network



Susan Stroud, ED ICP



Ambassador Richard Olson at the Launch of PCTN



Shamsh Kassim-Lakha: The Session Chair



Chief Guest Zahid Hamid, Minister MoST presenting event souvenir



Exhibition/Stalls set up by different universities



Visits to community partners and places of cultural significance

Participants of the Workshop on Pak-US Higher Education Initiative on Civic Engagement held from June 26-29 paid visits to community partners and other places of cultural significance in and around the federal capital.



▲ SOS Village Islamabad (26th June)



▲ REDO Complex (27th June)



▲ Lok Virsa Museum (27th June)



▲ Taxila Museum (28th June)



▲ Free Eye Camp by NCSC at NUST Medical Center (28th June)



▲ Dinner at Monal (28th June)



▲ Recreational Trip to Chinar Golf Club Bhurban (30th June)



▲ Musical Evening at PNCA (1st July)



▲ Dinner at PNCA (1st July)

NUST among Top 100 Asian Universities



National University of Sciences and Technology (NUST) has been included among top 100 Asian Universities in the subject of Engineering & Technology according to the recent ranking of Asian Universities announced on 11 June, 2013 by Quacquarelli Symonds (QS), UK. NUST has been placed at 75th position in this subject. NUST attained the overall rank of 120 amongst the Asian Universities. In the subjects of Natural Sciences, Life Sciences & Medicine and Social Sciences & Management NUST stands at 138th, 136th and 144th positions, respectively.

These rankings are carried out on the basis of teaching quality, perception of international academic peers, quality of university graduates as per their employers and internationalization measures taken by the university. Rector NUST has lauded the efforts put in by the management, faculty and students of NUST institutions to bring this honour to NUST. He has urged them to work even harder to take the flag of NUST to further heights in the international academia.

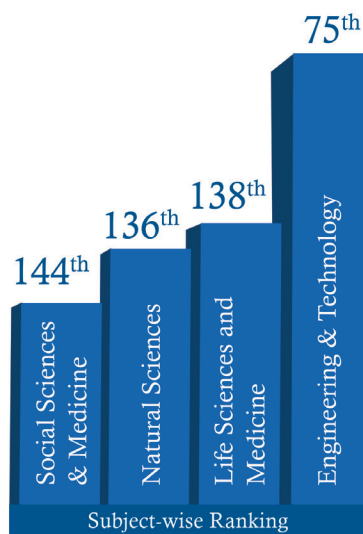
UNVEILING THE NEW NUST RANKINGS

**NUST Ranked #1
University in
Pakistan**

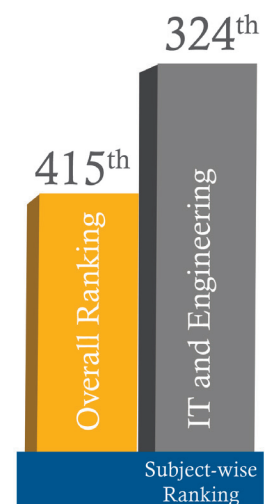


#1 University of Pakistan in the category of General (Large) universities, based on the implementation status of Quality Assurance criteria, teaching quality and research conducted.

**The Asian Factor
NUST Ranked among
TOP 120
Asian Universities**



**World Ranking 2012-2013
NUST Ranked among
TOP 500
World Universities
(415th position)**



Coca Cola Scholarship Program

Students from NUST were selected in a one month fully sponsored scholarship program at the United States of America by the Coca Cola and the U.S. Department of State. The selection process was highly competitive with more than 7000 students from eight countries participating, of which only 100 students were shortlisted. These 100 students included eleven students from Pakistan.

The two teams from Pakistan comprised students from NUST, LUMS, IBA and PU. Anisa Rasheed, Abdul Moiz Sohail, Mehroz Haider, Muhammad Nouman Khalid, Shamsa Kanwal and Muzamil Khalil from National University of Sciences and Technology (NUST) were part of the teams.

The US Department of State joined hands with The Coca Cola Company in 2012 to sponsor 100 students from Middle East and North Africa (MENA) region to attend a unique business program at Indiana University to get entrepreneurship education. This year, in 2013, Global Business Institute (GBI) Feasibility Study Programme was organised by Kelley Business School of Indiana University with the help of the US Department of State and The Coca Cola Company and for the first time, Pakistani participants contested the competition.

For the final presentation, teams were divided into four pools for first round of presentations. The winners from each pool then competed in the final round of presentations. It was a great honor not only for NUST but also for Pakistan that "Team 8 Pakistan" presenting on Solar Water Purifier bagged the first position while "Team 17 Pakistan" presenting on Biogas remained runners-up. Both the teams had 3 Nustians each.

The top ten teams of this program, including the top two teams from Pakistan were sent to Washington, D.C. to present their ideas at the US Department of State, where they also met the CEO of The Coca Cola Company, Mr Muhtar Kent, at The Coca Cola Headquarters in Atlanta, GA.



HEC, Pakistan and Bangladesh delegations visit NUST

In recent years, as part of an overall internationalization initiative, NUST has enhanced its ties to institutions of higher learning across the globe. As part of this initiative NUST hosts visits of international delegations of Students, Faculty and Officials from different higher education institutions from around the world. HEC, Pakistan also collaborates to arrange such visits.

