

MONTHLY  
**NUSTNEWS**

Volume IV / Issue VII



## Nustians shine at NUS Summer Programme, Singapore

Page 05 ►



**Federal Minister  
P&D visits NUST**

Page 04 ►

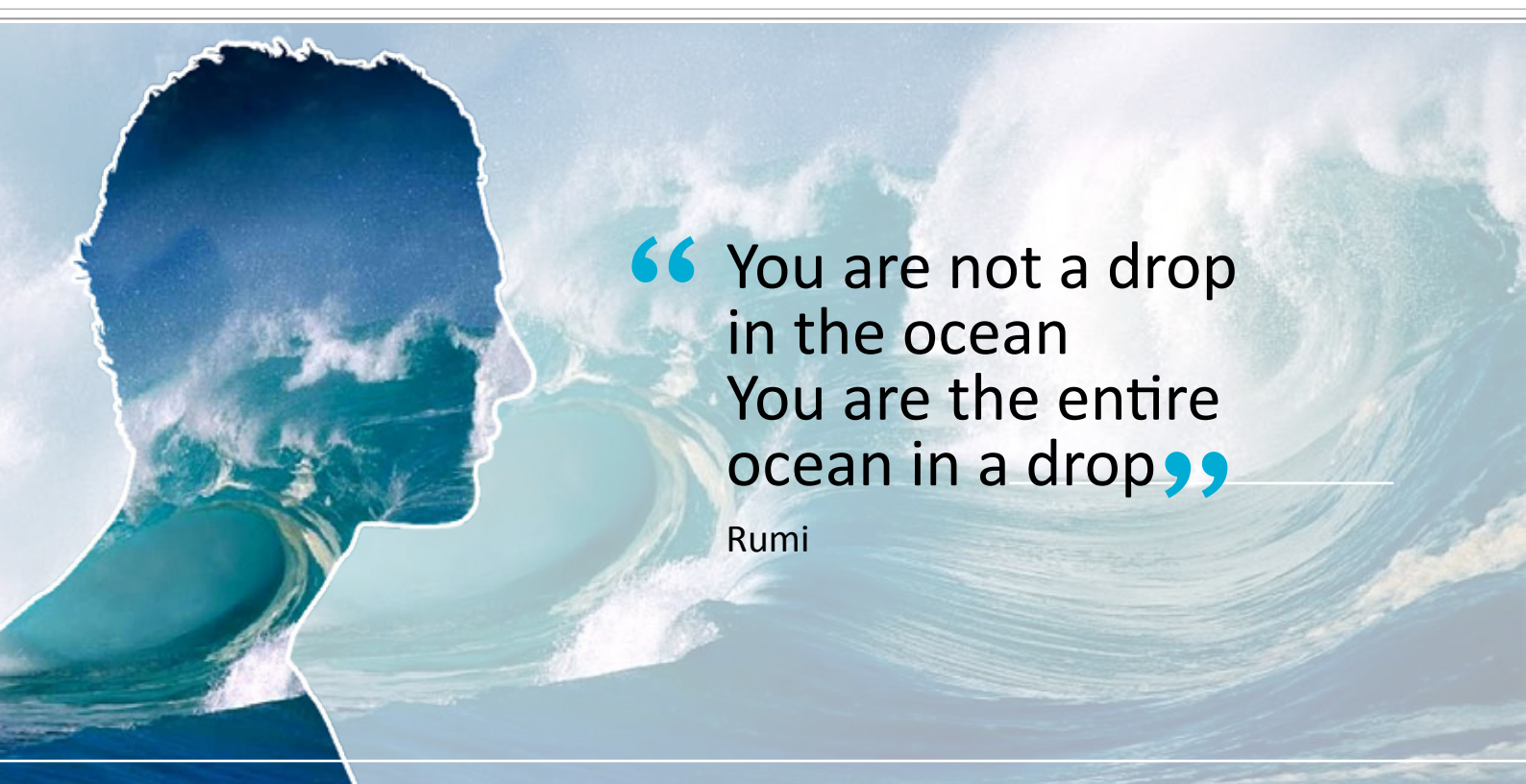
**NCSC holds free eye  
camp**

Page 06 ►

**SCEE Job Fair**

Page 11 ►





“ You are not a drop  
in the ocean  
You are the entire  
ocean in a drop”

Rumi

NUSTNEWS



Student Centre, Concordia I

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**NUSTNEWS** is a monthly publication, produced by Student Affairs Directorate, covering various events across the entire University. It will be appreciated if the focal persons send reports right after the events so as to give them timely coverage.

