

BI-MONTHLY

NUST News

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NUSTNews is a bi-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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462 pass out at UG convocations

Military College of Engineering (MCE)

The 22nd undergraduate convocation ceremony of Military College of Engineering was held on October 23, 2014, to award degrees of Bachelors of Civil Engineering to the successful students of Officers Degree Course 74 and Cadets Engineering Degree Course 75. Rector NUST Engr Moham-mad Asghar graced this auspicious occasion as chief guest. As many as 114 students were conferred bachelors degrees in the discipline of Civil Engineering.

Distinguished guests including Lieutenant General Khalid Asghar, HI (M), Engineer-in- Chief, Pakistan Army and Brigadier Shams Ul Munir Khan, Acting / Director General Engineers

were also present at the occasion.

The President's Gold Medal for being overall best student and Chief of the Army Staff's Gold Medal for being best military student in academics were awarded to Captain Muhammad Hamza Ameen. Rector's Gold Medal for best project and Engineer-in-Chief's Silver Medal for being 2nd best student in academics were awarded to Gentleman Cadet Abdul Rehman Tahir.

In his convocation address, Rector NUST Engineer Muhammad Asghar congratulated the students for successful completion of their degree.



School of Electrical Engineering and Computer Science (SEECs)

For the lucky 284 graduates of the year 2014, the entire administration as well as student council of SEECs had been hard at work for months organizing the Convocation Ceremony, meticulously planning each and every aspect of the ceremony down to the minutest of details. The event was to happen within the grand auditorium of the Center for International Peace and Stability (CIPS) on 30th October 2014. The chief guest for the event was Mr. Almas Haider, Chairman of Synthetic Products Enterprises and a visionary individual of his field.

The first order of business was an inaugural speech by the respected principal SEECs Dr. Arshad Ali. This was followed by another motivational speech by Rector NUST Engr. Muhammad Asghar. Both individuals lauded the spirit and determination of the graduating students, expressed their complete satisfaction with their performance over the years, and wished them all success in their future lives.

It was then finally time to confer the degrees to the graduates. Chief Guest Mr. Almas Haider awarded degrees, as the graduates took to the stage one by one with zealous smiles and enthusiasm. Once all the degrees were distributed, it was time to recognize the award winners. No doubt everyone present in the auditorium had surpassed monumental challenges to be able to hold their degrees, but some among them shined even brighter. Their excellence and hard work was handsomely rewarded with an array of awards. At the helm of this was the President's Gold

Medal, conferred to only five of the highest achievers of the entire batch. Second was the Chancellor's Silver Medal, followed by the Rector's Gold Medal, both of which were also given to a select few of the brightest graduates. Once all the awards had been distributed, Mr. Almas Haider delivered his closing speech. He extended his heartiest felicitations to the graduates and expressed his hope that Pakistan would one day prosper because of the ingenuity of the younger generation and the individuals seated in front of him. With that,



the ceremony drew to a close. Everyone was then escorted outside where the official photographs were taken; everyone proudly showing off their well-deserved, elegant gowns, eager to be a part of photographs which would immortalize memories which they would cherish for years to come.



College of Aeronautical Engineering (CAE)



The convocation ceremony of College of Aeronautical Engineering, NUST, was held on September 11, 2014, at the academy auditorium. Present on the auspicious ceremony were Rector NUST Engineer Muhammad Asghar, Air Officer Commanding PAF Academy Risalpur (Air Vice Marshal Aasim Zaheer SI (M) T Bt), Commandant CAE (Air Commodore Abdul Munem Khan) and other distinguished guests.

A total of 64 graduating students including 39 from PAF, 4 from Pak Army, 4 from Pak Navy, 8 from NUST and 5 self finance scheme cadets were awarded degrees at the convocation ceremony. The Rector also gave away President's Gold Medals, Rector's Gold Medals, and certificates of merit to brilliant students for excelling in their respective fields. NUST

Cadet Qasim Manzoor earned Merit Certificate for Best Aerospace Vehicle Design. Merit Certificate for Best Avionics Design was awarded to Pilot Officer Ali Hanif, who designed a suite for a 'Strategic Bomber.' Rector's Gold Medals were awarded to NUST Cadet Usama Ahmed and Pilot Officer Abdul Hannan respectively. While the students securing first positions in both Aerospace and Avionics departments were awarded with President's Gold Medal. In Aerospace Engineering, Pilot Officer Rana Sufian Babar and in Avionics Engineering Pilot Officer Ali Hanif earned the distinctions and were awarded with President's Gold Medal. The ceremony culminated with good tidings and hope for a better tomorrow, both for the new graduates and the faculty of CAE.

Rector NUST elected to The Talloires Network's steering committee



In a lately concluded poll, Rector NUST Engr. Muhammad Asghar has been elected to The Talloires Network's Steering Committee. Leaders of 63 institutions from across 19 countries cast ballots and elected him for a three-year term starting January 1, 2015. Voting deadline was 12th November, 2014.

The nominations committee chaired by Steering Committee Vice-Chair Janice Ried, nominated eight candidates based on their capabilities and services, for four to be then elected from amongst them. The nominees included Ernest Aryeetey (Vice-Chancellor, University of Ghana), Sara Ladrón de Guevara (Rector, Universidad Veracruzana, Mexico), Lorraine McIlrath (Founding Director, Campus Engage; Project Coordinator, Community Knowledge Ini-

tiative, National University of Ireland, Galway), Andrew Petter (President and Vice-Chancellor, Simon Fraser University, Canada), Ignacio Sánchez (Rector, Pontificia Universidad Católica de Chile), Andrew Vann (Vice-Chancellor, Charles Sturt University, Australia), David Watson (Principal, Green Templeton College, University of Oxford, United Kingdom) and Engr. Muhammad Asghar (Rector NUST).

A renowned leader in higher education, now being part of the TN Steering Committee, Mr. Muhammad Asghar would contribute his vision and experience in the global higher education civic engagement and social responsibility movement to guiding the Talloires Network for a three-year term (January 1, 2015 – December 31, 2017).