A similar tour was arranged by the HEC under student exchange programme in which 40-member delegation of Bangladeshi students led by Dy Registrar Rajshahi University, Bangladesh visited NUST on 25th June 2013. Briefing was given to the delegation about establishment, institutions, programs, research initiatives and future plans of NUST followed by a detailed Q & A session. The students in their remarks greatly admired the quality of teaching, research, infrastructure, facilities provided for its faculty and students to ensure quality teaching, learning and research. Many of them expressed their wish to study at NUST. Pro-Rector (Academics), Dr Asif Raza assured the delegates of provision of maximum facilitation in case the Bangladeshi students join NUST.

The head of the delegation Prof Aslam Hussain thanked NUST officials and prayed that relationship between NUST and Bangladeshi Universities continues to develop and leads to even further interaction, collaboration and activities between academics and students.

Later, the delegates were given a guided tour of the University.



The delegates also visited NUST School of Electrical Engineering & Computer Science (SEecs) and NUST Business School (NBS), where they were exposed to the research facilities, laboratories, NUST FM Radio and Television Stations.

While expressing their views about the visit, they were of the opinion that they will never forget this trip to Pakistani universities and will brief all their friends and relatives about the education standard and quality of Pakistani universities.

"After visiting NUST and interaction with administration, faculty and students, our mindset about Pakistan has totally changed", said a student.



AMC Convocation and Awards Ceremony



The graceful awards and convocation ceremony was held in Army Medical College from March 6 to 7. Lt. Gen. Azhar Rashid, Surgeon General of Pakistan Army was the chief guest on the occasion while Maj. Gen. Salman Ali, Principal Army Medical College presided over the event. The chief guest congratulated the graduating officers on successful completion of the course. His address was followed by the distribution of the medals and the certificates of distinction among the cadets.

The convocation was held the next day in Ayub Auditorium. The chief guest presiding over the ceremony was Minister for Science and Technology, Dr Saniya Nishter. She expressed confidence that the knowledge and skill acquired at NUST would assist the students to effectively contribute towards building a knowledge economy.

As many as 44 gold medals, 9 silver medals and 49 certificates were distributed among the graduating students. The proud parents of these students were also present. All in all, these two events and the performance of the administration and cadets of this institution left a lasting impression on the minds of the guests and students alike.

Khadija Shahid received gold medal for standing first in First Prof BDS, whereas Fatima Javed received silver medal in First Prof BDS. Sehrish Mubeen received gold medal in Second Prof BDS, while Mehrunnisa Anwari and Saadia Zaman got silver medals respectively. Aasma Maqbool received a gold medal in Third Prof BDS, while Sadia Riaz was awarded a silver medal. Maheen Farooq was awarded gold medal in Final Prof BDS, whereas Zainab Akbar was awarded with the silver medal. Qurat Ul Ain Arshad and Kashif Ali Sarwar received gold medals respectively for First in First Prof MBBS, while silver medal was awarded to Namrah Siraj. Sidra Riaz received gold medal for First in Second Prof MBBS while Samia Asif was given the silver medal. Syed Rafay Ali Sabzwari received gold medal for First in Third Prof whereas Maimoonah Rasheed received the silver medal. Mamoon Mujahid was awarded gold medal for First in Final Prof MBBS while Madiha Fida got the silver medal.

Mamoon Mujahid received the gold medal for first in Final Prof MBBS-2011, while Madiha Fida received the silver medal for second in final prof MBBS-2011. Syed Rafay Ali Sabzwari received gold medal for first in third Prof MBBS while Maimoonah Rasheed got the silver medal.



NILE organizes a three - day workshop in collaboration with Michigan State University, USA

Three day Faculty Development Workshop on 'Best Practices in Health Education & Research' was held at Professional Development Centre (PDC), NILE, NUST from June 17 to 19. The workshop was organized as a result of a joint collaboration between NUST and Michigan State University, USA. The objectives of the workshop were to develop understanding of global health issues and to discuss several topics including critical role of social sciences in teaching and practice of community health; community health needs; evidence-based research and policy-making through university-community partnerships and gain knowledge of cultural competency in the delivery of community health services.

The resource person of the workshop was Dr Khalida Zaki, Assistant Professor, Department of Sociology, Michigan State University, USA. First day started with the introduction of participants and the resource person. Principal NILE, Dr Qaiser Hameed Malik gave an introduction of the workshop while Pro-Rector



(A&R), Dr Asif Raza, who was the chief guest of the Opening Session welcomed the participants and guests. On the first day, there was a detailed introduction of workshop modules and then a topic "Reflection on Excellence in Teaching and Research" was covered. Second day, two topics namely "Women's Health- An Innovative Framework for Health Program: An Example Proposal" and "Empowering Community: MSU Examples of University-Community Partnerships in Health" were presented. On third day, Dr Qaiser gave an overview of the workshop while Rector NUST, who was the chief guest of the closing session, addressed the participants and distributed certificates among the participants.



Campus Management System workshops

Several workshops were successfully completed for Directorates, Schools and Colleges by CMS at NUST. Directorates and Schools were grouped and their workshops were conducted at H-12, while CMS team conducted workshops for Colleges in their respective premises. The basic objective of these workshops was to document AS-IS (existing) processes and requirements of student, faculty and administrative life cycle pertaining to relevant directorate/institution with orientation of CMS delivered processes.

