



National University of
Sciences & Technology

Bi-monthly Newsletter

Jan-Feb

Volume - VII

Issue - I

www.nust.edu.pk

NUST celebrates
silver jubilee

4 ➔

25 *Years*
of Academic
Excellence

Fatima, Ifrah
win gold

34 ➔



NUST Giving

Endowment sign-off
ceremonies

6 ➔



Segments

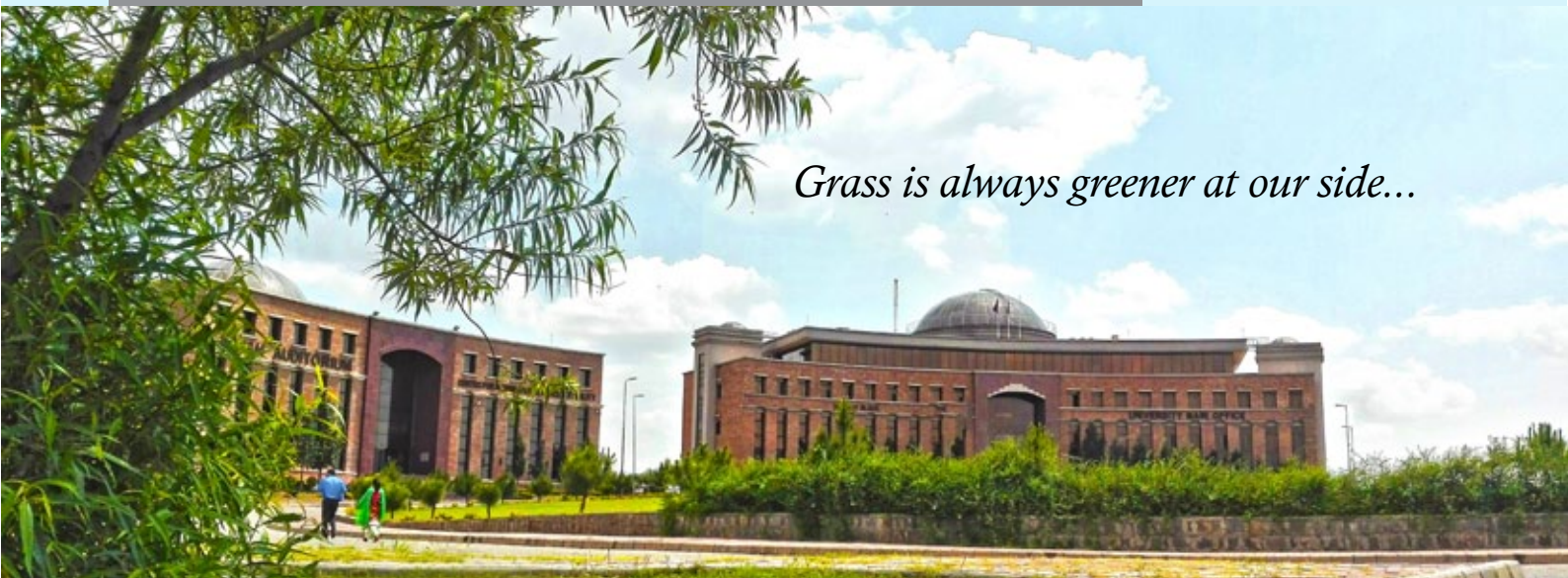
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Grass is always greener at our side...

NUSTNEWS is a bi-monthly publication of Publishing and Student Affairs Directorate, covering various activities from across the University.



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1 IN THE SPOTLIGHT

■ Top Story

NUST improves global ranking in two disciplines

National University of Sciences and Technology (NUST) has risen to even greater prominence in two disciplines as per the latest subject-wise rankings (2016) by Quacquarelli Symonds (QS), UK.

According to the details, NUST now stands 215th (the previous position being 271) in the field of Electrical and Electronic Engineering, while 272nd (from last year's 338) in the discipline of Computer Science and Information Systems.

As many as 3551 universities from all over the world were considered for evaluation. However, only 894 universities made it to the final ranking list. Over a hun-

dred million citations/ attributions were analyzed for around 14,000 programs.

The methodology for evaluation combines analysis from QS Global Employer and Academic Surveys with bibliometric data from Elsevier's Scopus database (www.iu.qs.com).

This singular achievement is a result of stringent quality assurance regime of the University. On this remarkable achievement, Rector NUST Engr Muhammad Asghar has extended heartiest felicitations to the nation, terming the accomplishment a fruit of concerted efforts and teamwork.



215th

ELECTRICAL & ELECTRONIC ENGINEERING

272nd

COMPUTER SCIENCE & INFORMATION SYSTEMS

Quacquarelli Symonds (QS), UK

NUST
National & International Rankings

RANKED

#1

ENGINEERING
UNIVERSITY OF
PAKISTAN

HEC Ranking-2015-16

TOP100 UNDER 50

QS WORLD
UNIVERSITY
RANKINGS- 2015-16

RANKED AMONG
TOP 350
WORLD ENGINEERING
UNIVERSITIES

QS (UK)
RANKINGS- 2015

RANKED 132

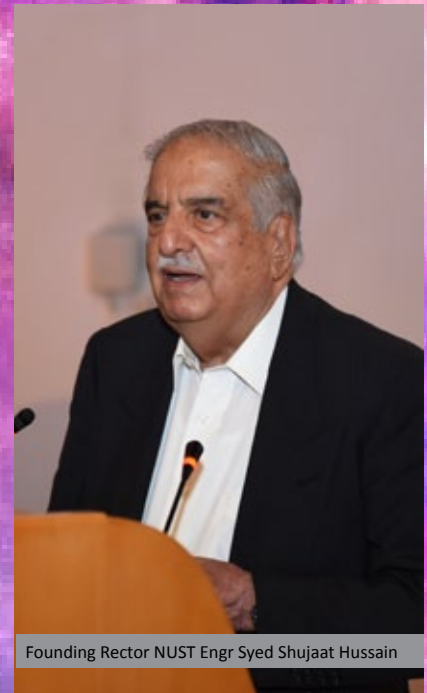
of
Top 200 Universities from
BRICS and
Emerging Economies

THE
Annual Ranking 2016

NUST celebrates *Silver Jubilee* amidst vows to attain newer heights

National University of Sciences and Technology (NUST) celebrated its 25th anniversary amidst a gathering of founders, former and incumbent faculty and staff along

with alumni and luminaries from different walks of life on April 16, 2016. Founding Rector NUST Engr Syed Shujaat Hussain graced the occasion as chief guest.



Founding Rector NUST Engr Syed Shujaat Hussain



Speaking about the emergence of NUST on the map of academic world, the founding Rector recounted the university's journey from a nascent institution to a seat of learning with prestigious global standing. He maintained that though laying foundation of such a centre of excellence was an uphill task, a team comprising selected officers and staff embarked on this gigantic task with meager resour-

es, and with incessant hard work shaped the dream into an enviable reality. He commended the incumbent Rector for taking the mission forward with farsightedness and sagacity.

Expressing his views, Rector NUST Engr Muhammad Asghar eulogized the efforts of the founding Rector and his team towards establishing a world-class university in Pakistan. He said that NUST





Rector NUST Engr Muhammad Asghar



owed its very raison de etre to their relentless contribution, adding that the university had moved forward in monumental strides towards developing as a comprehensive university with a holistic paradigm for building dynamic

leaders and socially engaged citizens.

The Rector expressed his gratitude to the audience for being part of the NUST silver jubilee celebration. He hoped that NUST, in the coming years, would progress at



an even higher pace and keep rising among the world's elite league of higher education institutions.

Earlier, a video was also screened showing NUST's evolutionary growth during the past 25 years from academics to community engagement, sports to curricular activities and research to innovation. The audience were also introduced to high achievers from various fields, who won laurels at national and international levels. The achievements of NUST

schools were also highlighted. The event culminated with a rendering of Iqbal's poetry with its enduring message of hope and urge to excel.