Relief efforts for North Waziristan IDPs enter third phase

In the month of October, NUST's relief efforts for the Internally Displaced Persons entered the third phase when Col. Mehmood, who is a Wazir himself and hails from Bannu, identified a few IDPs dwelling in Swat. On his advice and that of MCS alumnus Mr. Mansoor, currently working at Ufone, a truckload of dry ration (including flour, rice, tea, sugar, pulses, oil, salt, tea etc) bought from Multan was transported to Swat on Oct 24.

On the subsequent day, a team of six members from NUST Community Service Club accompanied by Mr. Mansoor himself and Lt Col Tariq (52 Signals) followed the ration items sent to Swat. On arrival, the civil administration in Swat briefed them about the problems being faced by the IDPs. After the briefing, NUST team distributed the food items among the 86 affected families assembled by DCO Swat.

The event was possible courtesy the untiring efforts of NUST alumni, the NUST administration and NUST Community Service Club.

It is pertinent to mention here that the NUST Administration together with NUST Community Service Club (NCSC) had started a robust fund raising campaign in July 2014 for the people who had to leave their homes as a result of 'Operation Zarb-e-Azb' launched by the Pakistan Army to root out terrorist ele-



ments harbouring in North Waziristan. The massive donation drive received generous contributions from both the NUST administration and the University's alumni whereas the NUST employees and faculty donated their one day salary amounting to Rs 3.5 million; the University's alumni contributed Rs 150,000, while the NCSC collected Rs 1,450,000. During the first phase of relief efforts 22 families taking refuge in Government Degree College Landi Jhalandar, District Bannu were looked after; the problem of insufficient water was resolved; sports equipment and Eid gifts were distributed among fami-

lies and a cheque worth Rs 3.5 million was presented to Brig. Aftab Comd 475 Engrs Bde Gp/45. In Phase-2, NUST distributed a set of pedestal fans, tents and floor mats among those affected families who had to leave college premises with the commencement of classes. Medicines worth approximately Rs 1.35 million received from different donors were also dropped off at Rural Community Hospital, District Dhomail, Bannu.

NUST administration as well as the University's Community Service Club will continue extending support to the affectees till their proper rehabilitation.



TalLee makes it to GEW 50 2014



TalLee, a startup founded by School of Social Sciences and Humanities' student Rafi Imran Amjad, has been selected as one of the top 50 startups of the world in the GEW 50 2014 list. Each year, the Global Entrepreneurship Week recognizes the Top 50 ventures from around the world in the 'GEW 50.' This year more than 600 startups from 38 countries competed for the GEW 50, however, startups from only 24 countries were selected, Pakistan being one. TalLee holds the prestige of being the only company from Pakistan to be selected for the GEW 50 2014.

TalLee produces GSM-based doorbells, which when pressed, connect the person at one's doorstep to their cellphone through a call. It enables one to receive a call irrespective of their location. The TalLee bell can be ordered at www.talleebell.com.

Rafi founded the company in April 2014 after winning the Top Innovator Award at Google's Islamabad Startup Weekend, following which he was offered incubation space at TIC. In August 2014, he also represented the company as a Delegate of Entrepreneurship at the Harvard Project for Asian and International Relations (HPAIR) in Tokyo, Japan. Rafi is currently a final-year student of Mass Communication at S³H.

NUST included in UK NARIC database



In a recent development, NUST has been recognized as an educational institution / university by the UK's National Recognition Information Centre (NARIC) by including the University in its database. NARIC provides services for individuals and organizations advising on comparisons of international qualifications against the UK qualification framework levels.

NUST has also been recognized as a higher education institution, teaching programmes in English. This information can be of particular interest and benefit for the NUST graduates looking for jobs and admissions in UK.

Telenor Youth Summit

The winners of Telenor Youth Summit 2015 were announced at a grand ceremony held at a local hotel in Islamabad. One of the winners is Syed Maaz Imran from BEE4, on the basis of his idea 'eTuitionHub.' He will be attending TYS2015 in December, and will also attend the prestigious Nobel Peace Prize Ceremony.



Model-based insights into Sepsis

Sepsis, a major disease in human beings, caused by the complication of an infection results in a significant number of deaths every year. Recently, a study 'Formal Modelling of Toll like Receptor 4 and JAK/STAT Signaling Pathways' was published in PLoS ONE through the collaborative effort of the groups supervised by Dr. Jamil Ahmad, RCMS, NUST and Dr. Amjad Ali, ASAB, NUST. This study employed a model-checking based verification of the dynamics of immune signaling. They reported that the down regulation of proinflammatory cytokines by SOCS-1 is desirable to boost the immunity. Moreover, interventions either in signaling events such



as in TLR4 or transcriptional elements such as NFκB and STAT have been implicated as effective in the down regulation of immune responses.

Second Turkey-Pakistan Workshop on Municipal Services Management

Center for Waste Management (CWM) was established in January 2013 at Institute of Environmental Science and Engineering, through collaboration between IESE NUST and Aqwadem Academy, Turkey. The main aim of this center is to increase capacity of local stakeholders in Pakistan through cooperation with experts around the globe. The center conducted its '1st Turkey-Pakistan Workshop on Municipal Services Management' in August 2013 at NUST, Islamabad.

Second in this workshop series, '2nd Turkey-Pakistan Workshop on Municipal Services Management' was conducted between 19-23 October in Lahore and Islamabad. CWM partnered with Punjab Urban Unit (UU) Lahore to conduct it. A session about wastewater was conducted at Faletti's Hotel on 21 October while session about Solid Waste Management was conducted on 22 October at IESE NUST, Islamabad.

Representatives from Metropolitan Municipality Konya, Turkey and Konya Water and Sanitation Authority (KO-SKI) attended the workshop. Successful Public Private Partnership (PPP) models

were discussed at the session on 22 October at NUST. Konya Metropolitan Municipality representative shared experiences in this regard. In order to further elaborate the issue a two-day training about the issue was conducted on 25-26 October at NUST.