H-12 Schools were divided in four groups, while the Directorates were grouped based on modules/processes. Sessions for Directorates and Schools were conducted separately based on their respective involvement in student life cycle. A total of 46 sessions were held in the campus, some of which are Student Financials, Student Admissions, Student Records (Research Tracking), Student Records (Catalog and Scheduling), Student Records (Enrollment), Student Records (Attendance), Student Records (End of Term), Residence Management System, Campus Self Service and Grade Book taking place from 12th-19th July 2013. After successful completion of mentioned workshops, preparation of requirement documentation by CMS team is under way.

C³A conducts workshop on Strategies for Effective Classroom Management

Teachers play various roles in a typical classroom, but surely one of the most important is that of a classroom manager. Effective teaching and learning cannot take place in a poorly managed classroom. On request of the administrative staff and Director of SOS village, a workshop was organized to assist the teachers in managing their classes in a more effective way. While being mindful of their prevailing issues, problem solving behaviour was advised. Participants of the workshop were involved in various activities and were exposed to the different techniques in handling a class.

Apparently effective teachers seem to be effective with students of all achievement levels regardless of the levels of heterogeneity in their classes. If the teacher is unsuccessful, students under that teacher's instruction will achieve inadequate progress academically, regardless of how similar or different they are regarding their academic achievement. The counsellors at C³A discussed functions of effective teacher, which included making wise choices about the most effective instruction strategies to employ, designing classroom curriculum to facilitate student learning, and making effective use of classroom management techniques. The Director and the teaching staff at SOS Village expressed their gratitude to NUST administration and particularly to C³A for holding this workshop.



DHANAK: Education & Community Service Society (ECSS) launched by PNEC

PNEC students launched the first project of Education and Community Service Society of the year 2013 on April 12 namely, 'Dhanak'. PNEC conducted a programme for Special Children of Pakistan Navy Special Children School, Rangoonwala, Karsaz. The students with physical, visual and mental impairments participated in the programme. Children suffering from hearing-impairment welcomed the guests and expressed the difficulties faced by special people. It was also depicted how an engineer with the help of technology can help to alleviate their difficulties of adjustment in society.

The event was graced by the presence of prominent Pakistani writer, advertising executive, politician, social worker, intellectual and former information minister, Mr Javed Jabbar. Commandant PNEC Rear Admiral Syed Imdad Imam Jafri SI (M) graced the occasion as the chief guest. Mr Javed Jabbar addressed the audience and said that it was one of the most beautiful ways of starting Friday by bringing smiles on faces of youngsters who are looked upon as disabled while they are the most special.

In the end, Commandant PNS Jauhar addressed the audience and said, "It was a worthy experience to watch these special children perform on stage. Through their performances they not only highlighted the problems that are faced by them but also brought food for thought for all of us."



Advanced Numerical Modelling Techniques for Complex Geo Mechanical Projects

A two day workshop on 'Advanced Numerical Modelling Techniques for Complex Geo Mechanical Projects' was organized by Professional Development Centre (PDC), NILE, NUST in cooperation with Institute of Geographical Information Systems (IGIS) on June 21.

Participants were given hands-on training in application of the advanced numerical modeling techniques comprising FLAC 7.0 and 3DEC 5.0, for complex geotechnical numerical analysis by using different interactive exercises. Principal NILE, Dr Qaiser Hameed Malik was the chief guest on the occasion. The respected resource persons of the workshop included Dr Patricio Gomez (USA), Engr Markus Mathey (Germany), Dr Zafar Iqbal (Japan) and Engr Sarfraz Ali (South Africa).

Workshop was attended by 42 participants from different universities, and industries, Pakistan Atomic Energy Commission, Saindak Metal Ltd and GHQ. The workshop equipped the young

engineers with the most advanced cutting edge skills that maximized their global employability potential and sharpened their decision making skills.



EC-Council's Certified Secure Computer User Training at MCS

Certified Secure Computer User (CSCU) training was organized at MCS from 12-13 Jun 2013. It was attended by 13 participants, which included IT professionals, network and technical managers, senior information security executives, marketing executives, armed forces personnel and software developers from various government and private organizations, as well as students. The training spanned two full days training followed by 2 hours of EC-Council (online) exam at MCS. All participants passed the CSCU online exam and became the EC-Council's Certified Secure Computer Users. The training concluded with a simple ceremony in which Dean (Dr Ashraf Masood) distributed certificates among the participants. MCS has a plan to run eight such training sessions in next one year. Details may be seen at cscu.mcs.edu.pk.



Consultative Workshop on Coal Gasification

A one-day consultative Workshop was jointly organized on 11th June 2013 at NUST by the Engineering Development Board (EDB), Ministry of Industries and CES-NUST. A large number of university researchers, engineers, academicians, scientists and industry representatives attended the Workshop. In his introductory remarks, the Pro-Rector Acad NUST, Dr Asif Raza emphasized the need for practical measures towards controlling the prevailing energy crisis. He informed that NUST had expertise and resources which can be exploited for the sublime cause of resolving the issue of energy crisis. He assured the forum that with collaborative efforts, the academia and industry, substantiated by government support can devise means to overcome this menace.