# International Conference on Structural Fire Safety and Design



NUST Institute of Civil Engineering (NICE), School of Civil and Environmental Engineering (SCEE), NUST organized a conference on 'Structural Fire Safety and Design' from July 2 to 3. This conference was very successful and provided awareness and understanding of structural fire hazards and importance of structural design for fire safety in Pakistan. Moreover, it allowed lead researchers and engineers to share their research, technology and expertise in area of structures in fire at an international forum. It helped them in understanding the social, environmental, economic, legal and institutional dimensions of structural fire safety in Pakistan.

Four foreign speakers and four national speakers covered several key topics related to the area of structural fire engineering. The topics included 'Structural design for fire safety in the context of fire engineering,' 'Social, environmental, economic, and engineering dimensions of structural fire safety,' 'Understanding of structural fire hazards and importance of structural design for fire safety,' 'Concrete structures and material behavior under fire conditions,' 'Numerical modeling of structures exposed to fire including simple fire resistance calculation methods,' 'Experimental studies and real case studies on structures exposed to fire,' 'Forensic evaluation methodology for fire effected reinforced concrete multistory building – a case study' and 'Development of safer communities in Pakistan.'

This conference was supported by Higher Education Commission (HEC) of Pakistan and Pakistan Engineering Council (PEC). PEC awarded continuing professional development (CPD) points for attending the conference. Federal Secretary, Ministry of Science and Technology, Mr. Akhlaq Ahmed Tarar graced the opening ceremony and congratulated NUST for holding a conference on such an important topic. He also praised the efforts of NUST to continuously raise such important issues through conferences.

During the conference, the speakers emphasized on understanding the fire as a hazard to structures and provision of fire

safety measures to structures through active fire safety methods namely provision of fire/smoke alarms, fire detectors and water sprinklers to the buildings. It was also stressed to provide safe exits to occupants in all build infrastructure to ensure safe passages in the event of fire. It was also recognized that there was an immediate requirement of National Fire Safety Code and a potent implementation authority for provision of all fire safety measures in buildings and infrastructure.

At the closing session of the conference, the recap of the conference was presented by distinguished speaker Prof. Asif Usmani from University of Edinburgh, UK. After summarizing the different topics presented in the conference, Prof Usmani proposed the need for a National Center for Building Fire Safe-



ty and Research at NUST. This center could provide guidance, diagnosis, advice, and consultation on issues of structural fire safety to buildings and infrastructure in Pakistan and could also work in collaboration with other fire safety and rescue agencies like rescue 1122 to provide guidance and expertise in the area of building fire safety. He also proposed that curriculum should be developed on Structural Fire Engineering to teach and train



civil engineering undergraduate and graduate students that can take care of fire design and safety of buildings and build infrastructure. Prof. Usmani also advised to create a state-of-the-art research lab to continue research in the area of Structural Fire Engineering and also to keep pace with the development in the area around the world.

At the closing ceremony, Rector National University of Sciences and Technology, Engineer Muhammad Asghar commended School of Civil and Environmental Engineering (SCEE) for holding such a vital and much needed international conference. He emphasized the importance of building fire safety and safety aspects of making structures safer against fires. Rector also acknowledged the services of rescue 1122 and asked other agencies to act in the similar fashion. At the end, Rector distributed the certificates among the participants.



## Federal Minister for Planning & Development visits NUST



Mr Ahsan Iqbal, Federal Minister for Planning & Development paid a visit to NUST on July 22. Upon his arrival, he was warmly welcomed by Rector NUST, Engr Muhammad Asghar. The esteemed guest had a meeting with Rector before he was given a detailed briefing on the functioning and rapid growth of NUST being the leading university in Pakistan. Mr Ahsan Iqbal was also apprised of NUST future plans. While acknowledging the University's substantial pace, Federal Minister for Planning & Development lauded the efforts of NUST management, faculty and scholars towards developing it as a centre of excellence in Pakistan. In his remarks, the Federal Minister also asserted on the need for promoting quality education and hoped that other institutes of higher education followed suit.