Center for Waste Management (CWM) at IESE intends facilitating further cooperation between Turkish and Pakistani authorities in future as well.



British Council, Education UK organize Career Counsellor's Symposium

A two-day career counsellor symposium was arranged at PIFD, Lahore by the British Council and the Education UK from 17th to 18th September 2014. Counsellors from all across the country were invited to attend it. Training sessions were conducted to train counsellors on how to deal with the challenges in the field. Six students from Center of Counselling and Career Advisory (C³A) participated in the symposium.

The training included Roadmap to Success, Subject Selection and Higher Education, Student Life in the UK and Role of ICT in education etc.

The symposium gave the students a chance to meet professionals and develop networks with them. This eventually has helped them in one of the courses titled 'Developing Community Networks.'



Session on 'Cartooning Leading to Animation'

NUST School of Electrical Engineering and Computer Sciences (SEECs) hosted the renowned Ms. Nigar Nazar of Gogi Studios for a session on 'Cartooning leading to Animation' on Monday 15th September. The seminar was conducted in two sessions in which she tried to inculcate the idea of cartooning in students. She was of the view that creativity provided relaxation which was necessary for engineers and doctors as they had hectic routines. She was very encouraging and showed students how animations could create positive impacts on society. Ms. Nigar has the singular honour of being the first Pakistani female cartoonist and is a recipient of Mohtarma Fatima Jinnah Award.



Team SCME shine at GIMUN 14

School of Chemical and Materials Engineering's Model United Nations team has made a new record at the recently concluded GIMUN 14. The team of 10 students participated in GIMUN 14 and brought laurels to NUST. GIMUN is the largest event of Ghulam Ishaq Khan Institute of Engineering Sciences and Technology-GIKI. The event attracts participants from all over Pakistan. The SCME team competed with experienced students and proved their potential using their wit and intelligence. Ali Shujaat, Zohan Tariq and Ahmed Kazim received Best Delegates Awards whereas the rest of the team members bagged honorary mentions. Hassan Nadeem, student of Chemical Engineering, Batch 05 at SCME was the coach and committee director at GIMUN. The team was also honored with the best delegation shield.



The students presented their shield to Principal SCME, Dr. Muhammad Mujahid. The principal appreciated their hard work and talent encouraging them to participate in future UN conferences, in Pakistan and around the world.

SCME's high achievers win scholarships

SCME organized an award ceremony on 21st October 2014, to honour its brilliant students who made it to the Dean's List by achieving a GPA of 3.5 or above in the Spring Semester 2014.

43 students who worked incessantly throughout their semester were awarded scholarships by Principal SCME, Dr. Muhammad Mujahid in front of students and faculty who appreciated their achievements with a huge applause.



Commencement of MS Structural Engineering Programme - MCE

Military College of Engineering, Risalpur has inducted the first batch of students for MS Structural Engineering from Fall Semester 2014. The minimum duration of this Masters programme is 2 years. Students have to complete 30 credit hours of course work and research in order to qualify for MS Structural Engineering degree. This programme is being run under the Structural Engineering Department of Civil Engineering Wing headed by Dr. Muhammad Maqbool Sadiq. Efforts are also underway to start Masters Programmes in other core disciplines of civil engineering.

Books, journals donated to ASAB library

Atta-ur-Rahman School of Applied Bioscience (ASAB) has received a generous donation of 43 important books and over 700 journals from Dr M Osman Yusuf. The benefactor is a well-known consultant in allergy and asthma and clinical immunology and currently holds numerous positions including the Presidency of Pakistan Society of Allergy, Asthma and Immunology. The books are mainly related to immunology and are a significant contribution to the school.

Principal SCEE addresses new entrants

Principal SCEE Dr Tariq Mahmood addressed the new entrants at SCEE seminar hall on September 24, 2014. Addressing the newcomers from NICE, IESE and IGIS, he said that the school, over the years, had retained excellence in academic and co-curricular activities. It is for this reason that the School's graduates readily get jobs in renowned national and international organizations, and so have they brought a good name to their alma mater.



International Seminar on Advances in Concrete Technology and Applications

School of Civil and Environmental Engineering organized a one-day seminar on 'issues and applications of modern concrete technology.'

Held on September 30 at SCEE seminar hall, the seminar aimed at creating awareness among practicing engineers and scientists of Pakistan regarding recent development in concrete science and technology. Twelve speakers, including Prof. Dr-Ing Thomas from Germany, Dr. Nasir Amin from KSA and local researchers shared their findings with the audience through their lectures. The seminar attracted a large number

of participants from all dimensions of civil engineers serving in the State-run organizations including FWO, NLC, Pakistan Railways, WAPDA, and Irrigation etc. Other than this the students and representatives of Pakistan cement Industry also took active participation in the seminar. The chief guest of the Seminar, Dr. Tariq Mahmood, Principal SCEE, expressed his views on effectiveness of such seminars and stressed on research-based interaction between technical universities and industry on regular basis.



Disaster Preparedness and Response Workshop

NUST Community Service CSL-401 course participants attended the second workshop of the course titled Disaster Preparedness and Response on September 16 and 18 at SMME seminar hall and NBS seminar hall respectively.

It was a highly informative workshop covering all the aspects of disaster management. The workshop started with basic

definitions of the relevant terminologies associated with disaster response and preparation. Earthquakes and floods were the two disasters focused on by the instructor Dr. Syed Irtiza Ali Shah.

In the second session of the workshop, the students were shown a video of the Operation *Labbaik* carried out by the army rescuing and helping the flood affected people. Towards the end the instructor allowed questions. A delegation from Bahria University and NUML University, Islamabad also attended the workshop.



