



Bi-monthly Newsletter

National University of
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25^{Years}
of Academic
Excellence



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



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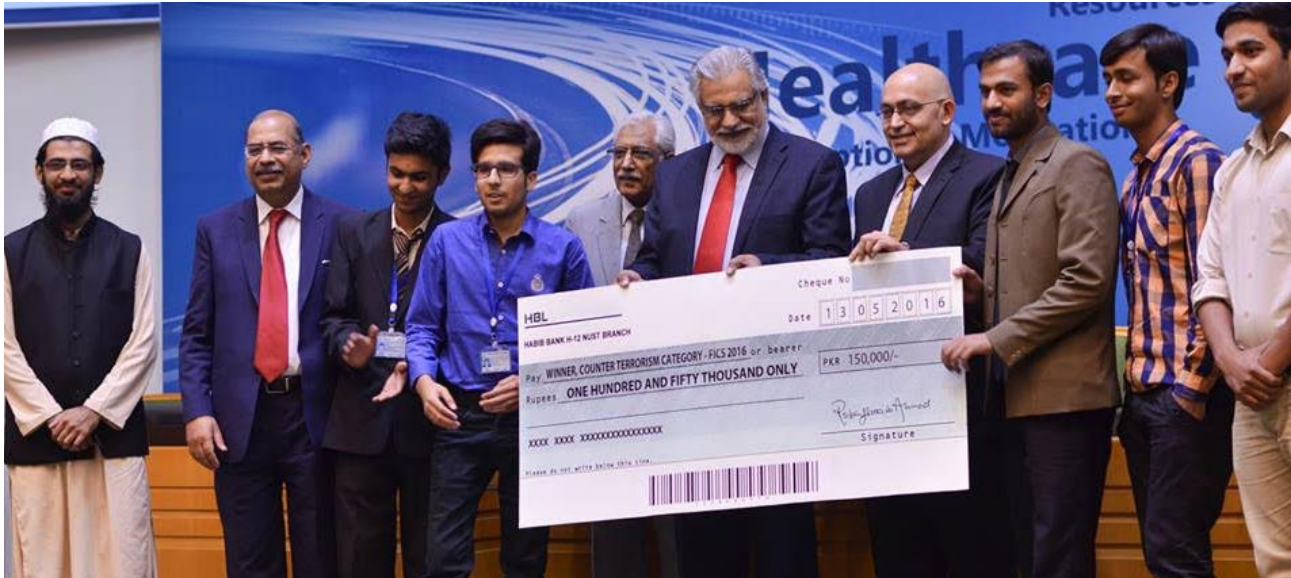
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1 IN THE SPOTLIGHT

FICS-2016 generates 250 innovative ideas



The prototype-showcasing session and closing award ceremony of Finding Innovative & Creative Solutions for Society (FICS-NUST-2016), a platform to foster social entrepreneurship, was held at National University of Sciences & Technology (NUST) on May 13, 2016. Dr Shahid Mahmud, CEO Interactive Group of Companies (IAG), was the chief guest on the occasion. During the course of technology-based event, the hard working and erudite young minds, who had previously passed the first two stages of this challenging yet rewarding competition, presented the prototypes of their projects to the panel of esteemed Industry judges. The jury, after a thorough evaluation of entries, announced the winners of the competition.

A team from SEECS-NUST managed to win the competition for their project "TAME" in the category of "Biomedical Engineering". They were awarded a cash prize of Rs. 150,000 sponsored by Rastgar Engineering. The special prize of Rs. 150,000 went to the talented students from National Textile University (NTU) for their project in the special category of "Counter Terrorism" named "STOP BULLET". The 1st runner-up team was from SEECS for their project "GAPS" in the category of "Healthcare" and was awarded a cash prize of Rs. 100,000, sponsored by PlumGrid. The 2nd runner-up was also a team from SEECS for their project "sIONser" in the category of "Environment" which was awarded a cash prize of Rs. 75,000. The consolation prize of Rs. 50,000,

jointly sponsored by IAG and Alfoze Technologies, was awarded to the project MDVPL in the category of "Education" to the team from MCS-NUST. Extending felicitations to the winners and runner-ups of FICS 2016, the chief guest appreciated students into playing their part in presenting innovative ideas. He said that academia as well as industry should focus their research on areas pertinent to the needs and requirements of the communities around. He termed FICS 2016 a great success for generating around 250 new ideas.

All the participating teams were also given a prototype development fund sponsored by Industry partners like; Crescent Steel & Allied Products (Pvt.) Ltd & Telenor Velocity.

In his address, Rector NUST Engr Muhammad Asghar congratulated the winners of FICS 2016. Terming the conduct of events such as FICS a good omen for Pakistan, he said that entrepreneurship was key to the fast-paced economic development of any country. He also emphasized on the importance of research and its utilization for the benefit of common man. He specially thanked Higher Education Commission (HEC) of Pakistan for extending support to NUST in its journey down the road to excellence.

Speaking on the occasion, Dr Arshad Ali, Executive Director HEC, congratulated the participants who were able to materialize their useful ideas. He maintained that he wanted FICS NUST to become a countrywide event.