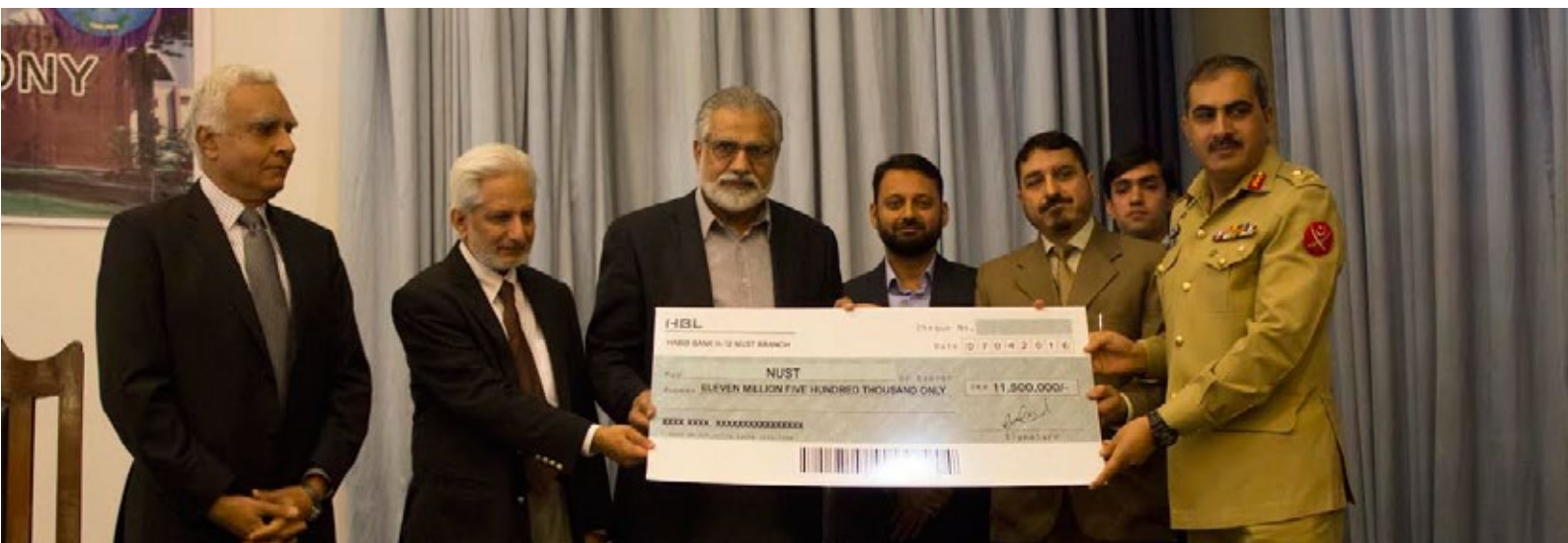
25^{Years} of Academic Excellence

NUST Giving

Endowment sign-off ceremonies

Under an agreement recently signed at Military College of Signals, NUST, the endowment fund, being looked after by MCS Alumni Association, has been officially put under NUST Trust Fund (NTF). Rector NUST Engr Muhammad Asghar signed the agreement on behalf of NUST. The fund will be used for financial assistance of students from MCS.

At the occasion, the alumni members also presented a cheque worth PKR 11.5 million to the Rector for NTF. The ceremony was attended by the senior management of NUST as well as some members of the association. Later in the day, a tree plantation drive also kicked off at the college wherein numerous tree saplings were planted around the campus.



Meanwhile, the alumni association of College of Electrical and Mechanical Engineering, NUST, also held an endowment sign-off ceremony at the University's main campus on February 16, 2016. An agreement worth PKR 2.5 million was signed between NUST management and the association. The ceremony was presided over by Pro-Rector (F&I) Mr Irfan Ahmed Akhter and was attended by members of the alumni and UAO officials. Under the agreement, the E&ME Endowment Fund has now been established under the head of NUST Trust Fund.

It is worth-mentioning that the endowment fund at E&ME College was initiated ten years ago, with a meager amount of PKR 45,000. However, the relentless efforts on the part of its managers have now brought the fund to a level where it can actually help create a difference in the lives of others.



NUST making advances in sustainable technologies

In line with its mission of developing as a comprehensive, research-led university with a focus on technology, innovation and entrepreneurship, NUST has been making R&D breakthroughs ever since its inception. The University has aligned its programs and activities with the United Nation's Millennium Development Goals (MDGs), Sustainable Development Goals (SDGs) and Pakistan Government's Vision 2025.

As regards contribution to the development of sustainable technologies, NUST is already a university apart. The quantum of its achievements has been astounding, which is a fruit of robust and ever-expanding research ecosystem operating in the multi-disciplinary University. For instance, US Pakistan Center for Advanced Studies in Energy (USPCAS-E) at NUST has recently installed a Meteorological High Precision (MPH) Solar / Wind Measuring Station. The MPH is capable of acquiring real time ground data for both the Solar Thermal and Solar PV applications. A separate tower in the vicinity measures and records wind speed and direction. The Centre is committed to creating an ecosystem for addressing energy requirements by influencing policymakers; developing technologies and human resources; and mobilizing communities for energy conservation.

Similarly, School of Civil and Environmental Engineering (SCEE) has developed a low-cost Wastewater Treatment Plant, which provides 75,000 gallons of recycled water for the entire horticulture of the University's main campus in Islamabad. Moreover, NUST has also signed an MoU with Chatham Resource Ltd, Canada, for the installation

of a 10 MW solar plant at a total cost of US\$ 44.70 million, which includes 10 MW solar plant, 16 MW battery backup and Professional and Vocational Training Centre.

Other major projects include Membrane Technology for Water and Wastewater Treatment, Solid Waste and Water Resource Management, Climate Change and Atmospheric Chemistry to name a few.



Meteorological High Precision (MPH) Solar/Wind measuring Station



Wastewater Treatment Plant



Membrane Technology for Water and Wastewater Treatment

Convocations



■ NUST Institute of Peace & Conflict Studies

The second convocation of Bachelor of Military Art and Science (BMAS) program for 126 and 127 PMA Long Courses was held at NUST on January 27, 2016. President of Pakistan Mr Mamnoon Hussain graced the ceremony as chief guest. A number of civil and senior military officers were also present at the occasion. A total of 712 officers were conferred the degrees.

In his address, the president congratulated the officers and their parents on successful completion of degrees and praised the BMAS faculty and staff for their efforts.

Rector NUST Engr Muhammad Asghar, while felicitating the graduates, said that Pakistan was confronted with multiple threats and that it required highly enlightened and intuitive leadership willing to accept risks and lead by example. He termed the program a step in that direction as it focused on producing capable military leadership of tomorrow.



President of Pakistan Mr Mamnoon Hussain awarding medal to distinction holder

■ School of Social Sciences & Humanities

As many as 125 students received their Bachelor's degrees in the disciplines of Economics, Mass Communication, and Government & Public Policy, while another 19 got Master of Science (MS) degrees in Economics at the second convocation of S³H, held at the university's main campus on January 5, 2016. Adviser to Prime Minister on Foreign Affairs Mr Sartaj Aziz graced the occasion as chief guest. Principal and Dean S³H, Dr Ashfaq Hasan Khan welcomed everyone present in the hall.

While delivering the convocation address, Mr Aziz said that social sciences played a fundamental role in the progress of any country, and that Pakistan needed to benefit from them through their promotion in the country's higher education.

Earlier, the chief guest awarded President's Gold Medals and Chancellor's Silver Medals to students

for outstanding academic achievements. Ayesha Amjad Qaisrani won the gold medal in MS Economics, Hira Nisar Khan in Bachelor of Science (BS) in Economics and Amina Mazhar in BS Mass Communication. Mishaal Mariam Khan received a silver medal in Bachelor of Public Administration, Alishba Rasheed in BS Economics, and Sundus Zafar in BS Mass Communication.

The Best Teacher Award for the year 2015 was given to Ms Saeeda Batool, a faculty member at Economics Department, while Assistant Professor Dr Faisal Jamil was conferred the Best Researcher Award for 2015.

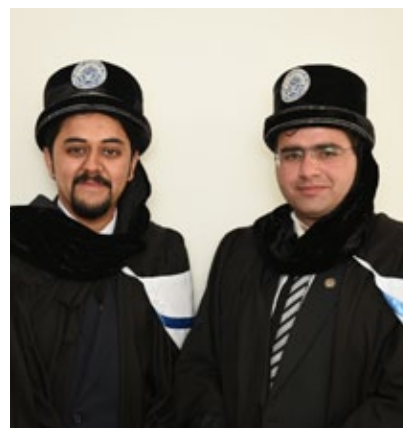
Speaking to the august gather-



Adviser to Prime Minister Mr Sartaj Aziz awarding certificate to graduate

ing, Rector NUST Engr Muhammad Asghar congratulated the graduates, parents and faculty. He said that NUST was among the leading 400 world engineering universities and top 100 young universities in the world, according to reputed international ranking agencies. The Rector urged the students, especially women, to join the workforce after graduation.