Int'l workshop on 'Capacity Building of Community Elders and Media towards Flood Vigilance and Disaster Reporting'



A two-day international training workshop on 'Capacity Building of Community Elders and Media towards Flood Vigilance and Disaster Reporting' was organized on Sep 25-26 by NUST Institute of Civil Engineering (NICE), School of Civil and Environmental Engineering (SCEE) in collaboration with UNESCO, NDMA, PMD, FFC, SUPARCO and other partner organizations. The purpose of the workshop was to impart training to the participants that would assist in vulnerability reduction of communities living in the remote flood plains, creating awareness in people towards their role during preparation, response and recovery processes of a disaster, understand the role of communication and information in effective dissemination of flood forecasts and warnings and management under all three tiers of flood management system.

CSP Learn and Teach Robotics 2.0 Workshop

Computer Society of Pakistan (CSP) –SECS Chapter had the privilege to conduct a workshop of its own grandeur: Robotics and Lego Mind storms. Approved and headed by Dr. Sohaib Iqbal and organized by the Executive Council, the workshop was conducted, on September 27-28.

A total of 15 teams participated in the workshop with each team consisting of two members. During the course of the

two-day activity, students learnt and participated with immense zeal and zest and gave the best of their abilities. On the first day, students were introduced to the Robotics as a field and the main purpose of the event was explained by Dr. Sohaib Iqbal, who is a PhD in Robotics. On the second day, students were introduced to three types of competitions: Speed Racing, Line Tracking and Sumo Wrestling. The competition was held in SECS UG and PG Blocks. All through the workshop, members of the Executive Council assisted the students in technical matters and played a great role in making this workshop work successful.



Seminar on Media and Mental Health



Department of Behavioral Sciences, School of Social Sciences, organized a seminar on October 29 to celebrate Mental Health Day. The title of the seminar was 'Media and Mental Health.' To encompass the role of media on mental health a variety of segments were included in this two and a half hour programme. Dr. Tamkeen Ashraf Ma-

lik, Dr. Salma Siddiqui and Dr. Ashfaq Hassan Khan shared their thoughts about the subject matter and expressed gratitude to audience and speakers for becoming part of effort to raise awareness about role of media in mental health. Engineer Muhammad Asghar, Rector NUST, also addressed the audience with his concluding remarks.

Seminar on Advances in Automated Karyotyping at ASAB

A one-day seminar on advances in automated karyotyping was hosted by the Atta-ur-Rahman School of Applied Biosciences (ASAB), NUST on October 16. The event was sponsored by Penicon technologies. The main focus of the seminar was on the current trends and progresses made in karyotyping - a test to examine chromosomes in a sample of cells. The speaker, Mr. Jamal Maaz, is working for Applied Spectral Imaging (ASI) in USA and is certified in all ASI cytogenetic and pathology imaging and data management systems.



C Programming Workshop

IEEE, SEECs conducted a C programming workshop in the Shirazi and Farabi Labs, SEECs with mostly the students of new batch attending the session, on October 13-15. About a hundred students of the freshman batch participated and the workshop was formally started by the event managers of the IEEE Executive Body who briefed about the highlights of the three-day session and also introduced the instructors. The workshop mainly focused on the basics of programming; introduction to the course, general information, functions, and loops.



SCME hosts Workshop on Organic and Inorganic Semiconductor Devices

A three-day workshop titled 'Organic and Inorganic Semiconductor devices' was held at School of Chemical and Materials Engineering from October 27-29. The workshop was organized by the focal person SCME, Dr. Shahzad Hussain in collaboration with Higher Education Commission (HEC) and National Institute of Lasers and Optronics (NILOP) Nilore, Islamabad. The workshop was attended by UG, MS and PhD students from diverse fields.

The aim of the workshop was to spark interaction between scientists and engineers working in areas of semiconductor materials and devices.



Using ICT to enhance teacher's pedagogical skills

A three-day conference was organized by UNESCO in collaboration with SEecs, starting September 13, at the school's seminar hall. Dr. Salma Siddiqui, gave an introduction to the

conference and explained that the purpose of this conference was to create an understanding about the nature of barriers commonly faced by a student in school and how effective strategies involving use of ICT could be developed to overcome those barriers. Following this, the chief guest Talat Khurshid addressed the participants.



Seminar on Stress Management - CEME

NUST Volunteer Club (NVC) from College of Electrical and Mechanical Engineering invited experts from Centre for Counselling and Career Advisory to conduct a seminar on stress management on Oct 24. The seminar was arranged for students who go through constant stress due to academic pressure, adjustment issues and constant worries for future plans. The seminar focused on the definition of stress, its causes and effects on human body as well as, some skills and strategies on managing stress in a healthy way. A large number of students attended the seminar and found it informative.



Energy Manager Training Programme

In order to address energy related challenges of the country, CAS-EN is organizing workshops, trainings and conferences that would provide immediate to short-term energy conservation solutions to energy guzzler industrial units. Having said that CAS-EN took lead working with international donors, industry collaborators to name a few including USAID, GIZ Germany, APTMA, SMEDA and others to play a proactive role by organizing six-day Energy Management Training (EMT) workshop promoting energy STAR rating concepts. Twenty-eight Industry delegates participated in the workshop at Faisalabad. Effective solutions were introduced by Dr. Koerber an energy efficient expert from Germany. At the end of the workshop, feedback from wide spectrum of Industry delegates was crisp and clear that working harder is not the way forward but working smarter is only way forward in this competitive era and time.



Orientation of Batch-2014 students at RCMS

For new batches of students joining RCMS in Computational Science and Engineering (CSE) and Systems Engineering (SE) programmes, a three-day orientation programme was organized from Sep 10-12. Visits to various NUST schools were arranged to familiarize new students with NUST campus and to foster their interest in collaborative research. The students also attended a two-day seminar during which RCMS' faculty presented their respective areas of research/specialization to guide and facilitate the students in selecting their specializations during their respective MS programmes at RCMS.



Seminar on perks of IEEE membership

IEEE SEECS Executive Council arranged a seminar on the perks of the international membership and to ward off any confusions or misgivings. The seminar took place at the RIMMS seminar hall on October 01. Awais Shafique, Chair Events, discussed the benefits as afforded by IEEE.