After the briefing session, the honourable minister was conducted to School of Electrical Engineering and Computer Science, Centre for Innovation & Entrepreneurship and Research Centre for Modelling and Simulation. The honourable Federal Minister commended the infrastructure and facilities provided

by the University for its faculty and students. Before departing he assured the University authorities of the present Government's full support to advancement of science and technology in the country.





# Nustians shine at National University of Singapore (NUS) Summer Programme



National University of Singapore annually conducted a two-week summer program on Economic & Enterprise development. This year the program was conducted from July 18 to 19 under the supervision of Dr. Kau Ah Kang. It was sponsored by 'Mahvash and Jahangir Siddiqui Foundation' and Sajjad Foundation for the students from Pakistan. It was organized by the National University of Singapore (NUS) Entrepreneurship Centre. Fifteen students from all over Pakistan were selected through a transparent procedure.

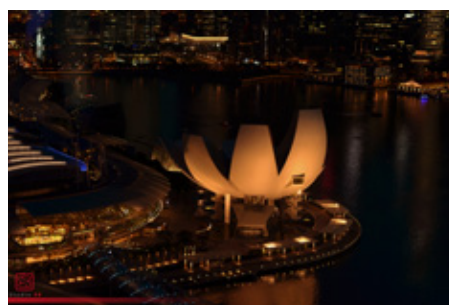
Professors and guest speakers from different areas of expertise gave comprehensive talks on many topics including People, Politics and Culture of Singapore, From Third World to First: Economic Development of Singapore, Public Sector Management and Public Policy in Singapore, Public and Private Enterprise Development in Singapore, Entrepreneurship Growth and Strategy in Singapore and many more. The program was attended by students from over 10 different countries including USA, China, Australia, Pakistan, Switzerland and Indonesia.

Pakistan had one of the largest and the most dynamic delegations this year, consisting of 15 students from all over Pakistan. The students belonged to different academic backgrounds. NUST had the largest delegation from Pakistan consisting of a total of four students including Muhammad Saad Ashfaq and Rida Saleem from NUST SECS, Shehryar Malik and Khaula Waqar from NUST Business School.

At the end of the program, a business idea competition was held among 9 different teams. Each team presented its idea using

Business canvas model to a panel of judges. After a tough competition, the results were announced and the first two positions were secured by teams that were led by Pakistani students. The first prize went to a team that was led by Mr. Muhammad Saad Ashfaq from NUST SECS. The team comprised two Pakistani students and three Turkish Students.

Mr. Muhammad Saad Ashfaq was also declared the best student in the history of the program by Mr. Imran Haleem Shaikh, NUS Programme Supervisor from JS Foundation. This program also included visits to government and private enterprises existing in Singapore which provided a firsthand experience to the participants. It also included leisure trips to different parts of the country including Sentosa Island, Singapore Flyer etc.





## Construction of NUST Teaching, Dental Hospital underway

A 510-bed NUST Teaching Hospital along with a 75 Chair Dental Hospital was approved on 09 Dec 2010 by Government of Pakistan for construction through a loan from Islamic Development Bank (IsDB). The process for selection of Consultant for Design and Construction Supervision commenced on March 21, 2012. On completion of selection process and approval from IsDB, contract for the consultancy services for Design & Construction Supervision has been signed between NUST and M/S Spectrum Engineering Consultants, Beirut, Lebanon on July 16, 2013. The Consultant has mobilized and commenced the design work.



## NCSC holds free eye camp

Eye care is an area that needs immediate attention in the country. There are more than three million people suffering from eye diseases and the figure is continuously rising. It is estimated that every three minutes, a person develops an eye disease in Pakistan. Unfortunately, the access to health facilities are lacking even in the major cities.