NUST relief campaign for IDPs

Operation Zarb-e-Azb was launched by Pakistan Army to eliminate anti-state elements from North Waziristan. Consequent upon it, about 900,000 people of North Waziristan were forced to leave their homes to seek shelter in the settled areas.

Bakakhel IDPs Camp, Bannu, one of the largest camps established in March 2014, is presently accommodating approximately 6000 people constituting 1900 families, although IDPs have now started returning to their hometowns in a phased program. However, separate schools for boys and girls are being run by the Army. Presently, approximately 1000 students (both boys & girls) are studying in these schools with the staff comprising 35 teachers including female teachers.

NUST Community Services Club (NCSC) and students of NUST Business School (NBS), started fund-raising for the provision of stationery items to school children at the IDPs camp in Bannu. The students have managed to procure 500 school bags and stationery items like copies, coloured pencils and writing material.

In continuation to NUST relief efforts, NCSC decided to visit Displaced Persons Camp Bakakhel, Bannu which is located approximately 15 km North of Bannu on Bannu - Mir Ali Road. On May 21, 2016, a team of 4 students along with Deputy Director Administration NUST went to Bakakhel, DP Camp, Bannu. The students participated in the relief event included Mashood Ahmed, Ali Amir, Ifrah Wali and Fatima Sohail

The group was received by the Camp Commander. After the initial briefing by the Camp Commander, the group was conducted to two separate locations



for distribution of stationery items for boys & girls. Students distributed the items among boys and girls separately. After the distribution, the group visited the camp and interacted with the IDP families. As many as 500 schools bags along with stationery items were distributed at the Bakakhel Camp. After distribution, the team returned back to NUST the same day.



NUST, UWR explore new avenues for collaboration

Director United We Reach (UWR), Ms Sabahat Rafiq, visited NUST on May 12 and 13, 2016 with a view to strengthening the relationship between NUST and UWR. Having pledged to support 92 students, the focus of these visits was to augment the already established entrepreneurial ecosystem at NUST. Having been a venture capitalist herself, Director UWR appreciated ongoing research and development, product augmentation, and innovation being carried out at the institutional level.

With technological advancement, entrepreneurship, and innovation, as the three core pillars of NUST; and community services encompassing these fundamental aspects, UWR and NUST have agreed to collaborate and further augment the already established network of NUST. During the visit, Director UWR explored the possibility of connecting NUST incubatee businesses with angel investors and venture capitalists to help them achieve their optimum potential. Moreover, she also pledged to financially support the commercially viable, research and student projects, in order to have them brought into the entrepreneurial setup of the incubation center.



PPAF, NUST ink MoU

Pakistan Poverty Alleviation Fund (PPAF) and National University of Sciences and Technology (NUST) signed a Memorandum of Understanding to establish a PKR 2 million endowment for NUST students hailing from Balochistan. The ceremony was held at NUST headquarters in Islamabad on June 3, 2016. The signatories were Mr Qazi Ismat Esa, CEO PPAF and Mr Irfan Akhtar, Pro-Rector F&I representing PPAF and NUST, respectively. Besides the signatories, the session was attended by the top management of PPAF including, Mr Amir Naeem, Mr Naeem Siddiqui, and Ms Anita Bakhtiar.

General Manager University Advancement Office (UAO) opened the session by briefing about the initiatives being undertaken at NUST to support the financially-constrained students at NUST. These initiatives were applauded by the PPAF management who in return also offered to connect NUST with other PPAF partnering organizations. The session finally ended with a short briefing by Pro-Rector (F&I) on endowments, NUST investment policies, and donor recognition policy to yield the highest, and ensure the most significant impact.



NUST Olympiad 2016



MUCH like its previous editions, NUST Olympiad-2016 proved to be a roaring success. Coinciding with the silver jubilee celebrations of NUST and held at the main campus of the university from May 5 to 8, the event brought together students from schools, colleges and universities all across Pakistan.

This year too, NUST Olympiad, a much-awaited annual student-led extravaganza, catered to the wants of adventurous souls. It afforded participants a myriad of activities to showcase talent in their respective areas of interest. Some demonstrated their creative skills in arts, while others displayed their prowess on gaming consoles. It also brought an opportunity

for the best of sportsmen on the field or in the court. There were events for those who could win the hearts of audience with their strong oratory skills, or strategize well in their heads.

With the flag-hoisting ceremony, Pro-Rector Academics Dr Asif Raza opened NUST Olympiad 2016. He lauded efforts of the entire team and urged them to facilitate the participants to their best. He wished the participants and organizing committee a successful event ahead.

Olympiad carnival, the first of social events, was alive with all the mouthwatering goodies and thrilling rides. The smell of Tikka, Shawarma, Gola Ganda and yummy treats surround-ed the

participants. The music fans had a chance to see "Khumariyan" performing live. There was thrill all around. It was really a memorable evening.

Surrounded by the aura of fairy lights and excitement, the concert, on the second day, enthralled everyone around. The delegates who were tired of all the daily activities were pleasantly surprised and ecstatic throughout the event. The "Rock and Roll" band started off with a bang. Next up was "Soch", another band that was extended cheery applause as soon as they took up the stage and sang their famous song, "Awaari" to the delight of the crowd.