Guest Lectures

‘Structural and biochemical analysis of eukaryotic mRNA degradation’

Dr Humayun Sharif delivered a lecture on ‘Structural and biochemical analysis of eukaryotic mRNA degradation’ at RCMS on October 28. Dr. Sharif is a post-doctoral research fellow at Prof. Micheal Eck’s lab affiliated with Harvard Medical School. RCMS faculty discussed and shared projects of mutual research interest with Dr. Sharif in the field of drug discovery during his visit at RCMS to further expand the already existing collaboration.



Dr Humayun Sharif

‘Parliamentary democracy’

A lecture on ‘Parliamentary democracy’ was arranged on October 01 at NIT Auditorium for the 2013 Civil Engineering Batch of NUST Institute of Civil Engineering (NICE), SCEE. The guest speaker for the occasion was Dr Shoaib, HoD at Foundation University.



Dr. Shoaib Ahmed

‘Hydropower Potential in Pakistan’

Engr. Munawar Iqbal delivered a lecture on ‘Hydropower Potential of Pakistan,’ to the undergraduate students of Civil Engineering. He talked about the specific provisions for hydel-power projects, feasibility studies and hydrological risk involved in such projects, and public-private partnership. He also gave an overview of power generation expansion plan in Pakistan.



Mr Munawar Iqbal

‘Contours of Scientific Knowledge at the Dawn of 3rd Millennium’

Dr Gulfaraz Ahmed, Consultant Research and Development with Mari Petroleum Company Ltd visited Military College of Engineering (MCE) on October 02 to deliver a lecture on ‘Contours of Scientific Knowledge at the Dawn of 3rd Millennium.’ The dean, faculty members and students of the College attended the lecture. Dr Gulfaraz Ahmed is an alumnus of MCE, and completed Civil Engineering Honors Class from MCE with Gold Medal and also taught at MCE for three years.



Dr Gulfaraz Ahmed

NUST Volunteers Club donates books for NUST school, Bhakkar

A team of NUST Volunteers Club, College of Electrical and Mechanical Engineering (NUST) have recently collected some good number of books from primary to intermediate level through their fund-raising Books' Sale from Sep 24 to Oct 1.

NUST Volunteers Club donated those books to set up a library at NUST Girls Primary School Darya Khan, Bhakkar. The president of NVC Muhammad Waqas with his team handed over those books to Director Administration Mr Arif Mahmud Siddiqui on Oct 29 2014.



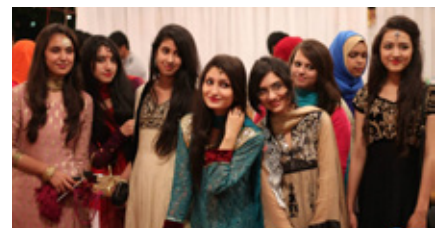
'The Book Thief' screened on movie night

NUST Book Club organized a movie night on October 23 at the NBS seminar hall as a starter for the society members as well as non-members. A huge box-office success, 'The Book Thief' was screened due to its outstanding reviews and popularity among the moviegoers.



SCME welcomes Batch 07

SCME Batch 06 warmly welcomed the freshmen of Batch 07 on October 24, with a colorful welcome party that was energetically attended by the students. Principal SCME Dr. Muhammad Mujahid and all other faculty members graced the evening with their esteemed presence.



E-Gaming Week -ACM

A number of students of NUST got attracted as ACM SEECS Chapter arranged an event titled E-Gaming Week on November 29. The games included in this event were: FIFA, Counter Strike and Need for Speed.



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

The
NUSTIAN
2014

Khanpur Dam cleanup drive - 2014

An awareness-cum-excursion trip to Khanpur Dam was organized on September 28 by NUST Environment Club, specifically for its executive body. The entourage of executives left the NUST H-12 campus accompanied by Dr. Arshad, the faculty advisor of NEC. There were approximately 40 executives on board hailing from different departments of NUST. The main purpose of this trip was to clean up the area surrounding the dam and create awareness among the locals and the tourists present there about the proper disposal of trash.



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ACM-W inauguration ceremony

Association of Computing Machinery – Women Wing, inaugurated on October 16 at SEECS by Nigar Nazar, aims to provide a platform to women on which not only can they test and polish their existing skills and train themselves at new ones but also explore innumerable opportunities in taking up a career in computing.

Ms. Nigar Nazar, CEO of the Gogi Studios and the first female cartoonist of Pakistan, was chief guest at the inaugural ceremony where she talked about her own experience with technology and how it helped her excel in her field. She showed the audience her work (digitized comics, animations, greeting cards with her famous Gogi character on them etc.) as a way to make us appreciate how much further than a drawing sheet an artist can go by using modern technology. She said that as an artist is no longer confined to the constraints of their easel and paint brush, same goes for all the other professions; all due to technology.

Week of Welcome - SEECs

ACM day for the Week of Welcome was chosen to be held on September 10. It was organized in collaboration with 'Google at NUST' and 'Capital Delights.' It was a fun activity interacting with the new students who were highly passionate about SEECs.



SNS students hike Toli Pir

SNS organized a one-day recreational trip for all UG batches to Toli Pir, Kashmir on September 27. Four mini-coasters took a total of hundred students along with three faculty members to the picturesque valley. The trip was organized by the SNS student council, which did a great job.



SNS organizes ice-breaker for freshmen

Held on September 25 at School of Natural Sciences (SNS), the mini carnival dubbed as the ice breaker was organized by the sophomores for the newly inducted students. The objective of the recreational event was to give the new batch a colourful first memory in the university and to encourage participation among the four batches.



23rd All Pakistan Bilingual Declamation Contest - PNEC

Cadet College Petaro, Jamshoro (Sindh) organized 23rd All Pakistan Bilingual Declamation Contest at Cadet College Petaro on October 25. Twenty four teams from all over Pakistan participated in the contest. NUST-PNEC team. S/Lt Talha Malik PN won 1st prize in English Category and S/Lt Shoaib Afzal PN won 3rd prize in Urdu Category. NUST-PNEC won over all Runners-up Trophy.