■ NUST Business School



NUST Business School (NBS) held its 6th Convocation on February 27, 2016 at the Jinnah auditorium. CEO Telenor Mr Michael Patrick Foley, was chief guest at the ceremony. In their addresses at the occasion, Mr Michael Patrick, Engr Muhammad Asghar (Rector NUST) and Dr Naukhaiz Sarwar, Dean and Principal NBS, appreciated the students, parents and faculty for their immense hard work and dedication. The chief guest awarded degrees to the graduates and medals to the distinction holders. The ceremony drew to a close with the students joining the chief guest for group photographs.

RCMS faculty included in "Who is Who in the World-2016"

In recognition of his outstanding scholarly achievements in the field of computational chemistry, Dr Farooq Ahmad Kiani, Associate Professor at Research Center for Modeling and Simulation (RCMS), has been listed in the 33rd edition of the "Who is Who in the World-2016" and also in its online database. "Marquis' Who is Who in the World" is 115-year-old American publisher of a number of directories, which contain short biographical information of the renowned individuals from around the world. According to the publisher, individuals become eligible for listing by virtue of their positions and/or noteworthy achievements that have proved to be of significant value to society.



PNEC wins innovative award at IoT

A team from Pakistan Navy Engineering College (PNEC-NUST) competed for Telenor Internet of Things (IoT) awards and won the innovative award (first prize) in the automobile category amongst hundreds of individuals, start-ups and companies participating in the event held at Expo Center, Karachi.

IoT is a competition aimed at familiarizing people with technology and promoting innovation among the youth of Pakistan. Mr Michael Patrick Foley, CEO of Telenor presented the award to the PNEC team.





The green campus: a journey from wilderness to splendor

The lush green campus of NUST in Islamabad mesmerizes everyone who experiences its beauty and magnificence. However, it is hard to believe that the picturesque campus was just a piece of unattended and uncultivated land merely a few years back. Though transforming the campus from wilderness to its present soul-warming state was a tough row to hoe, the incessantly vigorous efforts of NUST horticulture team translated this quixotic venture into an enviable reality.

It all started in 2008 with the cultivation of area alongside Ali-garh Avenue (starting from Gate-1) in which the faculty, staff and students from NUST schools and even military colleges participated. Sooner than later, there began the construction of NUST Business School (NBS), School of Electrical Engineering and Computer Science (SEECS), Research Centre for Modelling and Simulation (RCMS), etc., along with Fatima and Iqra hostels. The horticulture team

was given the task of beautifying these under-construction buildings, which they impeccably did employing the Potohar-friendly plants.

The challenges the horticulture team faced initially had been mammoth. For instance, the land they had to work on was barren and infertile together with scarce water resources. But the determination on the part of workforce,

led by Director Administration Mr Arif Mahmud Siddiqui and DD Horticulture Mr Awaiss Ahmed, was proverbial. They proved themselves ever ready and up to the par. In order to fulfill the water requirement, a couple of water reservoirs were made out of the naturally existent water channels. For this purpose, large stones excavated from across the campus were used as water stoppages.



The horticulture team showed both prudence and diligence in their work. During 2008-9, they were allocated a fund of Rs. 26 Million for the development of 12 acres of land in the light of Pc-1s. However, they not only used the same budget for the development of 75 acres of land, but also saved some money that was later spent on the beautification of the playgrounds – a task that was to be undertaken by the Sports Branch, which they could never embark on



for want of funds.

Over the years, the horticulture staff has transformed the map of NUST with their untiring efforts. They have beautified schools, hostels and cafeterias. They have embellished the grounds, parking areas, viewpoints and roads of NUST. Those familiar with the condition of the campus before 2008 are amazed to see the complete yet pleasant change in the very outlook of the University's main campus.

During 2010-11, the staff cultivated about 20.1 acres of land and planted 2708 plants. The figure rose to 30.05 and 26.90 acres in 2012 and 2013, respectively. While in 2014, 8.90 acres of land were beautified with 1587 plants. For 2015, about 5.8 acres have

been planted with 1628 tree saplings. The projects of the team for 2015 included the beautification of Viewpoint-1 & 2, Squash court, Location-1, IESE plot, S³H, Grid station, Bhitai faculty mess and FWO workshop. It is amazing to note

that there was only one garden-er in 2008, but now the number has increased to 79. According to the horticulture team, about 180 acres of land are now green with the development plan to cultivate another 40 acres of land by 2016.



NIMUN 2016

Simulation urges unity beyond borders



NUST International Model United Nations 2016 (NIMUN '16) was held at the university from January 19 to 22 this year. The event proved to be a roaring success with around 500 delegates registering for the event, including 33 international delegates who had come all the way from countries such as China, Nepal, Afghanistan and Liberia. The theme for this year's student-organized event was "Unity Beyond Borders". Several committee sessions were held

wherein the delegates expressed their views on various topics ranging from global health issues and economic crisis to international security. Former ambassadors and renowned academics joined in for the speaker sessions, enlightening the delegates with their knowledge and experience.

In addition, there were four social events that generated overwhelming attendance. The first day saw a "Global Village" where the delegates showcased stalls de-

picting culture of their allocated countries. There was a carnival *Jashn-e-Chiraghan* on the second day, with musical performances by folk rock group *Khumariyaan* and famous *dhol* (drum) player Pappu Saein. The third day brought with it an exquisite formal dinner with the theme, *Midas Touch*. The conference concluded with a surprise event *Qawali Night*, winning appreciation of every single soul around.



Launch of NUST's Urdu-language Webportal

The Urdu-language webportal of National University of Sciences & Technology (NUST) was officially launched on February 23, 2016. Like its English counterpart, the Urdu-language webportal would serve as a doorway to NUST's various institutions.

The visitor to the site is greeted with an array of banner images, all detailing university milestones or important events and occasions. The header contains dropdown menus for About Us (*Ta'aruf*), Institutions (*Idaaray*), Academics (*Ta'leem-o-Tu'alam*), and Admissions (*Daakhle*). The same panel includes links for Research (*Tahqeeq*), Giving to NUST (*Atiyyat*), QA (*Faroghe Miyaar*), and Downloads.

The panel below the banner images is divided into four sections: Bulletin Board (*Ai'lanaat*), Voice of NUST (*Sada-e-NUST*),

News and Notifications (*Itala'at*), and Upcoming Events (*A'inda Din-nau Mein*).

Below that is a section called Featured Events (*Khasoosi Taqreebat*), which finally ends, further down, in a grey 'footer' area, which contains lists of frequently-used links, to be accessed directly at a single glance for ease of users.

Over the next few months, more content would be added to the webportal; the existing fea-

tures improved; and followers kept involved through incorporation of user feedback.

NUST's Urdu-language webportal can be accessed through a link at the top-right corner of the English-language webportal, www.nust.edu.pk, or the visitor can simply visit the Urdu webportal by typing the URL www.nust.edu.pk/sites/urdu.



www.nust.edu.pk/sites/urdu

IESE team wins prize at “All Pakistan DICE – Textile 2016 Innovation Event”

An innovative research project presented by a team from Institute of Environmental Sciences & Engineering (IESE, NUST) won a special honorary prize at "All Pakistan DICE – Textile 2016 Innovation Event", at National Textile University, Faisalabad. The project titled "Reclamation and Reuse of Textile Wastewater by using MBR Technology" competed with over 70 other innovative research projects presented by participants from all over Pakistan. The team comprised two faculty members, Engr Izhar Hussain Shah and Engr Rashid Iftikhar, and a PhD student namely Mr Ghalib Husnain. The project, supervised by Dr Sher Jamal Khan, attracted several professionals from the textile industry and academia and received immense adulation.



Borlaug Fellows & USDA-ICARDA Virology Group Meeting at NUST



A meeting of Borlaug Fellows and USDA-ICARDA Virology Group was held at National University of Sciences and Technology (NUST). The group comprising renowned scientists from USA and Pakistan discussed the implications and threats of viral diseases on sustainable agriculture development in the country. Dr Peter John, Principal Atta-ur-Rahman School of Applied Biosciences (ASAB), welcomed the participants and briefed them on the research and development activities at ASAB. Dr Muhammad Tahir, a Borlaug

fellow and PI of the ICARDA-USDA project, convened the meeting. Molly Rumery, Representative Borlaug Fellow from USA, shared her experiences and role of the fellowship program in promoting food security and agriculture development. The USDA representative and Research Leader of Genomics and Bioinformatics Research Unit, Dr Brian Scheffler briefed the members about the various opportunities provided by USDA for the purpose.