CEO EDB, Engr Qazi Ebadullah Khan informed that EDB had initiated an Industrial Research Program (IRP) to establish the industry-academia linkage. He elaborated the main features of IRP and informed that under IRP, around 1000 scientists and researchers in 308 disciplines from 22 universities had been brought to the common ground. He added that the consultative Workshop on coal was one of the most important initiatives taken in the follow up of the IRP. He further said that it was high time to switch to suitable energy resources that are affordable, competitive and above all sustainable and coal is a suitable source of energy, available in abundance to meet the country's energy demand for more than a century.

Prior to this, Principal CES, Dr Mohammad Bilal Khan in his welcome note said that at present Pakistan is facing serious energy crisis. Severe shortage of electricity and natural gas has adversely affected the industrial and social sectors, crippling the economy in the process. Pakistan is ranked 2nd in coal reserves, but 35th in coal production. Coal occupies 45 % of the world energy mix, with USA using 50%, India 70%, China 79%, and South Africa 93% coal in the energy mix. While sitting on one of the world's largest reserves, our share of coal in the energy mix is less than 1 %. A way forward is the gasification of coal which is a versatile technology that can provide heat for the furnaces, electricity for captive power and liquid fuel for the commuting, logistics, aviation and marine sectors. It promises indigenous, reliable and less expensive power generation as compared to oil-fired power generation based on imported oil.

Representatives from PIAS, Coal Water Slurry Company, Tauwarki Steel Mills, Thar Coal Project, Greshem Eastern (Pvt) Ltd., Clean Coal Gasification Company, International Fabrication Lahore, Trade Serve International, PCRET and State Bank of Pakistan, delivered enlightening talks in the Technical and Industry sessions of the Workshop. After threadbare discussions, the participants put forward recommendations to materialize the gasification of local coal. A research team comprising EDB and CES-NUST will field concrete technical proposal to HEC for funding the indigenous design and fabrication of an industry prototype to be first tested and offered to industry at large.



ILO conducts productive sessions on Job Placement and Internship Hunt

The office of Industrial Relations had a very productive month with respect to the job placements and internship hunt for the students of NUST. British American Tobacco visited NUST to hold tests for internships and Management trainee programs. The test, catering to almost 250 students, proved to be a successful one and the students were all really interested in the opportunities being offered. The proceedings began with a two hour interactive session between the students and the personnel from the tobacco company, which included a number of NUST alumni. They discussed the wonderful working environment at the company and the benefits of working at British American Tobacco. Later, the tests were held and the day proved to be a fruitful one. Following the tests, the tobacco company held assessment centers for the selected student. And, at present, the selected candidates await interview calls to be followed. Also, Ibex International came to NUST to hold their recruitment sessions. For almost 54 internship opportunities about 150 students showed up and the sessions were again a success.

As a follow up to the previous year's activities, the office of Industrial Relations is proud to announce that 4 students of NUST have been given jobs at Schlumberger and 2 at Lotte Pakistan. These are the confirmed statistics up to now, and more are also coming in as students are beginning to receive second interview calls from most of the companies they applied for, through the office of Industrial Relations.



NCSC joins hands with TABA Foundation to help earthquake victims

NUST School of Electrical Engineering and Computer Science (SEECs) presented an awareness Course on ISO 27001- Information Security Management System on June 13. SGS Pakistan (Private) Limited has been actively involved in the training, both public and in-house, for information security management system (ISO 27001) and has conducted a number of training sessions in all major cities of Pakistan. To continue with their philosophy of keeping their valued clients up-to-date with the newer business requirements, SGS Pakistan modeled a one-day ISO 27001 ISMS Awareness Course.

The recent high profile information security breaches and the value of information are highlighting the ever increasing need for organizations to protect their information. An Information Security Management System (ISMS) is a controlled approach to managing sensitive company information so that it remains secure. It encompasses people, processes, and internal and external systems. Information and the supporting Processes, systems and networks are important business assets. Confidentiality, integrity and availability of information is essential to maintain competitive edge, cash-flow, profitability, legal compliance and commercial image.

It is therefore vital that an organization takes steps to protect its information assets. A proven solution is the adoption of an Information Security Management System (ISMS), which meets the requirements of ISO/IEC 27001. The course content included Introduction to ISMS, Information Security basics, myths, and reality, Business requirements for ISMS, Benefits of an ISMS, Brief description of ISO 27001 requirements, Info Security Risk management, Control objectives & controls, Road Map to ISMS Certification and Workshops / Exercises.

NUST-KCL Conference 2013

A video-conference was arranged at NUST Business School on June 24. The conference was a joint effort by the department of War Studies at King's College London and NUST Business School. The conference was on the subject of the future implications of the recent Pakistani elections. The two panels discussed the implications of the domestic and foreign policies of the newly elected government for Pakistan and the region. The panel at NBS included Dr Ashfaq Hasan Khan, Maj Gen Ali Baz Khan, Muhammad Ishfaq Khattak, Air Marshal Shahzad Chaudhry and Syed Talat Hussain. The conference in London was chaired by Prof Anatol Lieven and was attended by journalists, foreign officers, professors and students.