Pic-A-Booth - NMC

Students around NUST were seen posing for high resolution cameras placed in front of differently themed backdrops, throughout the second week of the semester, starting 15th September, 2014. NUST Media Club organized this five-day event namely Pic-A-Booth, proceeding to different schools of H-12 each day to get group and individual photos taken. This event was particularly designed as an ice-breaker for the freshman batch. NUST Media Club synchronized the event with their annual membership drive to give the students an opportunity to become members of one of NUST's leading central society.



Central societies' membership drives

NUST comprises 15 central societies, consisting of core members from various schools of NUST H-12. The common areas within the university campus such as Concordia 1 and Concordia 2 were recently full of hanging flexes and posters, marketing the annual membership drive along with incentives for new members that shall be recruited within each

society. NUST Literary Circle, NUST Adventure Club, NUST Science Society, NUST Media Club, NUST Community Services Club and NUST Bazm-e-Pakistan representatives were seen moving around the campus with membership forms, convincing students why they should join the particular society.

SADA faculty excels at LUMS Aquatic Center Design Competition

Lahore University of Management Sciences (LUMS) required an aquatic center on-campus with a FINA standard 25m(08 Lanes) swimming pool as a core requirement to cater for swimming, water polo and other aquatic sports. For this purpose they approached Pakistan Council of Architects and Town Planners (PCATP) to organize a nation-wide competition, inviting design firms to submit their proposals. One proposal would then be chosen by a jury of architects in collaboration with LUMS to select the best design for implementation at site. PCATP received 23 applications from architects/ firms and 11 were shortlisted by the Jury to take part in the design competition. Out of 11 contestants 06 architects submitted their designs having the deadline of Sep-



tember 05, 2014.

The results of the competition were announced on the 9th of September and Architects' Bureau (core team: Ar. Abdul Qayyum Khan, Ar. Ali Khan (a faculty member at NUST School of Art and Architecture) and Ar. Saba Shaykh) was declared the winner.

SPORTS

Shahram Changezi – a promising NUST sportsman

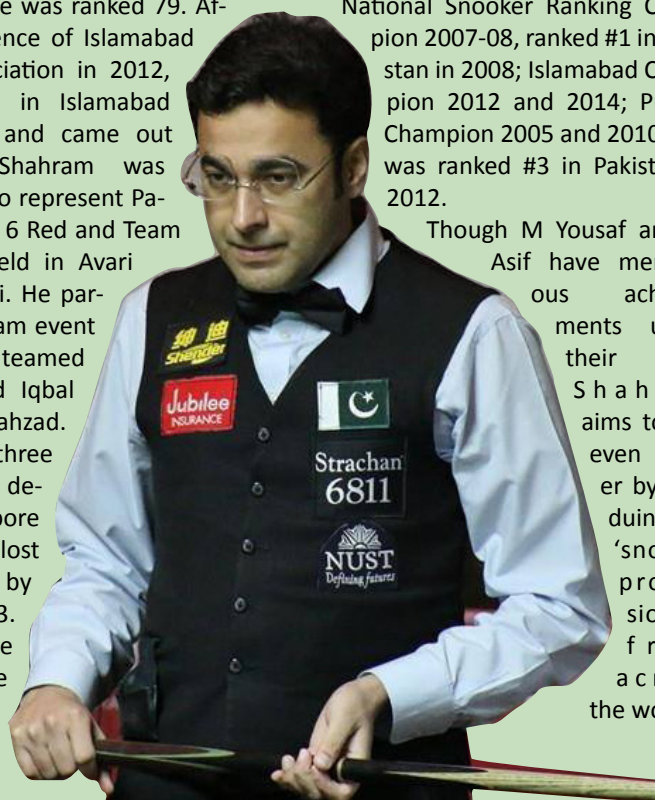
Shahram Changezi, an officer at the Administration Dte of NUST, was born on April 03, 1983. He started playing snooker at the age of 14 in a local snooker parlor in Islamabad. Just after two years, he was awarded 'Best Player of Punjab Award.' In the following years (2000-2004) Shahram, however, had to give a break to snooker due to education and other domestic reasons. He then resumed playing in 2005 and became Punjab Champion, hence qualified for National Rankings. He won first National Ranking Title in 2007 defeating ex-world champion Muhammad Yousaf. Furthering his success story in 2008, he became National Ranking Champion defeating Muhammad Yousaf in quarterfinal and Naveen Perwani in the final. Again due to education, he did not participate in any event in 2009. Downgraded to provincial level, he participated in Punjab Cup in order to qualify for National Rankings. He became Punjab Champion with exceptional margins and rejoined National Rankings. Being among top players of Pakistan, he was selected for Asian Games 2010 China where he won Bronze Medal in

snooker team event. Receiving warm welcome and cash award by the Prime Minister of Pakistan, he pursued for the next level snooker and went to the UK where he became the only Pakistani to have been enlisted in PTC Top 100 Merit List as he was ranked 79. After the emergence of Islamabad Snooker Association in 2012, he took part in Islamabad Snooker Cup and came out victoriously. Shahram was also selected to represent Pakistan in Asian 6 Red and Team Event 2014 held in Avari Towers Karachi. He participated in team event only. He was teamed up with Asjad Iqbal and Sohail Shahzad. They played three matches and defeated Singapore by 3-2 and lost against Iran by 2 frames to 3. Shahram wore NUST Signature during the whole event,

which was telecasted live on GEO Super.

Shahram's achievements include Bronze Medal in Asian Games, Guangzhou China, 2010; the only Pakistani in PTC Order of Merit (top100), UK 2011; National Snooker Ranking Champion 2007-08, ranked #1 in Pakistan in 2008; Islamabad Champion 2012 and 2014; Punjab Champion 2005 and 2010; and was ranked #3 in Pakistan in 2012.

Though M Yousaf and M Asif have meritorious achievements under their belts, Shahram aims to rise even higher by subduing the 'snooker professionals' from across the world.