The momentum shifted from pop music to qawalli when Rizwan





and Moazzam were invited onto the stage. The crowd was mesmerized by the performance as they sat down close to the stage absorbing the music emanating from the instruments. The magic of Nusrat Fateh Ali Khan was brought back to life by his nephews making sure that the legacy continued.

Throughout the three-day activity, reporters of the event's publications team covered every bit of the grand event in The Olympiad Times. They roamed around the campus to find out what the participants, other than Nustians, thought about NUST and the Olympiad. We got some very interesting opinions.

One of the participants said,



"The event is very well facilitated for all kinds of sports and that is what I like the most." People from UET Peshawar had an absolutely amazing time at the carnival and thought that the electrifying performances and mouth-watering eateries were phenomenal.

Participants from Mirpur University Kashmir interviewed at "Minute to Win it" were very pumped up to be part of the unique event. The delegates from University of Haripur were totally flabbergasted by the grandeur of NUST. This is how he summed up his emotions "aik jagah say café Janay kay liaye bhe taxi pakarni parti hai bhai". The very exuberant team from NFC Faisalabad was very pleased with the food at NUST Olympiad. "The aroma of "Lahori Karhai" has fetched us to the food stalls," exclaimed one of the teammates. The team from University of



Lahore, Gujrat Campus happily posed for a picture, their faces gleaming with triumph even in the scorching heat because they had just won a match against another university. Congratulations guys! The team from SKANS generously complimented the OC, saying "Hats off to the wonderful arrangements for the Olympiad".

The night of May 7 will be remembered by many for years to come. NUST Olympiad 2016 Formal Dinner, themed "Blue and White", brought the night sky and the stars treading the pathways of NUST. The ladies availed the chance to bring out their regale gowns and dressed up in lace,



Olympiad 16

floral azures and moonlight blue silks. Everyone adorned them-selves with precious sapphires, creamy white pearls for the most so-phisticated evening of the Olympiad. Men brought that old James Dean classiness back with those crisp white shirts, silver cuff-links and the perfect tie. But the ones in kurtas and waistcoats shone bright too!

The most significant feature of the evening was the presence of work-force that had served NUST over a period of 25 long years with utmost commitment and perseverance. In his address, the chief guest, Prin-cipal Research Center for Modeling & Simulation (RCMS) Dr Ahmed Ejaz Nadeem, praised the relentless contributions of all those who made NUST reach its present stature. He also commended the organizers of NUST Olympiad 2016 who made this mega event possible.

Rector NUST Engr Muhammad Asghar graced the closing ceremony of the event as chief guest. He congratulated the winners of various competitions, and the organizers for the smooth conduct of Olympiad 2016.



NSS hosts “Twin City Rubik’s Cube Skill Demonstration and Competition”

NUST Science Society (NSS), in collaboration with the Hungarian Embassy, hosted “Twin City Rubik’s Cube Skill Demonstration and Competition” at the SADA auditorium on May 12, 2016. The Administration Directorate and Publishing & Students Affairs Directorate facilitated the conduct of the event. The event welcomed the talented young minds from Islamabad and Rawalpindi to take part in the competition.

Mr Hunor Bozsing, the 18-year old professional cuber from Budapest and the youngest Hungarian to solve the Rubik’s cube, was the special guest at the occasion. The skilled youngster has a personal record of solving the Rubik’s Cube in 6 seconds and his name aces the list of talented individuals by World Cube Association.

The event commenced with the opening speech by Pro Rector Mr Asif Raza, who warmly welcomed the revered guests from Hungarian Embassy. Reciprocating, the Hungarian Ambassador, on behalf of the Hungarian Embassy and the Ministry of Foreign Affairs of Hungary, expressed pleasure on being invited at NUST and lauded the efforts of the event organizers. He appreciated the fact that NUST was ranked among the top 150 universities of the world. The esteemed guest mentioned the contributions of Hungarian masterminds and scientists in the field of art, literature and science. Afterwards, a documentary showing the inventions by Hungarians was



screened.

The audience were then introduced to Mr Hunor Bozsing through a short video demonstrating his adeptness and dexterity in solving the Rubik Cubes of different sizes, i.e., 2x2, 4x4 and 6x6 cubes, which left the audience in awe.

The maestro, Mr Hunor Bozsing, was then invited on stage to showcase his skills live in front of everyone. The talented youngster began with explaining the basic structure of a 2x2 cube and the difference between the formation and building of a small cube and the larger cubes. He explained how to solve each size of Rubik cube separately. The largest cube displayed by him in the competition was 7x7 cube and he took about 4 minutes to solve it. The professional cuber then went on to display the intricate designs of various puzzles he brought with him,

which included the prism-shaped puzzles. He described that 3D movement of the small boxes of Rubik box followed specific algorithms and each face had its own algorithm. He concluded by advising the participants to follow two important steps while solving the Rubik cube, i.e., Logical thinking and Application of Knowledge.

After an elaborate session by Mr Hunor Bozsing on the tactics to solve the famous Rubik case, the participants from twin cities of different age groups were then invited on stage one by one to try their luck and techniques in this challenging game. The activity was timed and the participants were given cubes of larger sizes as they succeeded in solving the smaller ones. Later, the contestants who secured first five positions were awarded certificates and medals.