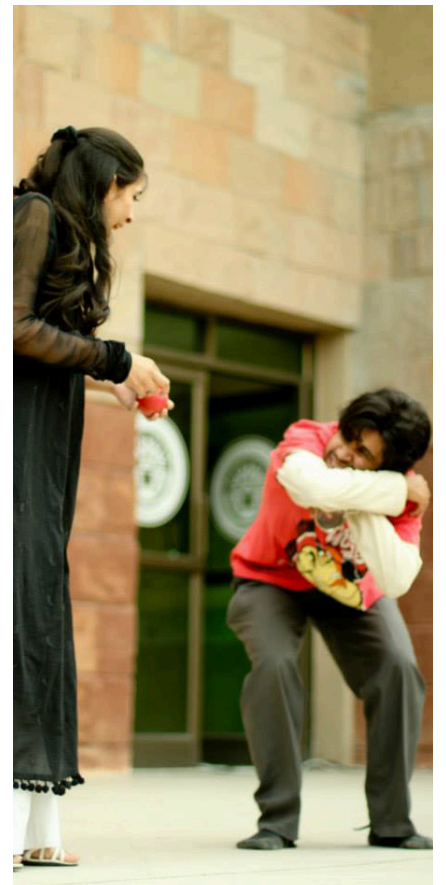
NBS Farewell & Drama-Fest

NBS Farewell 2013 was held on May 3 for all the batches of NBS. The night started with the announcement of titles for the senior batches followed by special videos dedicated by the junior batches to their seniors. The night glittered with happy faces leaving behind a stream of memories.

The fever of the farewell had not yet abated that the Drama and Video Making competition came marching. The entire NBS buzzed with its happening for the first time. Teams came tumbling in to register for both the competitions. The dramas were staged outdoor where NBS presented itself as an open air theater. This was followed by the screening of the videos. Winners along with the runners-up arose and NBS saw a week like none before, full of energy and fervor.



NBS Cultural and Dramatics Society produced a drama and video competition solely for NBS, and this was the first time C&D took such a brave initiative. This gave the young and brilliant minds of tomorrow an opportunity to showcase their talents who were later rewarded for their efforts.



Dr Ashfaque's participation in conferences and seminars

Principal and Dean NBS, Dr Ashfaque H. Khan, Principal and Dean NBS gave a presentation on "Federal Budget 2013-2014" at Institute of Chartered Accountants of Pakistan (ICAP), on June 21. As a member of Board of Governors of Foundation University, Dr Ashfaque attended 20th Meeting of the Board of Governors on June 6 in Committee Room of Foundation University Defence Avenue DHA, Phase-1, Islamabad. Pre-Budget Seminar presentation on "Agenda for Stabilization and Economic Growth" was delivered by him at Sustainable Development Policy Institute (SDPI) on May 21.

Another such presentation on "Macroeconomic Planning in Pakistan" was given by Dr Ashfaque at 13th Senior Management Course, National Institute of Management, Karachi and another one on "Pakistan's Economy: Challenges & Solutions" at Ordnance College, Malir Cantt, Karachi on May 16.

Pakistan Tobacco Company Recruitment Drive 2013

Ms Subha Imtiaz, Management Trainee - HR with a team from Pakistan Tobacco Company visited NUST to conduct a test for PTC Management Trainee/Summer Internship Drive 2013 on June 10. The Engagement session and SHK Test were held on June 10, 2013 while RPM activity/interviews on June 12 and Assessment centres were allotted on June 13, 2013. A total of 170 students of NUST with CGPA 3.20 and above including business administration students who registered with PTC appeared for the test.

Short Course on Global Citizenship

A short course on "Global Citizenship" sponsored by British Council was organized at NBS from 24th to 28th June, 2013. Dr Bernadette L. Dean, former Principal Kinnauld College Lahore was the guest speaker. A total of 20 participants from different organizations and two faculty members, Ms Sana Ahmed (Lecturer) & Ms Myra Tahir Qazi (Lecturer) attended the course.

Training on computer based Project Management Software

A three-day training workshop on "Primavera P6 Software R 8.2" was organized from June 12 to 14 by Professional Development Center (PDC). The workshop was aimed at understanding computer based project management with the help of Primavera P6 R 8.2, which is an advanced level software for project management. The resource person for the training was Mr Imtiaz Ahmed, GM PDC who is a certified World Bank Trainer and has more than 15 years experience in project management.

Over a course of three days, 18 lessons on Primavera software were imparted to the participants from various public and private sectors. The training enabled the participants to learn topics including; Primavera installation process; setting preferences, navigating and creating information layouts; how to start a new project and create an EPS, WBS and project roles; how to add and assign resources, create relationships among activities and schedule activities, and various techniques for controlling project performance while generating different reports. At the end of the workshop, Principal NILE, Dr Qaiser Hameed Malik gave the closing remarks and distributed certificates among the participants.



All Karachi Debate Competition

Gehwara-e-Adab Karachi organized all Karachi Urdu Debate Competition at Sir Syed University Karachi on June 27. A total of 35 teams from different colleges and universities from all over Karachi participated in the competition. The resolution in the opinion of this house was *"Social Media Muashiray Mein Inteshaar Ka Bais"*. Syeda Umm-e-Aymon Raza Naqvi, student of Pakistan Navy Engineering College, NUST won 2nd prize in the competition.