Sara Mansoor: a top-seeded player of Pakistan

Sara Mansoor, a student of Mass Communication, NBS, is a top-seeded tennis player of Pakistan. She was selected to represent Pakistan Tennis team in 17th Asian Games Incheon, Korea from Sep 18 to Oct 01. She played in women's single and doubles paired with Ushana Suhail. She fought well against the formidable opponents but fell a little short of winning the titles. Brimming with positive intent, Sara is fully poised to make Pakistan proud in the sport.

NBS golfer participates in Faldo Series Pakistan Championship

Mubariz Ahmed, a student of NUST Business School, participated in the Faldo Series Pakistan Golf Championship held at Defence Raya Golf and Country Club from September 19-21. The winner of this event qualifies for the Faldo Series Asia Grand Finale that takes place at Mission Hills Golf Club, China, the No.1 Golf Club in the world according to Guinness World Records. He has won the previous three titles of this event from 2011, 2012 and 2013. Mubariz was a favorite to win the championship once again but every sportsman has their ups and downs.

The beautiful Defence Raya Golf and Country Club put up a tough challenge even for the most talented golfers of Pakistan. He tried his level best but ended up finishing in 3rd place. The championship, however, helped Mubariz to identify his weak points and he has been putting in long hours to prepare for the upcoming events.



Intra main campus sports roundup



Football (M)

As many as eight teams (SCME, ASAB, SMME, SADA, NBS, SCEE, SEECS and RCMS) participated in an on-campus football (men) competition 2014-15, organized at the football ground of Islamabad Campus from Oct 25 to 29. SCME beat SMME by 1-0 in the final. Col Qaiser Mustafa, DD Sports Army Sports Dte was chief guest at the final match and handed over winners' trophy to SCME.



Squash (M)

An on-campus squash (men) competition 2014 - 15 was organized at the newly built squash courts, Islamabad campus from Oct 28 to 30. Seven teams (SCME, ASAB, SMME, NBS, SCEE, SEECS and RCMS) participated in the event. RCMS won the final against SEECS with the scoreboard showing 2-0 at the end of the play. Director Administrator, Arif Mahmud Siddiqui was chief guest at the occasion and gave away trophy to the winning team.





Basketball (M)

An on-campus basketball (men) competition 2014-15 was organized at basketball court, Concordia Complex – I, Islamabad from Oct 28 –Nov 06. Seven teams (SCME, ASAB, SMME, SNS, NBS, SCEE and SEECS) participated in this event. All the matches were played in the evening.

The final was played between NBS and SEECS, which NBS won by 27-19 after a very thrilling contest. Dr. Naukhaiz Sarwar, Principal NBS was chief guest at the finals. Dr Naukhez and Director Administration Mr Arif Mahmud Siddiqui presented winners' trophy to the NBS team.



Badminton (M)

A total of nine teams including SCME, ASAB, SMME, SNS, NBS, SCEE, SEECS, RCMS and S³H took part in an on-campus badminton competition held from Nov 17 to 19 at Indoor Gymnasium, Islamabad Campus. The final was played between SEECS and SMME which SEECS won by 3-1 score after a nail-biting contest. Director Administration, Arif Mahmud Siddiqui was chief guest at the occasion and handed over winners' trophy to SEECS.



Badminton (W)

Five teams, including SCME, ASAB, SNS, SEECS, and S³H, from the University's Islamabad took part in a badminton (women) competition 2014-15 organized at Indoor Gymnasium from Nov 17-19. The final was played between SEECS and S³H which SEECS won by 3-2. Director Administration Mr Arif Mahmud Siddiqui was chief guest at finals and handed over winners' trophy to the SEECS team.



Table Tennis (M)

An on-campus table tennis (men) competition 2014-15 was organized at Indoor Gymnasium, H-12 Islamabad from Nov 19 to 20 Nov. Eleven teams (including SCME, ASAB, SNS, CES, SEECS, SMME, SCEE, RCMS, SADA, NBS and S³H) participated in the event. The final was played between SEECS and SCME which SEECS won by 3-2 score after a very thrilling competition. Deputy Director Sports, Mrs. Robina Anser was the chief guest at finals and handed over winners' trophy to SEECS.



Table Tennis (W)

A table tennis (women) competition 2014-15 was organized at Indoor Gymnasium, Islamabad Campus from Nov 19 to 20. Eight teams (SCME, ASAB, SNS, SEECS, SMME, SCEE, NBS and S³H) participated in this event. The final was played between SEECS and NBS which SEECS won by 3-1 score after a very thrilling competition. Deputy Director Sports, Mrs. Robina Anser was the chief guest at finals and presented trophy to the winning team from SEECS.

Intra NUST Basketball (M) Competition

Intra NUST Basketball (Men) competition 2014-15 was organized at Indoor Gymnasium, College of EME, Rawalpindi from Nov 21 to 23. Six teams (EME, CAE, MCE, MCS, AMC and a team of Islamabad Campus) participated in the event. CAE took on MCE in the final and beat the latter by 34-26 score after a very thrilling competition. Mrs. Robina Anser, Deputy Director Sports handed over the winners' trophy to CAE.



SCME footballers display brilliance at Lahore Futsal Tournament

Three students from SCME (Haashir Altaf, Raamis Abdul Razaque and Haseeb Butt) won a futsal tournament held at Lahore Grammar School Paragon City. Schools from all across Lahore participated in this event and the SCME boys stole the show by their stunning performance. The trio was also a part of NUST Football Tournament's winning team this year.