ASAB faculty secures research grant

Dr Muhammad Faraz Bhatti (PI, ASAB, NUST) has secured a research grant worth 5.9 Million PKR from Higher Education Commission of Pakistan under the National Research Program for Universities (NRPU) initiative. The grant has been awarded for the project entitled "Identification and characterization of mycoviruses invading Botrytis species to exploit their potential as a biocontrol agent". The study will be aimed at enhancing understanding regarding the emerging field of fungal virology and investigating alternate options to control Botrytis species (a destructive pathogen of fruits and vegetables), through natural means without imposing harmful effects on the environment.



Dr Tahir wins additional grant



Dr Muhammad Tahir, Assistant Professor and Head of Plant Biotechnology Department, Atta-ur-Rahman School of Applied Biosciences (ASAB), has secured an additional grant of \$20,000USD from USDA (United States Department of Agriculture) and ICARDA. The grant has been awarded for the project entitled "Development and validation of cotton-infecting begomoviral induced cell death via a modified betasatellite containing the Cyt c gene". The study will be a step further in finding a promising solution for leaf-curl disease of cotton caused by Begomovirus.

Dr Muhammad Tahir has also received Research Productivity Award by Pakistan Council of Science and Technology for the year 2015-2016 based on his research output. Pakistan Council of Science and Technology collects, compiles and analyses data of individual scientists for Directory of Productive Scientists of Pakistan (PSP).

Student bodies' office-bearers administered oath at MCS

Upon successful completion of selection/election of MCS student societies and clubs on April 19, 2016, an impressive ceremony was held on May 11, 2016 to formally swear in the newly elected office bearers of MCS Telecomm Society, Software Society, Literary & Debating Club, Sports Club, Entertainment Club and IEEE MCS Students Branch.



The chief guest on the occasion was Director Publishing and Student Affairs NUST, Dr Safdar Ali Shah. The ceremony started with recitation from Holy Qur'an. A brief overview of the organisation of MCS Societies and Clubs was presented. The Chief Guest then administered the oath and decorated the newly sworn-in office bearers of all societies and clubs for the year 2016-17. In his remarks, Dr Safdar Ali Shah urged the students to organize regular events and activities at MCS. He explained the evolution of extracurricular activities into co-curricular activities and connected them with wholesome grooming of

students into mature individuals with emotional intelligence. He said that successful leaders are found to have a higher emotional quotient than the average population.

In his closing remarks, Dean MCS Col Dr Asif Masood thanked Dr Safdar Ali Shah for his patronage. He stressed upon the need of renovated enthusiasm and vigor among student societies and clubs to organize a variety of healthy activities. Later on, the Chief Guest called on Commandant MCS, Maj Gen Amjad Ahmed Butt. The Commandant presented the College souvenir to the chief guest and thanked him for his support towards MCS students.

2 VISITS

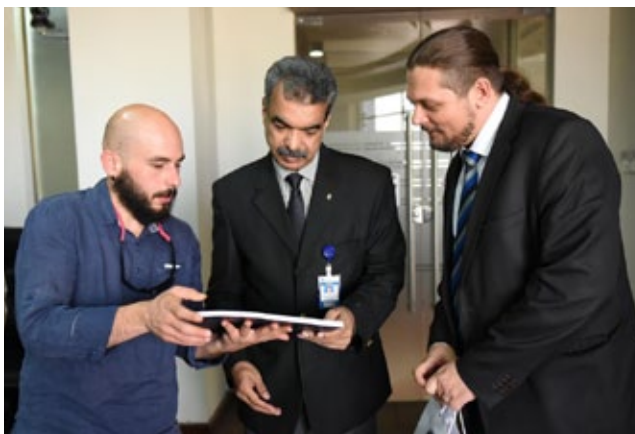
Yasar University, Turkey

A four-member delegation, led by Mr Levent Gasgil, Director International Office Yasar University, Turkey visited NUST on June 2, 2016. Upon arrival, briefing was given to the delegation about the institutions, programs, research initiatives and future plans of NUST. The delegates in their remarks greatly admired

the NUST teaching and research programs along with infrastructure and facilities provided for its faculty and students to ensure quality teaching, learning and research.

The delegates also visited NUST School of Arts, Design and Architecture. Head of the delegation thanked NUST officials

for welcoming them and expressed that relationship between NUST and Yasar University would continue to develop further and lead to even more interaction and collaboration between academics and students from the two universities in the areas of joint research, fellowships and exchange of faculty and students.



FireEye Founder visits SEECs

Mr Ashar Aziz, founder of FireEye, recently visited SEECs. He leads both the technical and business strategies of FireEye as CTO and CEO. As the original inventor the Malware Protection System technology, FireEye filed for 18 patents. SEECs as one of the leading schools of NUST in engineering fields of electrical, software and computer sciences, through its research and student projects, caught the attention of



the Silicon Valley giant. Mr Ashar was not only impressed by the innovative solution designs, but was also intrigued by some of the projects, he believed as to be commercially viable. Besides the interest in virtual security, Mr Ashar also has particular interest in the fields of networking, network security, cryptography and data center visualization, for which he has 20 received patents. The idea of integrating the community and social services aspects within the realms of product development intrigued the FireEye founder, which was reflected by his intent to take some of these projects to the stages of prototyping and commercial development.