Owing to the need in the area, NUST Community Service Club (NCSC) has focused its activities around this issue. In the past, 'Eye Donation Awareness Seminar' and 'Eye Donation Awareness Campaign' were held in collaboration with REDO in order to spread awareness in general and NUST H-12 population in particular. Another string in the series was a Free Eye Camp that was set up on June 28 in Medical Centre, H-12 NUST Campus, in collaboration with Armed Forces Institute of Ophthalmology (AFIO) that was open for the students, faculty, families and staff of NUST. Doctors from AFIO were present from 9 am to 5pm at the camp, and around 500 people turned up to get a free eye checkup. In addition, free medicines worth Forty Thousand Rupees were given to the patients and around two hundred eye glasses were also given. The turn up, even in the scorching heat, highlighted that there is a need of such activities on a regular basis, and in other places, so that maximum people can have access to eye care. "It is a much needed activity, and the good thing is that it is open to everyone here at NUST. I am really happy that although there are a lot of people, but the seating arrangement is good; and cold drinking water is available" exclaimed a participant who benefited from the camp.



## Best Project Award at NICE

On June 28, a panel of four judges from different organizations judged top 10 Final Year Projects of graduating batch 2009, which were selected after careful and detailed evaluation of all 28 projects of the degree. The panel of judges included Dr. Nasrullah Abeer (FWO), Dr. Abdul Qudoos (MCE, Risalpur), Dr. Muhammad Bilal Khurshid (MCE, Risalpur) and Dr. Aqeel Ahmed (EnC' Branch).

The Project titled "Size Effect Analysis of Steel Concrete Bond Strength" supervised by Dr. Wasim Khaliq was declared the best project of the year and nominated for the Rector's Gold Medal. Syndicate members included group leader Iqra Choudary, Fahad Khan, Muhammad Azeem, Norma Ali Khan and Sara Farooq.

# NUST, CIMA sign MoA



NUST Business School (NBS) signed a Memorandum of Agreement (MoA) with Chartered Institute of Management Accountants (CIMA), United Kingdom, the largest professional body of management professionals in the world having over 200,000 members and students across the globe. This MoA is first of its kind in Pakistan by which the graduates of BS Accounting and Finance at NBS would get an exemption of 9 out of 14 papers of CIMA professional qualification. In addition, CIMA would award a NUST-CIMA gold medal to the best performing graduate of BS Accounting and Finance program and would also help the graduates in their job search in local and foreign markets.

Speaking on the occasion, Rector NUST, Engr. Muhammad Asghar said that, "This is a great moment for our Business School to be linked with such a renowned global professional body. This initiative will certainly enhance the prestige of our program in Accounting and Finance. This will help us prepare quality graduates fulfilling the requirements of professionalism and therefore acceptable to industry, home and abroad. It has been our endeavor to continuously strive for quality of the graduates and signing an MoA with CIMA is a major initiative in this direction." In his remarks, Dr. Noel Tagoe, the Executive Director of CIMA

education said that he was impressed with the kind of infrastructure that NUST has, which is comparable to any top class university in the world. He further stated that with the signing of MoA with NUST, CIMA would definitely achieve its objective of imparting professional education jointly with globally ranked universities. Welcoming the guests from CIMA, Dr. Ashfaq Hasan Khan, the Principal and Dean NBS said that its a historic event for the business school as it brings in relevance to our business education, connecting it with professional bodies like CIMA and the industry itself.





## CEO of European Media Group pays tribute to Pakistani Entrepreneurs



Mr. Dilawar Syed, CEO of Yonja Media Group visited TIC on July 10, 2013. Yonja is an Istanbul and San Francisco-based internet media company with a focus on emerging markets. Founded in 2003, Yonja Media Group runs Yonja.com, the largest Turkish language social network, and operates an Advertising Network connecting global publishers with local advertisers in the region. During his visit to TIC, Mr. Syed held an interactive discussion with members of technology startups at the incubation centre. He was thoroughly impressed with their achievements and talked at length about his belief in Pakistani talent and ability to compete with the best in the world. He observed that too much humility on the part of Pakistani startups was keeping them from making the kind of news they are worthy of making in their fields globally, and that they will have to learn to overcome this barrier and project themselves and their achievements aggressively at global level, to ensure that Pakistan is known internationally for all the right reasons. Prior to joining Yonja Media, Dilawar was at Yahoo! where he was head of strategy and operations for Yahoo's Platform Division. Mr. Syed has also played a leadership role in a broad range of civic efforts globally. In 2010, President Barack Obama appointed Dilawar to the President's Advisory Commission on Asian Americans and Pacific Islanders (AAPI). Mr. Syed ensured his assistance and guidance for all young entrepreneurs present at the occasion, and also encouraged them to keep in touch with him.