Volleyball competition - SCEE

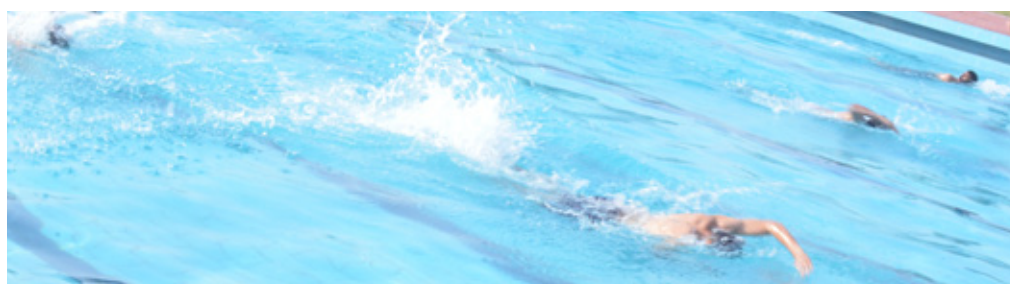
Inter-Course Volleyball Championship's final was played between UG CE 2012 and UG CE 2013 teams. The match was won by team of UG CE 2012 by 3 games to 0. Associate Dean NICE Dr. Liaqat Ali was chief guest at the occasion, who presented trophy to the winning team (UG CE 2012).



MCE Sports Gala 2014

MCE sports gala was held from September 22 to October 02. With overall 17 events and more than 1000 entries, the sports gala was an outstanding success and a jewel in the crown of Military College of Engineering. It was a panorama of social, physical and arts events sprinkled with math marathon, swimming and E-gaming. Participants enjoyed all the activities which were flamboyantly conducted and enlightened the true essence of a good sports amalgam in the overall dull semester life of cadets.

Major General Anwar ul Haq Chaudhry, Commandant Military College of Engineering graced the occasion as chief guest. The event concluded with award giving ceremony on October 02.



SADA Sports GALA - 2014

"It was the best of the times, it was the worst of the times."-Charles Dickens (A Tale of Two Cities)

With midterm examination week just a weekend away, and all the project submissions due in that particular week, SADA hosted the Annual Sports GALA 2014 on 30th and 31st of October 2014. The Sports Gala had three games this year: table tennis, (male/female), futsal (male) and dodge the ball (female). The sports ceremony was inaugurated by Prof. Anita Kapadia and for the first time with all five batches of SADA, five colors flew into the sky leaving gleaming energetic faces and slogans of "Let the games begin."

The event ended with a closing ceremony on 7th November 2014 after the exam week with prize distribution by Department Dean Sir Sikandar Ajam amongst the winners and participants. With a lot of new Facebook display pictures and amazing energy by the students, we ended our Annual Sports Gala on a note of hope and anticipation for SADA Sports GALA 2015.



04

COMMUNITY SERVICE

NCSC conducts Workshop on Community Project Management

NUST Community Service Club conducted a workshop on 'community project management' at SMME and NBS on September 23 and September 25 respectively. A delegation from Fatima Jinnah University attended the workshop at SMME Seminar Hall. Dr. Irtiza guided the students on how to manage a community service project right from the planning stages to the evaluation and feedback stages in the end.



Community service course orientation

NUST Community Service Club (NCSC) warmly welcomed its new course participants for Fall Semester 2014, by holding an interactive orientation of the course on September 09 at SMME Seminar Hall. The same session was also held on September 11 at NBS Seminar Hall.



NCSC team visit Pakistan Sweet Home

NUST Community Service Club (NCSC) administration team along with a few CSL-401 course faculty advisors visited Pakistan Sweet Home, H-13 orphanage on October 09 to find areas for collaboration. The visiting team was requested to send its volunteers for various community service projects like psychological counseling of the kids, establishment of a computer lab, arrangements for basic computer and drawing classes and donations.



'Annabelle' generates money for endowment fund

An American thriller and horror film, 'Annabelle' was screened on 7th November, at SCME hall, from 3pm to 5pm. This movie night ended up being a huge success for the NUST Student Endowment Fund Project of NCSC.

NUST Community Service Club Gala 2014

NUST Community Service Club (NCSC) held its first mega event for its general members of the calendar year, titled NCSC Gala 2014 on Oct 01, 2014, at the main campus of the University. The event was held not only to welcome the general members but also to generate funds for the NUST Student Fee Fund.



Book fair raises fund for flood victims

NCSC-TABA Youth Chapter set up a book fair from Sep 15 to 17. The tagline for the event was "Buy a book, console a flood victim." The objective of the event was mainly to raise money for the flood affected people and help the needy. Donations of PKR 28,000/- collected will go to the flood victims.



NCSC, TABA to continue flood relief campaign

With an amount of Rs 194115 already collected by NCSC-TABA till the 26th of September, the students hope to generate more funds to facilitate the organizations working in the flood-stricken regions.





▲ Best Teacher and Best Researcher Awards for the year 2012-13 - MCE (Oct 23)



▲ Opening ceremony first international UN Peacekeeping Course UNMOC 6 - CIPS (Oct 20)



▲ NUST Science Society observes Pink Day - (Oct 24)



▲ Inter-divisional Declamation Competition - PNEC (Sep 12)



▲ A group photo of students at NUST ASCE ISG orientation symposium



▲ Ambassador (R) Sohail Amin delivering a lecture on Regional Security -CIPS (Oct 16)



▲ Dr Amineh Hooti giving a lecture on 'Approaching Conflict Resolution.' - CIPS (Oct 29)



▲ Workshop on 'Effective Communication Skills for Workplace' PDC (Sep 29-30)



▲ Workshop on 'Handling Issues in Construction Projects and Effective Contract Management' - PDC (Sep 18)



▲ Workshop on 'Finance for Non-Finance Managers' - PDC (Oct 30-31)



▲ Orientation workshop for newly inducted faculty - PDC (Oct 21-22)



▲ Course on Patient Safety for medical professionals - PDC (Sep 24-26)



▲ Workshop on Entrepreneurship - PNEC (Oct 17)



▲ 'Indigenous On-campus Trainings (IOTs)' - PDC (Sep 22-26 and Oct 27-31 respectively)



▲ Dr Ehsan Ali from CES attends International Conference on Bioenergy, Lahore - (Aug 26-27)



▲ A team from Admissions Directorate visited Bahria College and Lahore Grammar School - (Oct 29-30)



▲ Maritime Gala was organized at Maritime Museum Karachi - PNEC (Sep 25)



▲ Training Workshop for Instructors of COMKAR Command - PNEC (Oct 9-10)



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