Japan International Cooperation Agency Team at NICE

Japan International Cooperation Agency (JICA) is offering various projects for Socio-Economic development of Pakistan. In order to offer research collaboration, JICA team headed by Ms Junko Komoto JICA expert (project coordinator) visited NICE on May 11, 2016. Team was received by Prof. Dr Syed Ali Rizwan and Lab Engr Fawad at 1145 Hrs. Team along with NICE representatives first visited Computer Lab where they were allowed to interact with the students performing Autocad lab tasks. In the lab, team was briefed about the utility of Computer lab and the software facilities provided in the lab. Then they moved to Structures lab where they were briefed by Dr Syed Ali Rizwan about the modern research equipment available in the lab and also about the utility of this lab in commercial testing as well as in research field. After this team moved to Geotechnical



Lab where they were briefed by lab Engr Ameer Hamza about the available equipment used for commercial testing and research purposes. Team was also informed that both the structures and Geotech labs are accredited by Pakistan National accreditation Council (PNAC). After this, team visited Hydraulics lab where they were briefed by Lab Engr Zulfarnain regarding highly demonstrated equipment used in the field of hydraulics engineering.

At the end, team moved to survey lab where Lab Engr Nasir Ali demonstrated the modern survey equipment available in the lab that can be used for research and development purposes. Ms Junko Komoto appreciated the research facilities available in NICE labs. After this guests were served with cold drinks and a souvenir was presented by NICE to Ms Junko Komoto. The team departed at 1250 hrs from NICE.

Ministry of Science, Research and Technology (MSRT), Iran Delegation

Vice Chancellor and Directors from Ministry of Science, Research and Technology (MSRT) Iran visited NUST on May 26, 2016.



3 CONFERENCES & WORKSHOPS

Seminar on “Image-based Modeling using Simpleware and Numerical Solver” at RCMS

Research Center for Modeling and Simulation (RCMS) organized a two-day seminar on “Image Based Modeling using Simpleware and Numerical Solver” at Supercomputing Research and Education Centre, RCMS on May 19 to 20, 2016. The participants were from a variety of disciplines including mathematics, chemistry, physics and computational sciences from within and outside NUST.

The main purpose of the seminar was to introduce cutting edge research employing image based modeling and Finite Elements. The resource person Dr Zartasha Mustansar, Assistant Professor at RCMS has a PhD from the University of Manchester, UK and is currently engaged in the Biomedical Engineering research pertaining to Image Based Modeling using finite elements at RCMS, NUST. She talked about applications of image based modeling in various engineering disciplines, to address real-time problems in the society.

The seminar started with the welcome address by the HoD research at RCMS, Assistant Professor Dr



Adnan Maqsood. The seminar offered an exciting and rewarding experience to the participants and opened new avenues of research collaboration at RCMS. At the end of the seminar, Engr Sikandar Hayat Mirza, head of Computational Engineering Department distributed certificates among the participants and the organizers.

Short course on “How To Write a Technical Research Paper” held at MCS

Dr Abdul Rauf (CI (E) MCS, NUST) conducted a one-day PEC CPD short course on “How to Write a Technical Research Paper” on 18 May 2016. This course was designed to enhance the writing capabilities of professionals who are interested to share their professional knowledge and research experiences in the respective fields through quality publications. The lecture covered the important aspects related to writing a technical research paper including the basics, prewriting phase (planning and organization), types of research paper, structure of a research

paper, writing strategies, time management, avoiding plagiarism, paper submission, handling peer review comments and concluding with useful tips, tricks and advices. The prime objective of the course was to identify and conceptualize the essential steps required in writing a research paper. As an outcome of attending this course, the participants of this course would be able to produce a quality research paper worth publication in a quality international journal / proceedings of an international conference. In the end the participants were given certificates carrying one PEC CPD credit point.



Lecture on Plagiarism

MCS in collaboration with HEC organized a lecture on plagiarism. Mr Munir Ahmed (Dy Dir Quality Assurance HEC) delivered a lecture on plagiarism on 20 May 2016. Mr Munir Ahmad has vast experience on conducting such lectures at various universities and institutions. Faculty members and masters and PhD students of MCS attended the lecture. The lecture consisted of two sessions. First session covered the important aspects of plagiarism, reasons of plagiarism, its prevention roadmap, HEC policy on plagiarism, responsibilities of institution, faculty and students. Different punitive measures and penalties for defaulting students and faculty were covered in the lecture. In the second part of the lecture, hands on practice on plagiarism checking tool TURNITIN was carried out, different features of the tool were explained. Students and faculty members keenly participated by asking questions covering different aspects of plagiarism. It was an informative and interesting lecture which kept all the audience engaged throughout.



Orientation Session with Institute of Chartered Accountants of Pakistan (ICAP) at NBS

In connection with the series of guest speaker sessions with all the accounting bodies, another session was organized by Ms Fariha Wajid from NUST Business School at NBS Seminar Hall on Wednesday, 4th May 2016 to enlighten students about the profession of Chartered Accounts and the excellent career opportunities that this profession has to offer in Pakistan.