Pro-Rector Academics NUST, Dr Asif Raza, also addressed the

meeting and enlightened the participants with the role of NUST in training plant biotechnologists for meeting the agricultural threats. Dr Muhammad Arshad, Coordinator USDA-ICARDA project, highlighted the progress regarding cotton virus management in a USDA-ICARDA-funded project. The group members then had an in-depth discussion on the subject matter. The foreign delegates included Dr Jodi Scheffler (USDA, USA) Dr Judy Brown (University of Arizona, USA) and Dr Rob Briddon (NIBGE).

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Final round to be held on May 18, 2016



ROAD SAFETY

GENDER DISCRIMINATION

POLLUTION

HEALTHCARE

INFORMATION ACCURACY

EDUCATION

ENERGY

CHILD LABOR

CYBER SECURITY

FICS

ILO holds recruitment drives

The Industry Liaison Office (ILO) endeavors to establish and maintain relationship with industry partners and alumni to facilitate their connection with students so as to provide the latter with a broad range of meaningful opportunities and experiences. In this connection, NUST ILO lately facilitated a number of companies for on-campus recruitment drives. These included Pepsi Co, Unilever, Procter & Gamble (P&G), PTC (British American Tobacco), Phillip Morris International, Shell, etc.



PEC accredits OBE system at College of EME

A team of renowned academics and engineers from Pakistan Engineering Council (PEC) paid a two-day visit to Department of Mechanical Engineering of College of Electrical and Mechanical Engineering, NUST. The team had been tasked to gauge the implementation of the Outcome-based Education (OBE) system and the current state of academic activities at the department. The visit started on January 14, 2016 with an introductory session regarding the College of E&ME, followed by a thorough review of the implementation of the OBE system at the department. Later in the day, the team visited all the departmental labs and allied infrastructure as part of an in-depth assessment. What ensued was a critical review of the



OBE related documentation and faculty performance. The visit culminated on January 15, 2016 after the team had interviewed the faculty, alumni and staff members.

PEC team acknowledged the effective and efficient implementation of the OBE system. It was recognized to be in line with the guidelines of the American Board

of Engineering and Technical Education Inc. The award of accreditation for OBE system will significantly enhance the quality and impact of education being imparted at the department, and enable our students to stand at par with foreign students when applying to renowned graduate schools.

C³A student cycles miles to experience passion

Muhammad Ahmer Khan, an MS scholar at Center for Counseling and Career Advisory (C³A) had a bicycle ride to Kallar Kahar all the way from Joharabad (Punjab) from February 26 to 28, 2016. He embarked on this journey only with a view to spreading a message of hope and conviction. His expedition was covered by the mainstream national media viz. Express News TV, Kohenoora News TV and Express Newspaper.



RCMS purchases simpleware license

Research Center for Modeling and Simulation (RCMS) has recently purchased a one-year simpleware license. Simpleware Ltd is a world-leading digital imaging solution to generate numerical models. Simpleware is a Queens Award recipient in 2015. The software enables to comprehensively process 3D image data (MRI, CT, micro-CT, FIB-SEM.) and export models suitable for CAD, CAE and 3D printing. ScanIP package within simpleware is used to visualize, analyze, quantify and process data, and export surface models/meshes. Add module +FE to generate CAE meshes, +CAD to integrate CAD and image data, +NURBS to export NURBS files, and new Physics Modules +SOLID, +FLOW and +LAPLACE to calculate effective material properties of scanned samples using homogenization techniques. RCMS plans to conduct a two-day workshop on how to use simpleware with a hands-on session. The workshop will be conducted by Assistant Professor, Dr Zartasha Mustansar of RCMS.



Professional Development Expo



PDC organized "Professional Development Expo – 2016" on February 12, 2016. The purpose of the event was to bring together all the representatives of industry and showcase the center's strengths in the field of training and development focusing areas of Management, IT, Engineering and Health.

The guest speakers were renowned industry ex-

perts in their respective areas. Principal SMME Dr Abdul Ghafoor and an RCMS representative Mr Tariq were also given an opportunity to share their views in conducting Engineering trainings for the industry professionals. Around 70 industry representatives attended the Expo.

Librarian at S³H completes PhD

Mr Midrar Ullah, librarian at School of S³H, has completed his PhD in Library and Information Science (LIS) from the Department of Information Management, University of the Punjab under the supervision of Dr Kanwal Ameen. The title of his PhD thesis is "The status of information literacy instruction in medical libraries of Pakistan: An Appraisal."



NUST gymnasium inaugurated

Inauguration of the long-awaited fitness gymnasium (for both genders) in the Islamabad campus by Rector NUST Engr Muhammad Asghar on Feb 26, 2016 was equally hailed by faculty, officers, students and residents. The addition of this facility will allow users to adopt a healthy lifestyle. Pro-Rectors, Principals, Directors and a sizeable number of faculty and officers attended the ceremony. The administration directorate's endeavors to bring about a qualitative change on the campus have drawn wide-scale appreciation.



NUST Alumni Homecoming 2015

NUST Alumni Homecoming was lately held at the main campus of the university. The purpose of this year's event was to celebrate the pioneer batches of NUST from 1991-2000 with a special focus on the very first batch. President NUST Alumni Association (NAA) Mr Ammar Asghar extended a warm welcome to the alumni.

The homecoming came about with a blast of numerous pleasantries: hands were shaken, greetings made; and a vibrant forecast of recent and pioneer graduates of NUST stormed the pavement of the Scholars Avenue to intermingle with each other. A cricket match was organized in which alumni of every campus of NUST took part with renewed vigor and enthusiasm.

One of the new features of this year's homecoming was the Annual Alumni Conference, in which final-year students, NUST faculty and a vast majority of alumni participated in debating and reviewing the important aspects of employability that every graduate of NUST had to tackle. Entrepreneurship and the key possibilities it curtails were also a significant matter of discussion at the conference.

The homecoming organizing committee also arranged a wonderful "networking village", a village that offered visitors to enjoy fast foods, hot beverages, a raffle to win a return ticket to Istanbul, and an unforgettable concert of QB and Roxen. Needless to say, the support of those who made this event happen amicably.



2 VISITS

IGT&E

Lt Gen Qamar Javed Bajwa, Inspector General Training and Evaluation (IGT&E), visited NUST on January 22, 2016. He was extended a very warm welcome on his arrival. Cordial and informal chat at Rector's office preceded a detailed briefing on NUST at the main conference room, which was also attended by Pro-Rectors, and other senior members of the management. IGT&E was all-praise for NUST on having achieved momentous growth in a very short span of time. Later, the honorable guest was conducted to SEECs, ASAB and CIE.



Nottingham University delegation

A two-member delegation from University of Nottingham, UK visited NUST on Feb 12, 2016. The delegation included Mr Jeremy Burgess, Associate Director University of Nottingham, and Mrs Asif Qazi. In a meeting chaired by Pro-Rector Academics Dr Asif Raza, the delegates were given a detailed briefing on NUST. The delegates in their remarks greatly admired the NUST teaching and research programs along with infrastructure and facilities provided for its faculty and students. Mr Burgess thanked NUST

officials for welcoming them and expressed that relationship between NUST and University of Nottingham would continue to develop further, adding that collaboration between academics and students from the two universities in the fields of joint research, fellowships and exchange of faculty/ students would be strengthened. The guest also showed keen interest in formalizing these relationships between University of Nottingham and NUST by signing memorandum/ agreements of understanding.



Saudi armed forces delegation



A 20-member delegation of Saudi Armed Forces visited NUST on February 10, 2016. The delegation was briefed about establishment, institutions, programs, research initiatives, industrial and institutional linkages and future plans of NUST. Ensuing was an extensive Q&A session wherein the delegates appreciated NUST's infrastructure and facilities provided for its faculty and students to ensure quality teaching, learning and research. Later, the delegates were given a guided tour of the university. They expressed their eagerness to establish formal relationship between NUST and the universities of Saudi Arabia in the areas of joint research, fellowships and student exchange.