## Federal Ministers visit TIC

July witnessed visits from two prominent figures to the NUST Technology Incubation Centre. On July 8, Mr Zahid Hamid, Honorable Federal Minister for Science and Technology paid a visit to TIC. Two weeks later, TIC received Mr. Ahsan Iqbal, the recently appointed Minister for Planning & Development on July 22. Both gentlemen were introduced to some of the high achievers at the incubation centre. They conversed with the young entrepreneurs and extended words of encouragement, pointing out that the promotion of innovation and entrepreneurship is the need of the hour, especially for a country like Pakistan, where a vast majority of the population is below 25 years of age. With these visits, TIC also upholds its commitment with the incubatees, to provide them with exposure and access to industry leaders, successful entrepreneurs and government officials.



## Human Resource Development at NUST

Human Resource Development is the most important component of any university to keep its staff prepared for the university needs and requirements through Faculty Development Programs, Training Workshops and Short Courses both nationwide and abroad for faculty as well as support staff. In order to achieve excellence in continuing education and development activities, training programs have been conducted at Professional Development Center (PDC), CIE NUST which include 'Faculty Development Workshop on Strategy for Writing of Research Grant Proposal for US Funding Agencies' on 8th July, 2013 and 'Orientation Training for Newly Inducted NG Staff' on 10 July, 2013. Faculty Development Programs are run at NUST and abroad to prepare its faculty to meet their research and instructional responsibilities in a befitting manner. In this regard, 15 faculty members were sent to George Mason University, USA to attend Professional Development Program from June 15 to July 6, 2013. Moreover, four NUST sponsored scholars have joined back NUST during July, 2013. Human Resource Directorate has also explored 96 Fully Funded Scholarships in foreign reputed universities from several sources and forwarded the same to different schools, colleges and centers for dissemination to faculty under Faculty Development Program.



"I pruned a tree once, so technically I'm allowed to put 'branch manager' on my resumé."



## Country Director French Development Agency visits CES

Mr. Nicolas Fornage, Country Director of the French Development Agency (AFD) and Mr. Nauman Bhutta visited Centre for Energy Systems at NUST on July 09, 2013 to attend a meeting organized by Principal CES-NUST. The agenda of the meeting was designed to explore the possible projects of public interest for infra-structure development in energy sector. Dr. Ehsan Ali and Dr Z. S. Khan from CES also participated in the meeting.

It is pertinent to mention that the AFD has shown their keen interest in providing financial assistance in energy related infrastructure public development projects and support for PhD/Postdoc studies for students/faculty members in different Universities of France. To improve the power supply at consumer level, AFD is supporting the development of renewable energies by providing funds to address the current national energy crisis in Pakistan. To reduce the power demand, AFD is also co-financing with ADB a multi-tranche program on energy efficiency in domestic and industrial sectors. They further said that funds will be available through Economic Affairs Division Pakistan as loan but not as a grant. During the meeting, it was also discussed that CES has submitted some proposals to France through Ministry of Science and Technology Pakistan but did not get any response. Mr. Nicolas Fornage assured faculty members to check the status of those proposals at their end. Principal CES made a presentation to apprise the guests of the genesis of the Energy Centre at NUST and also discussed the applied projects being undertaken in the areas of Renewable Energy.



## NUST takes top slot in HEC Ranking-2013

National University of Sciences and Technology (NUST) has been ranked No.1 University of Pakistan in the category of General (Large) universities in the ranking announced by HEC on 5th July, 2013. This ranking has been carried out on the basis of implementation status of Quality Assurance criteria, teaching quality and research conducted in the Pakistani universities. Rector NUST has appreciated the management, faculty and students of NUST Institutions for implementation of quality standards, high quality teaching and conducting research of international level to bring this honour to the university. He has urged them to continue their efforts in their respective fields to take the university to further heights in the academic circles of Pakistan and the World.

# #1

UNIVERSITY OF PAKISTAN



Photo by Mahtab Ahmad



## NILE, MSU jointly organize Faculty Development Workshop

A one day Workshop on “Strategy for Writing Research Grant Proposal for U.S. Funding Agencies” was arranged for NUST faculty on July 8 and was held at Professional Development Centre (PDC), NUST Institute of Leadership in Education (NILE). The program was the outcome of NUST delegation’s visit to Michigan State University, USA in Sept, 2012.