Students from BS Accounting and finance program took part in the two-hour presentation session. The session commenced by a corporate and testimonial videos on ICAP. Later, Ms Badia Raza, Director MARCOM, ICAP took over the dice by further elaborating her personal life experience and how it feels like to be part of ICAP team. Mr Shehzad Yousaf, Chief Internal Auditor PTCL & Ufone.

The session was designed to aware the students that regardless of whatever profession they intend/



choose to do later in their academic life, these sessions will facilitate them in taking well informed decisions. While getting firsthand information about any queries related to the qualification and its scope.

In the interactive question hour, the students asked several questions. Ms Badia Raza appreciated the students' knowledge on current scope of the subject and responded to questions, including those about advantages and challenges of the premier accounting profession.

Seminar on “Importance of Water in the Light of Qur'an & Sunnah and Ways of its Saving”



Water is life and one of the blessings of Almighty Allah. The per capita water availability in Pakistan that was 5300 m³ at the time of independence has reduced to about 1000 m³ mainly due to increase in population. This is the level where a country is considered water scarce. In spite of this situation, we continue using water lavishly and waste most of it. There is a need to realize the importance of water and stop wasting it. In the Holy Qur'an which is a complete way of life, there are about 63 verses that exclusively speak about water. Similarly, there are several Hadiths which elaborate the importance of water. Moreover, the word “Shariah” means source of water or the way which leads to the water. In both cases, the importance of water is very clear.

Keeping in view prevailing water shortages and its issues, Chairman Pakistan Council of Research in Water Resources (PCRWR), Dr Muhammad Ashraf was invited as Guest Speaker by the NUST Institute of Civil Engineering (NICE) on 4th May 2016 at SCEE Auditorium to highlight the importance of water in the light

of Holy Qur'an and Sunnah as well as to introduce the ways to stop water wastage in agriculture and domestic uses.

Dr Ashraf emphasized on the fact that a lot of water is wasted in houses e.g. the tap remains open while brushing and shaving. About 150-200 liters of water is wasted due to leakage from taps. Precious cold water is wasted while waiting for hot water to come out from the geyser. Plenty of fresh and clean water is wasted while washing homes and vehicles. Why it is so? Because, we do not realize the importance of water, it's increasing shortages and impacts. How much water is precious we can learn from this example. Water evaporates from sea, travels thousands of kilometers with the will of Almighty Allah and condenses at some place and finally falls to earth in the form of rain/snow. This water is stored in dams/ponds or seeps into the underground to become part of groundwater. Groundwater is pumped by spending energy. Filtration is carried out to supply water to homes. Chlorination is also carried out at some places. Water is now pumped into overhead tanks

which again requires energy in the form of electricity and is supplied to homes. This water is again pumped into household overhead tank which requires electricity. Finally, the water which we receive after great efforts and spending a lot of resources is wasted easily and thrown into the waste water. There is a need to realize the importance of water and treat it as one of the blessings and gift of Almighty Allah. Dr Ashraf quoted many verses of the Holy Qur'an which explains the importance of water. Also Dr Ashraf highlighted the important role of trees by informing the audience that one mature tree provides oxygen to about 16 persons and provides about 6 ton oxygen per year. The Holy Prophet (PBUH) said “Planting a tree is a Sadqa-e-Jariah” i.e. unending reward for a welfare work. A tree provides us fruit, flower, shade, food and harbor for birds. It protects soil from erosion and helps to recharge the groundwater. It plays an important role in cleaning the environment and most importantly provides oxygen. So where planting a tree is a “Sadqa-e- Jariah”, its cutting without any reason is like a murder.

Seminar on “Price of Freedom”

NUST *Bazm-e-Pakistan* (NBPK), organized an interactive session under the name “Price of Freedom” with Mr Qasim Ali Shah, a renowned trainer, counselor, author and a columnist. He writes in several newspapers and hold training sessions in different universities and institutions of Pakistan. It was on May 18, 2016, that he delivered a speech at SCEE, NIT Auditorium. It aimed to cover, "the topic of freedom and the problems we faced in the process of getting Independence and how to brighten the future of Pakistanis". The event started with recitation of the Holy Qur'an.

A short welcome address by the president NBPK took place before the guest speaker made it to the stage. To start, the guest speaker came with some heart-rending videos depicting the miseries the Muslims in the freedom movement. The videos were accumulated with some images showing the helplessness and the grief-stricken conditions of Muslims in that epoch. The guest speaker dwelt on all the factors regarding country's past, present, future successes and failures. Paying tribute to Abdul Sattar Edhi and calling him the inspiration for himself, Qasim Ali Shah went on with some videos having the interviews of several Edhi beneficiaries. Edhi, man of will, as supported by the visuals will remain our hero, he added. He (Edhi) changed the destinies of thousands of Pakistanis since the inception of Edhi foundation. He started his talk by praising Iqbal and his undeniable contributions towards the creation of Pakistan. He further added that "the journey from Good to Great" (A book of Jim Collins, as he referred.) was out-rightly linked with our realization of responsibilities. “What have

we given to Pakistan?” was the formula he gave to the jam-packed hall in order to get success in life. He remained a man of