Canadian delegation

A delegation from Global Peace Centre Canada visited Center for International Peace and Stability (CIPS) on February 15, 2015. The delegates included Professor Lowel Ewert Director of Peace and Conflict Studies and Dennis Gingrich from Conrad Grebel University College, affiliated with the University of Waterloo, Professor Timothy Donais and Dr Ali Zaidi from Wil-

frid Laurier University, Waterloo and Professor Jahan Zeb, Executive Director, Global Peace Centre Canada.

It was an educational trip to identify the Working Group's priorities for 2016-18; develop a joint plan of action for the co-development of peace education curriculum; facilitate lectures on peace and conflict studies, global studies and the exchange of students, teachers and researchers and agree on the division of labor.



SMIU delegation

On the third day of their visit to Islamabad's national institutions under the "National Leadership Programme 2016", the delegation of Sindh Madressatul Islam University (SMIU) led by its Vice Chancellor Dr Muhammad Ali Shaikh, visited National University of Sciences and Technology (NUST) on January 20, 2016. Upon arrival, the delegation, comprising faculty and students, was received by Pro Rector NUST Engr Muhammad Shahid and other university officials.

Speaking at the reception hosted by the university authorities, Dr Muhammad Ali said that he had memorable association with NUST, which was one



of the quality institutions of the country. He was all-praise for the visionary leadership of NUST for making NUST one of the top-notch universities of the world. Later, the Pro Rector thanked the delegation for visiting the University.

NESCOM delegation

A delegation from NESCOM paid a visit to SEECs for potential collaboration and student exchange possibilities. The visit constituted of short introductions of the delegates who were attending the IBCAST conference and were from different universities of China (information link <http://www.ibcast.org.pk/>) and were speakers at the conference. One of the Professors, Dr Jacob Wikner was from Sweden. (information link <http://users.isy.liu.se/en/es/jacobw/>)

The visit proved to be fruitful since the possibilities of student exchange with Chinese professors and collaboration in IC designing for implantable applications were discussed with Dr Jacob Wikner.



Country Manager Cisco

Country Manager Cisco, Mr Navid Qazi, visited SEECs on February 1, 2016 to discuss the prospects of mutual collaboration with the institute. Principal SEECs Dr S M Hassan Zaidi welcomed the distinguished guests and briefed them about the functioning of NUST in general and SEECs in particular. He shared the details of its remarkable growth and excellence. The guests were pleased to know the success stories as well as the valuable contribution made by SEECs in research and academics.

Mr Navid Qazi put forth the possible areas of collaboration with NUST. He proposed a full-scale initiation of hybrid network academy training along with working on the infrastructure of labs with Internet of Things (IoT) software. He suggested that an existing project from the global market could be brought into



Pakistan with "Cisco-Solutions".

Mr Qazi also stressed upon bringing the infrastructure of Master Academy, also known as Network Academy, to NUST.

BUITEMS faculty, staff

NUST Industry Liaison Office (ILO) along with Center of Counseling and Career Advisory (C³A) in collaboration with Japan International Cooperation Agency (JICA) conducted a four-day training program for the faculty and staff members of Balochistan University of Information Technology, Engineering and Management Sciences (BUITEMS). The objective of this training was to provide guidance on Career Development Action Plan (CDAP) for their students. The training included practical demonstration by taking the participants of BUITEMS for the Industry visits to build Industry Linkages and in-house training in NUST through daily trainings and assessments.



Students of Al-Falah Secondary School, Ghotki (Sindh)

NUST BioReach Society in collaboration with NUST Administration and PSA Directorate hosted students of Al-Falah Secondary School, Ghotki (Sindh) on February 22, 2016, under the outreach program. President BioReach Society Maarej Khan gave students a brief overview of NUST viz. its campuses and departments, co-curricular activities, etc. Subsequently, the visiting students were given a guided tour of the university's institutions at Islamabad campus. The students were really inspired to see the overall academic environment and resolved to work hard and be a part of NUST in future.





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3 CONFERENCES & WORKSHOPS

12th Annual HONET-ICT Conference



The 12th Annual International Conference on High-capacity Optical Networks and Enabling/Emerging Technologies (HONET-ICT) 2015 concluded recently at NUST Islamabad campus. At the inaugural session, Minister for Science & Technology, Mr Rana Tanveer Hussain, appreciated SEECS for organizing an international conference on a topic of paramount importance, hoping that the conference would be highly rewarding in terms of its outcomes.

The special feature of the conference was "ICT Industrial Exhibition" which attracted a large number of international and local participants. The closing ceremony was presided over by Chairman Pakistan Telecommunication Authority (PTA), Dr Syed Ismail Shah. In his address, he congratulated NUST on organizing the conference with its focus on the highly important domains in ICT, including Wireless and Photonics, Big Data Analytics, Cyber Security, In-

ternet of Things, Smart Grid and Cloud Computing. He said the assembly of professionals coming from all walks of life would be instrumental not only in enhancing scientific knowledge but also in guiding the policymakers.

Speaking at the occasion, Rector NUST Engr Muhammad Asghar commended the efforts of SEECS in making the conference a success. He said ICT had become relevant to almost all sections of life and, hence, had a pivotal role to



Federal Minister for Science & Technology Mr Rana Tanveer and Rector NUST Engr Muhammad Asghar addressing the audience



Chief guest inaugurating/visiting exhibition stalls

play in modern day education. He assured that NUST would remain committed to the cause of educational and scientific development in the country.

Giving statistics of HONET-ICT 2015, Conference General Chair, Dr Muhammad Hassan Zaidi, in-

formed the house that a total of 38 research papers were presented in the conference. In addition, seven tutorials and four workshops were also part of the conference. Other important activities included plenary sessions, symposia on "University-Industry Partnership"

and "Use of ICT in Education" and an exhibition of stalls. In the end, the Steering Committee International Chair, Dr Yasin Raja from UNC Charlotte, USA announced that, God-willing, 13th HONET-ICT would be held at the American University, Ras-Alkhaima, UAE.



Web GIS Using Open Source Technologies

Professional Development Centre (PDC) organized a three-day workshop on "Web GIS - Using Open Source Technologies" at Centre for Innovation and Entrepreneurship (CIE) from January 20 to January 22, 2016. Mainly the target audience were from sectors like banking, insurance, crime monitoring, planning divisions, transportation, town and urban planning, environment, hydrology, IT, software engineering, etc. Resource person for the training was Dr Ali Tahir, Assistant Professor, IGIS – NUST.

The workshop developed thorough understanding and basic

principles and techniques of Web GIS concepts by designing and implementing web architecture using appropriate spatial database, spatial mapping servers, and client side geospatial libraries.



US Embassy-sponsored “Water-Energy-Food Security Nexus Conference” held



Federal Minister for Planning, Development & Reforms Prof Ahsan Iqbal (left) and Rector NUST Engr Muhammad Asghar speaking to participants of the conference

NUST Institute of Civil Engineering (NICE), in collaboration with US Embassy in Islamabad, organized a two-day “Water-Energy-Food Security Nexus Conference (WEFSNC)” from February 16 to 17, 2016.

The major objectives of the conference were to explore ongoing research and innovations in the water-energy-food security nexus in Pakistan; provide a platform for an exchange of ideas between the US and Pakistani experts, as well as key stakeholders in their respective fields; and create a web-based platform for participants to share relevant research, commentary, and networking information.

The conference was sponsored by the US Embassy in Islamabad. The US Ambassador, Mr David Hale, along with Federal Minister for Planning, Development & Reforms Prof Ahsan Iqbal graced the

opening session with their presence. Rector NUST Engr Muhammad Asghar extended a very warm welcome to the participants of the conference. Around 250 participants from various national and international organizations made it to the conference, which garnered contributions from key stakeholders from Pakistan as well as experts from UNESCO, USAID and USA. The participants applauded NUST and US Embassy efforts for providing an excellent platform for all national key stakeholders from the water, energy and agriculture sector. It was also realized that the water-energy-food sector nexus was becoming more complex due to climate change impacts. Therefore, there was an urgent need for focusing on trade-offs and synergies using a nexus approach for development of sustainable strategies to help ensure food, water, and energy security.