NUST has over the past twenty years developed strong collaborative linkages with MSU in the areas of Engineering, Education, and Social Sciences. This workshop was aimed to develop an understanding of procedures and protocols of writing research proposals and its submission to funding agencies. It enhanced the understanding and conceptualization of relevant research topics in Pakistan and also suggested various strategies to the participants which would help them in establishing inter-disciplinary research teams. The discussions raised during the workshop also identified budgetary matters of research proposals and developed understanding of university-community partnerships in research.

Dr. Khalida Zaki, the resource person of the workshop is a Professor at the Department of Sociology, Michigan State University, USA. The workshop started with the introduction of participants and an overview of the subject by Dr. Khalida. The workshop was delivered in two sessions; first session covered the modules on “Research Grant Proposal Writing Strategies,

Examples and Issues, the second session comprised Round-Table Discussions. The closing session was chaired by Pro-Rector Academics, Dr. Asif Raza. Principal NILE, Dr. Qaiser Hameed Malik briefed the participants on the background of the collaboration between NUST and MSU, USA. Pro Rector Dr. Asif Raza, appreciated the efforts of NILE and applauded the excellent de-



Delivery of workshop by Dr. Khalida Zaki. The session concluded with the distribution of certificates.

## Campus Management Solutions Workshop at AM College

An introductory seminar on Campus Management Solutions was held with the clinician of the Army Medical College on July 22. Principal Army Medical College, Maj Gen Salman Ali was the chief guest on the seminar. Participants introduced Team of ICT, HoDs of Clinical Depts. of Army Medical College and Staff Officers of the College and System Administration.

The basic objective of this workshops was to document AS-IS existing processes and requirements of students, faculty and administrative life cycle pertaining to relevant directorate/institution with orientation of CMS delivery process. To understand the existing processes involved in the student life cycle, a meeting was held previously on June 5. Some of the important issues discussed included preparing Course Catalogue for UG and PG, Scheduling for UG and PG including Clinical Training, Grading for UG and PG and PG processes involved in Research Tracking.





## PNEC participates in Formula Student Racing Competition in UK

Formula NUST Racing team of PNEC participated in 'Formula student Competition' at Silverstone, UK from July 3 to 7. The team comprised 25 students, including 5 female students headed by a team faculty Advisor Dr. Nadeem Ahmed. It is worth mentioning that the team represented National University of Sciences and Technology at the event and was the only team selected from Pakistan this year.



## SCEE Open House, Job Fair

On June 27, Institute of Environmental Sciences & Engineering (IESE) along with NIT, NICE & IGIS, participated in SCEE open house/job fair event under the guidance of Principal SCEE, Dr. Nasrullah Khan. A number of local and foreign companies from all around Pakistan participated in the event and displayed their work. Country Director Oxfam, Dr. Manzoor Ahmed Awan inaugurated the event. In his inaugural speech Dr. Manzoor offered a number of new internships for NUST students. Seven undergraduate research projects of the outgoing BE Env. Eng. classes were displayed by IESE students. A number of students were interviewed and selected for jobs in the event. The highlight of the day was the project award ceremony. Two of the environmental engineering projects were awarded best engineering projects, namely 'Amine Based CO<sub>2</sub> Capture for Industrial Flue Gases' supervised by Dr. Imran Hashmi and 'Isolation of Local Oil Producing Algal Strains for Prospective Biodiesel Production' supervised by Dr. Zahiruddin Khan.





## NBS Job Fair 2013



NBS organized Job Fair on July 5 at H-12 campus Islamabad. The event was meant for graduating batches such as Masters of Business Administration, Bachelors of Business Administration, MS Economics and BS Economics. A total of 39 companies and organizations from industry and corporate sector used this platform to hire and interact with talented graduates.

Dr. Ashfaq H. Khan, Principal & Dean NBS welcomed delegates from the industry including top multinational. He said that NBS is dedicated to training and educating a class of business leaders who are equipped with practical business skills and ethical standards to embrace the challenges and opportunities of ever changing market place.