Mr Qasim also praised NUST and precisely the NBPK on its struggle and efforts towards the promotion of Culture and Pakistan-ism.”



neutral viewpoint often using the Punjabi quotes and maxims. He had a vision that resonated with the voice of the people in the questions and answers' session followed after. The Speaker further said that anyone can be a good leader, if they have faith in themselves and take the right steps making right decision in life. While addressing the students, faculty members and the Rector NUST, he told how being confident can lend you mountains of victories in your professional fields. Highlighting the importance of managerial skills, public speaking, PR, HR, interpersonal skills and the confidence building, he further cited a few anecdotes from his training sessions at different colleges and universities,

The speaker also touched upon some moral and ethical problems found in the youth and even sometimes in the older generation of Pakistan, saying that due to lack of education and awareness, Pakistan is losing a lot from an Islamic point of view. He closed the house for further discussion with a brief question and answer session. After some questions from audience were answered, in the end a zealot guitarist came up to stage and sang a national song. Presented the shield to chief guest by Associate Dean, ceremony came to an end. The Executive body had a photograph with Guest speaker and the NBPK's another successful year came to a conclusion.

Session on "Conflict Management"

A psychologist from C³A conducted a session on "Conflict Management" from May 2 to June 3, 2016 for the faculty and staff. The purpose was to make the audience understand how conflict develops, and how to cope up with the situation of conflict at work place. Conflict is the root cause of personal and social change. Hence, the organizations have conflict



because of its ever changing environment. It prevents stagnation, stimulates interest and curiosity. In such cases, conflict management skills and tactics plays vital role to deal with the conflict. The session ended up with the encouraging feedback of the participants.

Open House, Project Display at MCE

A graceful Open House ceremony of Military College of Engineering was held on May 25, 2016. It was the 6th successful Open House conducted by Military College of Engineering.

Besides students and faculty members, a large number of guests from various prestigious organizations of the construction industry witnessed the Project Display. Major General Muhammad Ajmal Iqbal, HI (M), Commandant MCE, graced the occasion as a chief guest and witnessed the expertise of our graduating engineers displayed at project stalls in Open House.

The purpose of this event was to provide a platform to our graduating engineers to present their ideas to public through an interaction with industry and academia. This year a total of 26 projects were displayed at open house which exhibited the hard work of our dedicated students and faculty. These projects were certainly a deliberate effort and logical attempt to find solutions to the problems faced by Pakistanis construction industry today.



C³A psychologist delivers lecture at QAU

National Institute of Psychology (NIP) invited a C³A psychologist to deliver a guest lecture for M Phil students at NIP, titled "Assessment and Diagnosis in Counseling". The lecture was held on 2nd June 2016. The students were made aware of the counseling skills and tools and how to manage their clients according to their respective needs. A case study method was used to ensure the practical understanding beyond the theoretical models of counseling. Cases were individually discussed. The faculty and students of NIP appreciated the hands on experience of the C³A psychologist and their feedback indicates the level of learning achieved in this lecture. An interactive question answer session was followed by the lecture.



Android Application Development at College of EME

A workshop was organized by Emerging Technologies Laboratory to get hands-on experience in android application development using state of art development techniques and algorithms. The workshop was conducted by Dr Usman Sajid.

German Language Course

German Language course was conducted under the supervision of SMME. German Language Day was conducted on May 23, 2016 at 1400 hours in SMME Seminar Hall on request of Director LSFI Mrs Somia Ashraf.



NUST Leadership Summit '16

NUST Community Service Club (NCSC) held NUST Leadership Summit'16 at NIT seminar hall on May 14, 2016. Despite being the first event of its kind at the university, NCSC was able to pull in around 250 attendees from 20 different universities.

The main motivation behind this program was to create a platform where people could explore and realize their true potential. It was for this reason "Power of You" was chosen to be its slogan. Counselling

Pro representatives shared their personal experiences. They cajoled students into identifying their own area of passion so as to excel in life.

Without the support of the event's sponsors HBL and FFC, media partners Aloo Clan, 24 Channel, FM 91 and Meri Awaz Suno and merchandise partners Meena Bazaar along with the facilitation of NUST Administration, the success of the event might not have been possible.



NCSC holds "Knack of All This": A skill workshop for SOS village children

NUST Community Service Club (NCSC) organized the event "Knack of All This" to provide Nustians with a platform to showcase their skills, and afford aspiring students with an opportunity to learn those skills. This time around, unlike the previous editions of the event, the target audience were the children from SOS village, Islamabad. The event was held from May 6 to 13, 2016 at NUST main campus.

It attracted scores of talented young teachers willing to impart their knowledge and expertise to the underprivileged children. The classes were on a variety of topics, including technical training in MS Office, an introduction to the world of freelancing and blogging and an introduction to online learning platforms to name a few.

A plethora of subjects covered ensured that the

children left the classroom armed with quite a few handy skills that would surely help them in their future endeavours and help pave the way for a brighter tomorrow.