ICGEB-funded Course on Basic Biotechnology Techniques



National Academy of Young Scientists (NAYS), in collaboration with Atta-ur-Rahman School of Applied Biosciences (ASAB-NUST), organized a three-day course on basic biotechnology techniques, funded by International Center for Genetic Engineering and Biotechnology (ICGEB) from February 23, 2016 to February 25, 2016. Objectives of the course were to provide hands-on training to young scientists and faculty members on basic techniques of biotechnology and to facilitate networking of young sci-

entists from different universities and research institutes

Rector NUST, Engr Muhammad Asghar, was chief guest at the event's inaugural session on February 23, 2016. The course comprised thought-provoking lectures by eminent young scientists from different universities of Pakistan, along with hands-on training on basic biotechnology techniques. Fifty graduate and undergraduate students from different universities of Pakistan, selected through a criteria introduced online by

ICGEB, participated in the course. The participants were awarded certificates after successful completion of course. Pro-Rector Academics Dr Asif Raza was chief guest at the closing ceremony.

National Academy of Young Scientists, Pakistan, mobilizes young scientists in their research endeavours and provides them with a platform where they can collaborate and exchange their fruitful innovative ideas and information in multidisciplinary science domains.

Workshop on Big Data Predictive Analytics at PNEC

A workshop on Big Data Predictive Analytics was recently conducted by Dr Tariq Mehmood of Karachi Institute of Engineering and Technology (KIET) at PNEC-NUST. The workshop was attended by officers from different Commands, faculty members and students. Dr Shoaib A Khan from Center of Advanced Studies in Engineering (CASE) presented certificate to all the attendees.



Workshop on Behavior Patterns at Workplace, C³A

Centre for Counseling and Career Advisory (C³A) conducted a two-hour workshop on “Behavior Patterns at Workplace and Role of C³A” with NUST faculty and NG staff. The workshop aimed to help participants to understand different types of behaviors, reasons of those behaviors and its impact on others. The workshop included group work and role plays that helped participants understand



the dynamics of different behaviors like the traits of aggressive, passive and assertive behaviors, the reasons for being in those behavior patterns and its effect on them and others. Participants found the workshop knowledgeable which helped them understand that assertive behavior is the best behavior for developing healthy relationship at personal and professional level.

Seminar on "Role of CFD for Aircraft Design" at CAE

A seminar on “Role of CFD for Aircraft Design” was held at CAE on December 16, 2015, for participants of “Introduction to Computational Engineering Course”. The seminar shed light on modern techniques and dimensions of aircraft design. A number of real examples were discussed during the seminar which enhances the understanding of limitations and issues which generally arise during the design phase of aircraft.

“Introduction – University of Warwick, UK, Postgraduate Studies/Roadmap to PhD Degree”

NUST Institute of Civil Engineering (NICE) organized a workshop on “Introduction – University of Warwick, UK, Postgraduate Studies/Roadmap to PhD Degree” on February 15, 2016.

Mr Zeeshan Riaz, who is currently the representative of University of Warwick in Pakistan, was invited to discuss the opportunities available for Pakistani students in UK in general and the University of Warwick in particular. He drew attention to reasons leading to

inability of Pakistani students to get admitted to high ranking universities. He also mentioned the different ways of writing research proposals for students aspiring for a PhD degree.

Introduction of University of Warwick in Faculty Development Program for NUST was also discussed in order to strengthen the ties between the two universities.



Session for psycho-trauma management by Dr Derek Ferrell

Dr Derek Ferrell, an accredited Cognitive Behavioral Therapist and senior lecturer at University of Worcester, UK, visited Department of Behavioral Sciences, S³H, NUST on January 16, 2016. An interactive session was organized by DBS, in which Dr Ferrell shared his vast knowledge and experiences on psycho-trauma management with MS Clinical Psychology students and faculty at DBS. His lecture helped students understand the nature of psycho-trauma experienced by people who are exposed to various forms of natural or man-made disasters. It is very important to provide timely and effective psychological interventions to help people cope with negative outcomes of trauma-related experiences. Dr Derek Ferrell is also an experienced EMDR trainer and therapist. During this session he shared his practical knowledge with students and contributed in capacity building of future clinical psychologists in Pakistan.



S³H faculty head participates in international congress

Dr Salma Siddiqui, Head of the Department of Behavioral Sciences, participated in "International Congress of Clinical and Health Psychology with Children and Adolescents", held in Madrid Spain from November 19 to 21, 2015. She presented her work based on the psychosocial intervention for the students and teachers of Public School & College, Peshawar after the traumatic incident of December 16, 2014. The title of her presentation was "Responding to Trauma: A Culturally Sensitive Stage-based Trauma Care Approach in the Community". The presentation was well received and led to discussions with regard to the understanding of cultural aspects of trauma care especially as refugees from Syria and Iraq are forced to migrate to Europe under tragic circumstances. The participants stressed the need to develop a culture



sensitive approach and generate a discourse on these lines among all the stakeholders who are involved in the rehabilitation of refugees. The exchange of ideas and sharing of experiences provided a great learning experience. She found Spain to be a great country where Muslims' golden era reflects in many historical buildings and monuments.

ASAB faculty presents his project at SysBio2016, Austria

Dr Amjad Ali, Assistant Professor at ASAB, participated in the SysBio2016 - Advanced Lecture Course on Systems Biology, at Innsbruck, Austria from February 28, 2016 to March 5, 2016. He was awarded a fellowship grant worth €750 (Euro) for this event. The course covered a wide range of essential and practical aspects of Systems Biology from principles and methods through the modeling of living systems to applications in biotechnology and medicine. He presented part of his ongoing project on modeling of the immune pathways associated with Hepatitis C Virus infection and prediction of potential targets for therapeutic intervention.



SNS faculty to attend Lindau Nobel Laureate Meeting at Lindau, Germany

Dr Mubasher Jamil, Assistant Professor at School of Natural Sciences (SNS), has recently been selected to participate in the 66th Lindau Nobel Laureate Meeting to be held from June 26, 2016 to July 1, 2016 at Lindau, Germany. It is indeed a feather in his cap and a matter of unique honor for NUST. The event is expected to have numerous Nobel Laureates of Physics. Dr Mubasher will participate as a Visiting Scientist. Professor Romain Murenzi (Executive Director of The World Academy of Sciences, Italy) nominated him among the developing countries. Dr Mubasher has been a Young Affiliate of TWAS (2012-2016) as well.



Personality assessment & career guidance session by C³A

A Personality Assessment and Career Guidance Session was conducted at the Centre of Counseling and Career Advisory (C³A) on February 25, 2016. The session was conducted with BE (Chemical and Material Engineering) students from School of Chemical and Material Engineering (SCME) NUST. The basic objective of the session was to facilitate the students to know about their personality type and subsequently equip them with the



career's information about their respective fields. The session was divided into two sub-sessions. In the first session, the Personality Factor Test (16PF) was administered by a psychologist and students were apprised of their personality types. In the second session, a career counselor briefed the students about the basic need and utilization of career counseling. The session went very well and attracted active participation by the students.

4 CO-CURRICULARS

NEC holds “Trash to Model”

NUST Environment Club (NEC) believes in reusing disposables in an innovative manner. To this end, the club held the third installment to its premier event, "Trash to Model" on February 25, 2016. Students from all over NUST and beyond were huddled around their workstations encircling the IESE courtyard on a warm Thursday afternoon, focused on the task at hand: to showcase the hidden potential of garbage by transforming used and thrown away bottles, cups, plates and popsicle sticks into splendid works of art.

The Blue Angels of SMME, who built an airplane, were declared the runners-up while the Green Lunatics of Fatima Jinnah Women's University, who built a charging station, amplifier and scissor-holders, were pronounced the winners of this year's "Trash to Mod-



el". The runner-up and winning teams were awarded cash prizes, certificates and shields. The event concluded with photographs of the two teams with the judges and the chief guest.

NMC bags award at LUMS

A team of three NUST Media Club executives has won the "Product Photography" competition at the LUMS Annual Photography Summit 2016, held at the Lahore University of Management Sciences, Lahore. The event was held from February 19 to 21, 2016. More than 78 teams of amateur and professional photographers participated in the various photography modules. The winning team comprised Muhammad Waleed Mustafa from SECS, Maimoon Mazhar from SMME and Hamza Arshad from NBS. Along with a trophy, the team has been given a Nikon voucher worth Rs. 10,000.



The winning entry

NAC arranges trip to Pir Chanasi

NUST Adventure Club organized a trip to Pir Chanasi peak, AJ & K on February 19, 2016. As many as 60 Nustians, accompanied by the 15 executives of NAC council and a faculty member constituted the caravan.