PNEC celebrate completion of the first batch of BS (MIS) Program

PNEC started hybrid distance learning programme for Operations branch officers in 2009 for the 2007 batch. First Batch of BS(MIS) comprising 38 officers completed their degree in June 2013. In order to celebrate the completion of degree programme, a Guest Night of BS (MIS) students was held at PNEC on July 1. Vice Admiral Saiyed Khawar Ali HI(M) DCNS (T&E) was the chief guest for the occasion.

Commandant PNEC, Engr Imdad Imam Jafri, said that PNEC worked at top gear for the last six years to make this exceptional program a success. It was a unique experience for PNEC to start BS (MIS) degree in the first place and then top it up with hybrid distance learning. In the opinion of the faculty, those who have successfully gone through the course of these studies would be fairly independent in assessment of the systems in their use during the course of their duties.

He further asserted that those who had successfully gone through distance learning phase would be self-disciplined and had enough self-control to undertake complex multi task assignments independently. These officers would have knowledge of information security, operations research, management, networking, computer hard and software, programming, change management at the start of their career. PNEC and students of BS(MIS) thanked Naval Headquarters, NUST and all those whole heartedly who supported the unconventional requirements.



OBITUARY

It is to mention with grief that Lt Col (Retd) Syed Ali Imam Jafri father of Rear Admiral Syed Imdad Imam Jafri SI(M), Commandant PNEC-NUST passed away on 3 July 2013. Floral wreath from Rector and Staff of NUST Headquarters was laid. May Allah rest the departed soul in peace and we all at NUST share the grief with the Commandant PNEC.

15th Open House PNEC

Pakistan Navy Engineering College conducted an Open House/ Job fair at the end of academic session of UG programmes for the graduates of BE Mechanical, Electrical, Electronics and Industrial and Manufacturing Engineering. The event was held on June 4 at the College premises where various projects prepared by the final year students were displayed. A total of 33 industries and organizations participated in the event. It was an excellent opportunity for the giant companies to interact with the graduating students for the purpose of recruitment. They held brief sessions with the students on the basis of their final year projects, answered queries regarding the job openings and encouraged them to apply at their organisation.



NUST donates library books

NUST Library System (NLS) consists of more than 18 libraries and is accomplishing its task of reaching to wider academic community. NLS has advanced its web activity with the subscription to many high quality electronic databases being made available through campus network to faculty, students and research scholars. Similarly, more than 60,000 book (full text locally + HEC) on all subjects, 20 online international databases, 10 million articles online and 23,000 Journals/Magazines are accessible through HEC Digital Library. NLS is regularly conducting innovative Information Literacy Programs (ILP) for the benefit of students, researchers and faculty members. NUST-PNEC has a rich library with over 40000 books. Due to over use, a total of 3615 books were declared redundant over the years and the redundant books were stacked in the library. These books were sent to 41 Divisions, stationed at Quetta, Balochistan. The Division has distributed the books to libraries of different institutions and organization of Balochistan.

SADA organizes INHABIT & Open House '13

The School of Art, Design and Architecture (SADA) hosted its twin production for the very first time. An official end-of-term celebration combined in form of INHABIT for the students, instructors and SADA's guests on June 7 and an open house exhibition for the prospective students and their parents on Sunday June 9.

The first thing one may witness as he enters, is the woodcut print of the Sulaymani Masjid credited to the 2011 batch of Architecture. Hovering before it is the final Basics of Design project of the first year student, Shahzeb.

Climbing up the dimly lit staircase, aware of the music that gradually amplifies with one's steps, one reaches the second floor and stops there for a while, sets against the tones of grey, the lighting dances dimly. It has never looked so elegant before. Set in front of the colorful portraits of the Batch 2011 of Architecture is a salad and juice bar, which is clearly the center of attention. Listening to the choosy music of the night, one stands in the midst of an ambiance which is usually only experienced in a café set within an art museum. But then, this doesn't feel much different from that.

A map guides visitors to where the student work display is, along with the work of the Instructors. One comes across the interactive artwork of Ar. Zehra Aziz, which has guests making tiny boxes to a song in one long corridor. In a room completely devoid of furniture, a video loop plays short films made by SADA students themselves. At the end of this corridor is the work display of Ms. Narjis Mirza, showing the view outside an elevator. In another such empty room, is the display of Ms. Hurmat Ul Ain, which shows a huge, impactful photograph and a video that goes along with it. Ar. Rizwan has displayed his impressive portfolio in the same wing as the Post-card display of Ar. Julianne Eicke Aziz. Here, is also the work display of Principal SADA, Ar. Sikandar Ajam, has been displayed.

A live art performance takes place in the 2nd floor bathroom relating to shoes and of course, bathrooms. It is done twice to accommodate a larger audience. Cramped in the bathroom, watching the performance, renowned persons from the art and architectural field are all present to witness the glory of SADA's first INHABIT.

The salad bar is probably the biggest hit of the night. The night waltzes through, true to its promise. Everyone who is a part of the night synchronizes on how One Cubic Centimeter does Cure Ten Gloomy Sentiments.