He highlighted some of NBS students' recent achievements and said, "Just last month our student of Mass communication, Hamza Baig won 1st place at NBS Inter-department Drama and Video Making Competition for his video depicting terrorism and how it's widely prevalent in our society. From the Economics section our team has won the NASCON Marketing Plan competition for consecutive two years. BS Economics also attained victory in Lipton's Talent Hunt due to the creativity and execution of their campaign that took the whole of NBS by storm. Our students were the proud winners of Reckitt Benckiser 'We Made It' Lipdub Challenge 2012."

"Our students' accomplishments have expanded from national to international level. Just last year a team from NBS participated at South Asia Model United Nations which was held at Bangkok. The team not simply won the Best Delegate awards but also stood first by winning the best Delegation prize at the forum. Such achievements besides polishing their academic excellence also grooms the students to be well versed in life", he further stated.

The representatives of industry from various business ventures set up recruitment stalls and interviewed fresh graduates. The companies used the occasion to search for prospective employees in various fields i.e. Finance, Human Resource Management, Marketing and Economics. The recruiters shared their organizational needs with the graduates, reviewed graduate resumes and scheduled follow-up interviews. The participating companies appreciated the talent of the candidates and expressed confidence that potential new inductees would prove to be worthy assets for their respective organizations.

At the end of opening ceremony Dr. Ashfaq H. Khan, Principal & Dean NBS presented NBS shields to the Telenor Pakistan who sponsored the event and the GEO TV Network for coverage of the event.

## ILO striving to enhance employability of NUST graduates

Employability is crucial to degree studies, and the Industrial Liaison Office (ILO) makes sure that all its graduates are enrolled for jobs or internships in reputed organizations. Reassuring Industrial relations, strong links are built to benefit students in all sorts of ways. NUST ILO subsisted through a very productive month of July where by several giants and multinationals offered job placements and internships to the students of NUST. SUPARCO conducted a recruitment drive for 100 students and a positive response was witnessed.

Moreover, the office of Industrial Relations recently announced that 3 students of NUST have been given jobs at Telenor and 2 at Unilever Pakistan. Additionally, 60% of Graduates of 2013 have already received job offers from other multinationals which include PMI, Schlumberger, MOL, BAT, P&G, DESCON etc. as well as local industries Engro, 4M wireless, Ebryx so far.

In the year 2012, NUST experienced an impressive response from the industry and therefore, the employment statistics were presented to the Rector and schools for the first time. It was beheld that over 60% of students of NUST were employed.





# Leadership skills training program for professionals

A two-day training titled 'Leadership Skills, You Need to Lead Better' was organized by Professional Development Centre (PDC), NUST Institute of Leadership in Education (NILE) on July 1. This training course was designed for people who wanted to become effective leaders. It showed them how to lead and inspire their teams, assess the needs of stakeholders, spot the trends, influence key people, get the most from the team by increasing their creativity and to manage risks and exploit opportunities. Participants from Khushali Bank, GHQ and SNL Pakistan attended the training which was very well received by them. Mr. Mohsin Lodhi, an experienced professional trainer and faculty member of SEECs, was the resource person. At the end of the workshop, Principal NILE, Dr. Qaiser Hameed Malik gave the closing remarks and distributed certificates among the participants.



## MCS faculty attends Conference in Spain

Dr Muhammad Hanif, a faculty Member from MCS (NUST) has attended "XXXI International Conference on Phenomenon in Ionized Gases (ICPIG 2013) held from July 11 to 19 in Granada, Spain. He presented his research paper titled 'Laser Induced Breakdown Spectroscopic Studies of Sulphur Plasma'. More than 400 Physicists from various countries around the globe participated in the activity. His visit was financially supported by NUST.





## PDC conducts training on Methods of Instruction

A ten-day faculty development program was arranged by Professional Development Centre (PDC), NUST Institute of Leadership in Education (NILE), NUST. The program commenced on June 24 and continued till July 5. The development program incorporated sixteen sessions for faculty training. Dr. Asif Raza, Pro-Rector Academics gave an overview of academic activities at NUST. HoDs and Directors of NUST gave presentations on functions of their respective departments. The third day, Engr. Muhammad Shahid, Pro-Rector Planning and Resource gave an overview of Planning & Resource activities at NUST. The resource persons for the sessions were renowned names from NUST, NUML, COMSATS and FJWU. The sessions, which took place at SCME Auditorium