Pir Chanasi is a hillspot located at a distance of 150 km from Islamabad at an approximate height of 9500 feet. The place is quite famous because of the presence of a shrine of a famous saint and is visited by a large number of pilgrims every year.



NBC holds “Scribble the New Year’s Resolve”

As 2015 drew to a close, everyone aimed to reform themselves. NUST Book Club gave students the opportunity to put their determination and resolve to paper for a chance to win certificates and books. Entries were received from December 24, 2015 till New Year’s Eve and the winners were announced on January 3, 2016. Of the over 50 entries received, Ishaq Ibrahim, Walifa Waqar and Noor-ul-Huda won the first, second and third prizes, respectively. The event was NBC’s way of welcoming another year.



HEC Intra-NUST Declamation Contest 2016

HEC Intra-NUST Declamation Contest 2016 was held at NBS on February 8, 2016. The event was organized by NUST Debating Society. The top two participants from each category, i.e., English and Urdu, were to qualify for the next round of HEC Allama Iqbal Shield Declamation Contest of three rounds.

The speech competitors enthralled the audience with their impressive speeches. Ailia Shahid Hashmi of MCS secured first position in English Category for the topic, "Injustice anywhere is a threat to justice everywhere". She was presented with a shield and certificate along with prize money of Rs. 20,000 and has qualified for the regional level HEC Allama Iqbal Shield Declamation Contest. Her achievement was also recognized and appreciated by Commandant MCS



Major General Amjad Ahmed Butt who presented her with a pen as a token of appreciation.

Trip to Packages Pvt Ltd.

The Department of Industrial Biotechnology, ASAB organized an educational trip to Packages Private Limited Lahore on February 12, 2016. The initiative was taken by Head of the Industrial Biotechnology Department, Dr Sadaf Zaidi and faculty member Dr Hussnain Janjua with an aim to strengthen the industrial linkages/collaborations of ASAB with Packages Pvt Limited. The visitors included 15 students who were accompanied by faculty



members Dr Hussnain Janjua, Dr Fazal Adnan, Dr Shahrukh Abbas and Lecturer Tahir Baig. The group received a warm welcome by Ms Sameeha Fazeel from the R&D department, who later provided a brief overview of the company’s aims and objectives. Both the students and accompanying faculty members took considerable interest in the industrial processes. The possibility of establishing prolific collaborations between the Department of Industrial Biotechnology, ASAB and Packages Ltd Lahore was also discussed.

Paragliding course pulls in overwhelming response

MCS Adventure Club and ASPT Kakul provided an opportunity to the students of MCS to avail the paragliding course. The response of the students was very positive. The course was organized from January 25 to 28, 2016 with a total of 40 participants. It was conducted by a highly trained staff and professional gliders of ASPT Kakul. The schedule of the course was as per internationally approved safety and high training standards.

The course consisted of various stages. Students were given basic information about equipment over a period of one day. The second stage – ground handling – consisted of the use of equipment in the field and handling procedures practically demonstrated by the staff. This stage also lasted for one day for the students to get comfortable with the equipment. For the third stage, students were given a chance of basic gliding in the hilly areas near

Khanpur known as Mung. Two different heights were selected for the jump i.e. 50 meters and 150 meters. Initially, all students glided from the 50 m height to gain confidence. The 150 m jump was conducted afterwards under complete supervision of staff. All 40 students completed the course successfully. The discipline and conduct of the students was highly appreciated by the conducting staff.

Certificates and insignias were awarded to the students by the Comdt ASPT. Hence, considering this event as a productive and prolific activity for developing good extracurricular traits in the students, MCS aims to continue to provide such platforms to its students in future as well.

The adventurous activity is not only a great outdoor sport but also one of the best ways to inculcate a sense of comradeship, fearlessness and courage.

Trip to Shahdra Valley

A field trip to the beautiful Shahdra Valley was arranged for a group of ASAB students on February 25, 2016. This educational trip was organised for the undergraduate students studying the core course “Marine Biotechnology”. The main purpose of this trip was the collection and analysis of different fresh water algal species. The trip provided the students a great opportunity to observe and collect various different algal species from their natural habitats. These samples were later examined microscopically in a laboratory at ASAB. The students not only enjoyed the field trip to Shahdra but also gained knowledge and enhanced their level of understanding through practical experience.



Party for high achievers of EME College

With a view to acknowledging students' meritorious academic achievements, a special party was arranged on December 30, 2015 at College of E&ME. College Commandant Brigadier Aftab Ahmad Khan Lughmani graced the occasion as chief guest and awarded merit certificates to the students achieving CGPA ≥ 3.90 and GCs getting CGPA ≥ 3.5 . The party was arranged in the lawn of the college and was attended by the faculty members as well. The talented students expressed gratitude to the administration for acknowledging their outstanding performance in academics.

Meanwhile, in recognition of the achievements made by EME College students in co-curricular activities, a merit certificate award ceremony was organized at the college on December 30. Brigadier Aftab Ahmad Khan Lughmani, Commandant College of E&ME, was chief guest at the ceremony and awarded merit certificates to the students.



Team CAE grabs first position at Air Ex

CAE team took part in Air Ex 2015 competition held at GIKI Topi. Teams from all over Pakistan participated in competition, which comprised six different modules. Team CAE took part in three different modules namely XePac 2.0, Max Drag and Lithe Copter, winning first position in Xepac 2.0 and second position in Lithe Copter modules.

College of EME holds COMPPEC

Computer Project Exhibition and Competition, COMPPEC, was recently hosted by Department of Computer Engineering at College of E&ME. Being one of the most prestigious technological events held in Pakistan, COMPPEC provides students with a chance to display their skills in programming, software applications and hardware implementation.

COMPPEC '15 was a two-day event. The three categories it encompassed this year were: Electro Mechanical Systems, Embedded Systems and Software & Mobile Apps. This year more than 50 projects were displayed by different universities with each one having something unique. The judges were impressed by the vision of students depicted through their projects. The top 3 projects from each category were given cash prizes.



Guest Night at PNEC

A guest night was hosted at PNEC to bid farewell to the graduating students. Their families were also invited. Vice Admiral Syed Arifullah Hussaini HI(M), TBt Commander Karachi graced the occasion with his presence. The PNEC students staged a variety of performances to the amusement of a large number of people attending the dinner.

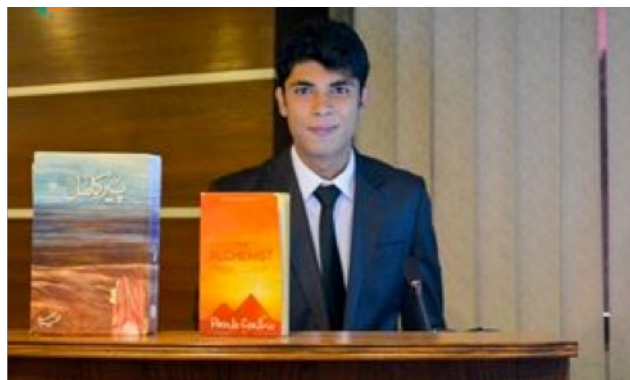
At the occasion, cash prizes were also given to the researchers of PNEC to acknowledge their efforts. A song for PNEC, composed by student officers, was also sung at the memorable night.



Adbi Nashist: a book discussion circle

NUST Book Club, continuing its tradition of promoting literary culture at NUST, organized *Adbi Nashist*, a book discussion circle. NBC plans to host these discussion circles on monthly basis.

In the first session, the books under discussion were *The Alchemist* by Paulo Coelho and *Pir-e-Kamil* by Umera Ahmed. The initiative by NBC was received with a full house. Participants shared their thoughts on their favourite books and had some very heated discussions. The event accomplished its purpose of rekindling a passion for literature.



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Bring on your Game!

SPORTS

Fatima, Ifrah win gold at Saadia Khan National Ski Championship

Saadia Khan National Ski Championship was organized by Ski Federation of Pakistan at Naltar, Gilgit Baltistan from January 20 to February 4, 2016. Fatima Sohail (S³H) and Ifrah Wali (NBS) were picked to represent the HEC team at the championship. As many as 56 players represented nine teams from across the country.

Fatima secured 1 Gold and 1 Silver Medal in Slalom & Giant Slalom, whereas Ifrah bagged 1 Gold and 1 Bronze Medal in Giant Slalom & Slalom, respectively. Spectacular performances by both athletes enabled HEC to win National Women Ski Championship for the third time consecutively.