Symposium on Innovations and Advances in Mineral Resource Exploration, Identification, Extraction, Processing and Sustainable Mining

NUST organized a 3 day symposium on Innovations and Advances in Mineral Resource Exploration, Identification, Extraction, Processing and Sustainable Mining on June 17 to 19. Dr Samar Mubarakmand, a renowned scientist, was the chief guest.

Speaking at the opening session, the keynote speaker Dr Samar Mubarakmand highlighted the significance of the Thar Coal deposits, Rekodiq and Saindak copper and gold deposits. He was of the view that the energy crisis prevalent in Pakistan could easily be overpowered through sensibly exploiting these reservoirs which may not only make Pakistan self-sufficient in their coal, copper and gold requirement rather it may soon evolve into an exporter of coal, copper and gold. He said that Pakistan had a rich soil which may take Pakistan to heights of economic prosperity provided it has the sincere policy makers. He also apprised the audience about the performance of the scientists involved in laboriously working over the Thar Coal Project. Dr Samar Mubarakmand also presented a comparative analysis of the generation capacity of Pakistan and India.

Prof Frederick Cawood, Head School of Mining Engineering University of Witwatersrand South Africa presented the symposium address in which he briefly highlighted the mineral development in Pakistan. Speaking at a lighter note he correlated the cricketing and mining terms and presented an apt correlation between cricket, a very popular game amongst both the nations, and mining process which really fascinated everyone present in the symposium.

Prof Asghar Qadir, focal person from NUST briefed on the collaboration between University of Witwatersrand South Africa and NUST while Engr Sarfaraz Ali from NUST presented the symposium briefing highlighting its aims and objectives.

Speaking at the occasion, Rector NUST Engr Muhammad Asghar, in his opening remarks spoke on the steady growth of the higher education and likewise NUST. He said that Higher Edu-



cation Commission had emerged to be a powerful institution within the last decade. Similarly National University of Sciences and Technology had also emerged to be a leading comprehensive university though it exclusively focused on sciences and technology in its earlier phases. He further said that mining had been a neglected area in Pakistan. Appreciating the efforts of all those who organized the symposium on mining, he said that it would definitely play a pivotal role in promoting mining as a discipline amongst students. Engr Muhammad Asghar extended his gratitude to all the academicians from the University of Witwatersrand South Africa for making the symposium a great success. He also thanked Dr Samar Mubarakmand for his esteemed presence and for his fruitful initiatives on the Thar Coal project.



7th ExYLeNT 2013

ExYLeNT workshop started on June 25 and continued till July 5 at SEECS . The entire exercise comprised learning the use of NXT kits and learning through trial and error.

Mr Murtazza Zaidi, CEO Cyber Vision International and a successful young entrepreneur, was invited as the chief guest on first day of exercise. A very well known psychiatrist, Professor Maudat Rana, enlightened the participants with the essence of creativity in various fields of life on the second day. Dr Ali Khayam , a scientist shared his thoughts on Day seven. Day 6 was made exciting by the presence of Dr Raza Kazmi, as he helped the students in working with snap circuits. Educational cum recreational trips to Heavy Industries Taxila and POF Ordnance Factory Wah were also arranged. Different competitions were arranged to boost up the energies and spirit of all the students. A special T-Shirt Painting competition was held for all the participants, organizers and volunteers to paint their own T-Shirts to wear on the closing ceremony.

The closing ceremony was graced with the presence of Managing Director Pakistan Television Corporation Ltd., Engineer Qazi Mustafa Kamal. Prizes of 2500 PKR each, along with honorary shield, were awarded to the proud winners of the competitions. The Group, 'Men of steel' won the race competition, while the groups, 'Alpha Rex' and 'Software engineers' took away the trophies of hill climb and somu wrestling competitions, respectively. Two other prizes to the team 'blue' and the team 'Mind Stormers' were also given on the criteria of best effort and best overall performance, respectively.



Principal/Dean CES-NUST at 5th Pakistan Oil & Gas Forum 2013

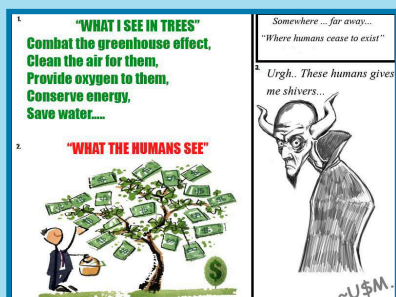
Dr Muhammad Bilal Khan, Principal/Dean, Center for Energy System, CES-NUST was invited as a panelist on 5th Pakistan Oil & Gas forum 2013 which was organized by SHAMROCK on May 30th, 2013 at the Marriott Islamabad. The main emphasis was on demanding and foreseeing political will to create an integrated Energy Ministry to build, improve and implement on a comprehensive energy policy. Large number of delegates and industry stalwarts from government, regulatory bodies, oil & gas companies, power generation sector and allied organizations, including multiple panels of experts attended the forum. The Federal Secretary of Petroleum, Abid Saeed, highlighted some of the critical issues being faced by oil & gas sector. Mr Shahid Sattar, Member Energy and Planning Commission of Pakistan stressed the need for implementation of the petroleum policy. The first session was on oil and gas policy, balancing the investment, demand and supply equation. The second session was on diversifying the energy mix, a road map towards sustainable energy solutions which focused on the opportunities that can make a difference in our current and future energy needs of the country. During the panel discussion, Dr Bilal stressed on the need for considering an Energy Mix in the country that is favorable to the prevailing circumstances. Coal/Biomass for co-generation, renewables as add-ons, good maintenance protocol for the thermal power plants, in particular operated by WAPDA, and adopt energy conservation measures both in domestic and industry sectors. He apprised the audience that the Energy Centre at NUST had recently conducted an Energy Manager Training Program in collaboration with APTMA and GIZ, which APTMA concedes is saving up to 1 MW per Mill in the textile sector.