4 CO-CURRICULARS

Open House, Job Fair held at College of EME

NUST College of Electrical & Mechanical Engineering organizes Open House annually to showcase the skills of its graduating students they have learned during their stay at college. It also serves as a platform for Industrial reps to interact with graduating students. Open House 2016 was organized recently. Representatives of about 20 companies from defense, research and commercial sector attended event and appreciated the talent and hard work of students. Researchers and students from universities of repute also attended the event. Companies also conducted on campus test and interview for hiring graduating students.



SMME Open House

School of Mechanical & Manufacturing Engineering (SMME) - NUST organized its Open House on Thursday May 19, 2016. The Open House was inaugurated by Pro-Rector (Academics) Dr Asif Raza. 19 projects were displayed at the Open House. Judges from the industry were invited to evaluate student projects which included Dr Ejaz Bashir Janjua from HMC, Dr Nabil Arif from NDC, and Dr Ansar from NESCOM. The judges went to all displays and thoroughly evaluated the projects improvised by the students. The noted event was captured so as to make it memorable.



Job Fair at NICE

The fourth Job Fair of NUST Institute of Civil Engineering was organized on June 15, 2016 for the graduating batch of 2012. It was organized to provide opportunity to the Civil Engineering firms to meet graduates of the Institute to discuss career employment and other associated opportunities. All the graduating students showcased their final year projects in the form of stalls. Few engineering companies also set up their stalls in the Job Fair to present their company products. The Job Fair was formally inaugurated by Principal SCEE. He visited all the 36 laid down projects of graduating students later on.



The highlight of the event was the selection of Best Industrial Project. The Project titled "Information Modeling for Tunneling Project" supervised by Dr Jamal Ud Din Thaheem was declared the Best Industrial Project and the syndicate leader Mr Muhammad Bilal was awarded with a cash prize of Rs. 10,000.00. The Project titled "Bearing Capacity-Shear criteria" supervised by Lecture Sajid Iqbal was declared runners up and the syndicate leader Mr Taimoor Riasat was awarded a cash prize of Rs. 7,000.00. The Project titled "An Analysis of Mass Transit System for Islamabad" supervised by Dr Muhammad Bilal Khurshid was declared third and the syndicate leader Mr Hassan Jabbar was awarded a cash prize of Rs. 5,000.00.



NUST *Bazm-e-Pakistan* bids farewell to outgoing members

NUST Bazm-e-Pakistan is one of the most reputable societies at NUST H-12. Ever since its formation, NBPK has organized multitude of fruitful events making NBPK one the most celebrated societies of NUST. The credit for this success goes to the very punctilious and hardworking team of NUST Bazm-e-Pakistan. With another academic year coming to an end, NBPK arranged a farewell party for the outgoing members. The whole executive body along with the faculty adviser Lecturer Muhammad Asad Hanif was present on the occasion to see them off.



Spring Festival Fiesta-2016 - College of EME

Spring Festival Fiesta-2016 was arranged in April 2016. Different stalls containing food items and handmade creations attracted the people around. Games and art competitions were also held.



Futsal competition held at Islamabad campus

On-campus Futsal Men Competition 2015-16 was organized at Concordia Ground, H-12, Islamabad from May 2 to 4, 2016. As many as eleven teams (NBS, SEECS, IESE, ASAB, USPCAS-E, NICE, SMME, SADA, SNS, S³H and SCME) participated in the event.

The final was played between SEECS and SMME, which the latter won by 4 - 2. Mr Arif Mahmud Siddiqui, Director Administration NUST, was the chief guest at finals. He handed over trophy to the winning team. Mrs Robina Anser DD Sports was also present at the ceremony.



Interdepartmental Cricket Match

A Competitive interdepartmental cricket match was held between Department of Computer Engineering and Department of Electrical Engineering. The match was held in the sports ground.

Intra-NUST Futsal

Intra-NUST Futsal Men Competition 2015-16 was organized at Concordia Ground, Islamabad Campus from May 20 to 22, 2016. A total of four teams (Islamabad Campus, MCS, CAE and College of EME) participated in the event. The final was played between Islamabad Campus and College of EME, which the former won with a lead of 3 goals.

The chief guest, Dr Azad Akhtar Siddiqui, Principal SNS, NUST, handed over winner's trophy to Islamabad Campus team, Mrs Robina Anser DD Sports was also attended the ceremony.



Rifle Shooting

NUST Rifle Shooting teams of both men and women participated in Intervarsity Rifle Shooting Championship 2015-16 at Imperial College for Business studies, Lahore during May 12 to 18, 2016. NUST shooters participated in different events, i.e., 50 M Prone, 10 M Air Pistol, 10 M Air Rifle, 25 M Sports Pistol, 25 M Rapid Fire, 25 M, Center Fire and Skeet. In all, they won 1 gold medal and 3 bronze medals. Mrs. Robina Anser, DD Sports was Team Manager.



MCE Basketball Championship

MCE Basketball Championship was organized from May 16 to 24, 2016. All the CED courses and OD courses participated along with MCE faculty and staff. Surprisingly, the final was played between CED-81 and MCE faculty and after a nail-biting competition, CED-81 stood champions. Commandant MCE Major General Ajmal Iqbal graced the occasion as chief guest and gave away the prizes.





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