By virtue of these achievements, Fatima and Ifrah have been selected for Ski Training Camp for Winter Olympics 2018.



Sara clinches bronze at 12th South Asian Games 2016 - India

Sara Mansoor, a student of MS Mass Communication at S³H and a top-seeded tennis player of Pakistan, won bronze medal in the women's singles event at the 12th South Asian Games 2016 in India.

She defended the position against Bijesha Shreshta of Nepal and gave an outstanding performance by winning the first two sets by 6-1 and 6-2, respectively.



Other Achievements:

Sara Mansoor is a right handed baseline player of tennis. She started her career as a junior player in a Tennis Camp at GHQ Tennis Club which led her to an Under 14 event where she got her breakthrough and debuted as a professional player.

Her tennis journey covers successful wins in National as well as international events. She took part in Islamic Games 2005. She holds accolades in All Pakistan University

Games and abroad (in Thailand).

Her constant struggle, hard work and family support led her career to new heights. She represented Pakistan in Federation Cup (Fed Cup) held in India (2015), Kazakhstan (2013 & 2014), 17th Asian Games in South Korea (2014), China (2012), and Thailand (2011).

Sara's biggest achievement is a bronze medal in ladies singles event in South Asian Games (SAF) held in India. In the 1st match she

beat a Bangladeshi player by 2-0 (6-0 & 6-0) and in the 2nd match she defeated a Nepali player by 2-0 (6-1 & 6-0). Sara is the 1st female player in the entire history of national team to get a bronze medal in a ladies singles event.

Sara is carrying her family name in sports as her grandfather Maj (R) Abdul Rashid was a legendary boxer, who also served as a judge and coach for Pakistan Army and national team.

Intra-NUST Volleyball Championship

Intra-NUST Volleyball Championship was held from February 26 to 28, 2016. Teams from NUST constituent colleges participated in the event. Military College of Signals (MCS) and Military College of Engineering (MCE) qualified for the final, which was played at Risalpur. After a thrilling contest, MCS managed to lift the trophy.



MCE Badminton Championship

MCE Badminton Championship was organized from February 29, 2016 to March 3, 2016. As many as 48 individuals participated in the singles event, while a total of 24 teams took part in the doubles event. Final matches for each of the categories were played on March 3 at Farhad Sports Complex. Technical Cadet Bilal Qasim (CED-81) won the singles title, whereas the doubles went to NUST Student Faisal (CED-79) & NUST Student Azhar (CED-83). Brigadier Basim Saeed, Chief Instructor (CEMS), graced the occasion as chief guest, and distributed the trophies and medals amongst the winning players.



CAE seizes Intra-NUST Football Competition 2015-16

CAE Football team participated in Intra-NUST Football competition held at MCE Risalpur. The tournament was played on knockout basis. A total of five teams including H-12 Campus, MCS, MCE, CAE & C of E&ME, participated in the competition. The final match was played between CAE and MCE, which was taken away by CAE by 1-0. The team showed outstanding performance and brought laurels to the college. Commandant CAE appreciated the performance of the team. All the members were awarded Letters of Appreciation from the commandant.

5 COMMUNITY SERVICE

CSL workshop on firefighting

A workshop on firefighting, under the Community Service Learning (CSL) program, was held at NIT on February 25, 2016. Master Ayub, a teacher with ample experience as a firefighter shared his knowledge with the students. The students were also engaged in a practical demonstration of firefighting and rescue operation.



NCSC team visits Agosh Orphanage

An NCSC team visited Agosh Orphanage on February 6, 2016. The children were overjoyed to greet the team at the orphanage. They were then divided into groups of ten with four Nustians supervising each group for the activities.

Each team was given a unique name as suggested by the children like "Super Afridi", "Avengers", etc. The children were at full ease and played different games in circles. The idea behind the visit was to boost the thinking and improvisational skills of children. And as expected, the children came up with creative stories with beautiful morals.



ful morals.

As the time for the team to leave drew closer, the children insisted them to stay. However, the

NCSC members treated the little souls with sweets and returned with a promise to visit again soon.

School Teaching Project

A team of students from NUST paid two visits to a school at Policelines, Islamabad to equip them with the skills necessary to use a computer. The children were taught the very rudimentary concepts of computer usage. They were introduced to the hardware components of a computer and were taught how to complete simple tasks such as copying, pasting and deleting data, minimising and maximising windows and changing desktop wallpapers.



TABA holds book fair



It has become a tradition for TABA Youth Chapter to hold a book fair in the opening days of a semester to provide students with an easy access to course books. At the end of each semester, many students are left with books they do not require anymore. TYC collects books from such students who are willing to donate them. These books are offered to students at discounted rates and save them from going book hunting in markets.

In this connection, a book fair was held on from February 8 to 9, 2016 during the 2nd week of the new semester. The visitors showed keen interest in books of Physics, Calculus, Electronics and Programming. TYC managed to collect Rs. 21,650 from the sale of books over a period of two days. The funds collected from the fair are aimed to be spent on projects being offered under the umbrella of CSL courses currently undertaken by final year students.

TABA hosts “Seekers of Fortune”

TABA Youth Chapter recently hosted the first-of-its-kind, multi-themed treasure hunt "Seekers of Fortune" at the Islamabad campus. The event was a success with 16 teams taking part in it. The participants had as much fun solving the clues as the organizing team had making them.

There were four themes, each associated with a separate quest to solve. These included "The Wolf of Wall Street, The Murder in the Woods, The Mystery of Davy Jones and The Stolen Art, Up for Sale. Each had its own interesting narrative and well thought

out clues".

The organizers put in a lot of effort to make the narratives and the clues as interesting and genuine as possible. The decor team did a great job with the charts and accessories for the registration desks as well as for the quests. The amazing decor made the hunt all the more interesting.

The top three teams were awarded cash prizes. Team Fukrey stood first with 280 points, while Team Megan Fox got the second place with 235 points and Team Nikki took the third spot with 230 points.



Students of Pak-Turk School experience NUST



NUST Community Services Club (NCSC) held an offshoot of its main event "Experience NUST", when a delegation of 12 students from Pak-Turk School, Karachi visited

NUST on February 26, 2016.

The students were introduced to the application process of NUST, dates to be remembered, NETs and an overview of the official

website. The visitors were then led to different laboratories at School of Mechanical and Manufacturing Engineering (SMME).

CSL orientation sessions for freshbies

The Community Service Learning (CSL-401) course orientation sessions were held from February 2 to 4, 2016 at the SCEE seminar

hall.

The students were briefed about NUST Community Service Club (NCSC) and the projects it

had done previously with regard to facilitating the students of CSL via multiple projects.



List of Abbreviations (NUST Institutions/Schools/Directorates)

NBS	NUST Business School
ASAB	Atta-ur-Rahman School of Applied Biosciences
SADA	School of Art, Design and Architecture
SCEE	School of Civil & Environmental Engineering
NICE	NUST Institute of Civil Engineering
NIT	National Institute of Transportation
IESE	Institute of Environmental Sciences & Engineering
IGIS	Institute of Geographical Information Systems
SCME	School of Chemical & Materials Engineering
SEEC	School of Electrical Engineering & Computer Science
SMRIMMS	Samar Mubarakmand Research Institute of Microwave and Millimeterwave Studies
SMME	School of Mechanical & Manufacturing Engineering
S³H	School of Social Sciences & Humanities
SNS	School of Natural Sciences
CAE	College of Aeronautical Engineering
CEME	College of Electrical & Mechanical Engineering
MCE	Military College of Engineering
MCS	Military College of Signals
PNEC	Pakistan Navy Engineering College
NIPCONS	NUST Institute of Peace & Conflict Studies
C³A	Center for Counseling and Career Advisory
USPCAS-E	US Pakistan Center for Advanced Studies in Energy
RCMS	Research Center for Modeling & Simulation
CIPS	Centre for International Peace & Stability
CIE	Centre for Innovation & Entrepreneurship
CDC	Career Development Center
CIE	Centre for Innovation & Entrepreneurship
PDC	Professional Development Center
TIC	Technology Incubation Center
ILO	Industrial Liaison Office
PSA	Publishing & Student Affairs
Acad	Academics
HR	Human Resource
P&MR	Press & Media Relations
QA	Quality Assurance
P&D	Planning & Development
CAC	Corporate Advisory Council
ORIC	Office of Research Innovation & Entrepreneurship
TIC	Technology Incubation Center

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