Science blended with a tinge of humour

An online science comic competition was held by NUST Science Society. It was the second edition of Scitoons which was conceived by NSS to tease the creative spark of the public and give an interesting perspective of science combined with learning.

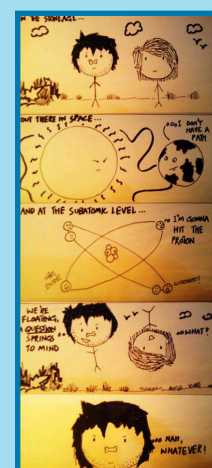
Scitoons-II was a success with quite a few entries coming up and public interest was also evident in the voting. Three fascinating themes were decided for the contest which were 'If there were no science', 'In a Parallel Universe' and 'Technology like it would be in 2050'. The genre was humour/satire. The judges for the contest were Gogi Studios and The Desis. The first prize went to Syed Ayaz's comic on the theme "If there were no science". The Second prize was won by Aisha Noor's comic on the same theme. And the third prize went to Usman Moazzam's comic on the theme "In a Parallel Universe".



3rd



1st



2nd

CES -NUST Conducts Energy Manager Training Program for Industry Professionals

Center for Energy Systems (CES) NUST conducted a three day energy manager training workshop in collaboration with GIZ & APTMA in KPK from May 2 to 4. Main focus of the training course was to increase the energy awareness for the textile sector of Pakistan especially in KPK province to conserve and efficiently use energy in the textile industries.

The training course emphasized on the energy conservation and energy efficiency in mechanical, electrical and chemical equipment which are commonly used by the textile industries. The trainers elaborated the participants about the best practices from theoretical and practical point of view to enhance the energy production capabilities within the textile sector. The importance of ISO 50001 certification, which is related to energy conservation and efficiency was also highlighted during the training session.

The primary take away from the current training was to grab the low hanging fruit and help the textile industries in reducing their specific energy consumption by implementing waste heat recovery, and energy conservation measures in the following regimes:

Steam generation/distribution, cogeneration, illumination, economizers, HVAC systems, transformers, PFI panels, electric motors, variable speed drives, compressors, pumps, furnaces, cooling towers and ISO 50001 standards were all addressed from the energy management view point. The trainers including Dr Adeel Waqas, CES-NUST, Mr Shahid Hussain Ansari, CES-NUST, Engr Abdul Rehman, CES-NUST, Dr Ali Mehmud, Member Energy Sector CAC, Ex Chief Nokia Pakistan, Professor Ahmad Sohail, CEME-NUST participated on behalf of NUST.

APTMA concedes that the subject training has a direct impact on the industry and so far implemented the same in 40 out of the 374 member Mills with phenomenal success in the energy savings to the tune of 1.0 MW per Mill, a low hanging fruit. Its advantage needs to be extended to other industries. GIZ expressed their keen interest to sponsor all future energy manager workshops and extend the training to other industrial sectors with master trainers from NUST. CES will soon conduct one at NUST bringing modern instrumentation and alternate energy resources in its fold for which one hour additional segment has already been prepared for joint offering with NI Instruments USA.



THE NUSTIAN-2013

Students and Faculty of all the campuses of NUST are requested to send their essays, poems and caricatures for inclusion in the current issue of the magazine.

It is a bilingual annual issue of the University. Contribute in the language of your choice (Urdu, English)
First come, first served.

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Mail your contributions to the
DD Student Affairs, Ehsan-ul-Haq,
SA Dte, NUST, Sector H-12, Islamabad.

NICE Open House and Job Fair

NUST Institute of Civil Engineering (NICE) organized Open House and Job Fair for its undergraduate class of 2009 batch. The main objective of organizing this event was to showcase the final year projects of the graduating students before the industry and to provide an opportunity for the industrial experts to interact first hand with the young engineers in order to facilitate the hiring process.

The event was attended by industrial experts including senior engineers and executives from both public and private sector. Numerous projects from various sectors including automotive, robotics, renewable energy, manufacturing, were displayed by the students. The visiting industrialists greatly appreciated the high degree of innovation demonstrated by the displayed projects.



In his remarks on the occasion, Principal SCEE Dr Muhammad Nasrullah Khan appreciated the efforts of the students and urged all the industry leaders and chief executives of various organizations to try the graduates of the school who have been groomed to meet the expectations of the high paced technological world of the 21st century.

Speaking on the occasion, chief guest Pro-Rector NUST, Dr Asif Raza deeply appreciated the efforts of the students and also praised the faculty and administration of the school for delivering high quality engineers to the industry.



“Yesterday I was clever, so I wanted to change the
world. Today I am wise so I am changing myself.”

Maulana Jalal-ud-Din Rumi



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