and Executive Development Centre, PDC, were 'Teaching as a Profession' by Dr. Mussarat Sheikh (FJWU-Rwp), 'Counseling Techniques' by Dr. Fatima Jaferi (COMSATS), 'Assessment and Evaluation' by Dr. Riaz Ahmad (NUST), 'Motivating Students for Improved Performance' by Dr. Fauzia Khurshid (NUML), 'Research Methodology' by Dr. Peter Bloods Worth (NUST), 'Educational Technologies' by Mr. Abid Hussain Khawaja, 'How to be a Professional Trainer' by Mr. Imtiaz Ahmed (NUST), 'Curriculum Development' by Dr. A.R Saghir, 'Androgogical Skills' by Mr. S. Talat Khurshid, 'Introduction to Microteaching' by Dr. Zafar Iqbal, 'Effective Communication Techniques' by Ms. Sanobar (NUST), 'Time and Stress Management' by Ms. Naila Mir (NUST),



'Learning Psychology' by Dr. Fatima Jaferi (COMSATS), 'Introduction to Engineering Education Research' by Dr. Qaiser Hameed Malik (NUST), 'Academic Planning and Management' by Mr. M. Aslam Asghar and 'Exploring Research Grants and Funding Options' by Dr. Riaz Ahmed (NUST).

Dr. Khalida Zaki, Assistant Professor, Department of Sociology, Michigan State University, USA was the chief guest at closing ceremony held in CIE Building on July 5. She specializes in social demography, rural and community studies. Her academic experience, of more than 20 years at MSU, includes teaching, undergraduate program directing, advising, research, and service to doctoral dissertations.





## NBS Networking Night

NBS, Centre of Industrial Linkages (CIL) and Student Affairs Office organized NBS Networking Night on July 5. The NBS alumni and fresh graduates who registered online participated in the gathering. The aim of Networking Night was to help maintain close relationship with alumni and provide them with an opportunity to create a bond between their parent institution, corporate world and fresh graduates. The alumni shared their success stories and experiences with the fresh graduates in order to guide them with their career paths along with reminiscing their years at NBS. This enjoyable evening offered an opportunity to alumni to reconnect with their classmates and network with many others and cherish the moments spent at NBS.

Mr. Tipu Zaheer of batch EMBA-2K9 currently heading the HR department of multi-national company an IPP naming UCH power owned by GDF Suez a French group sharing his wisdom told that his success journey so far is owing to NBS. Mr. Faheem Azam of batch MBA-2K5 currently Project Director at Icarus Incorporated shared the past associations with university and difference between NIMS & NBS in a humorous manner. At the end, the students who organized both the events i.e. NBS Networking Night and Job Fair were awarded with shields.





## PNEC Change of Command Ceremony

In an august ceremony, Commodore Zahid Iqbal SI(M) assumed the Command of Pakistan Navy Engineering College, PNS Jauhar on July 12, 2013. Previously, Rear Admiral Imdad Imam Jaffri SI (M) served PNEC as Commandant from 18 July 2011 to 12 July 2013. The Officers, Ships Company, faculty and students of the College were thankful to Mr Imdad for professional uplift of the institution and they also warmly welcomed the incumbent Commandant in his office.

PNEC officers and NUST faculty hosted a *Bara Khana* for the outgoing Commandant Syed Imdad Imam Jaffri SI (M) on July 9. At the end of Bara Khana the outgoing Commandant addressed the gathering. A farewell dinner was also arranged in the honour of outgoing Commandant Rear Admiral Syed Imdad Imam Jaffri SI(M), Commandant PNEC and was held on July 12 in Gun-room Mess. Deputy Commandant, Deans, Directors, HoDs and senior faculty members attended the lavish event. The outgoing Commandant thanked the faculty for arranging this event.



## UG Entry Test -2013 at PNEC

NUST Entrance Test for induction of students in various UG Programmes was held at PNEC and Expo Centre, Karachi from July 13 to 14. PNEC in coordination with HQs NUST made all arrangements for the conduct of entry test.





## RCMS bids farewell to Prof Dr. Khalid Parvez

On July 14, Research Centre for Modeling & Simulation (RCMS), NUST bade farewell to an esteemed and reputed faculty member, Professor Dr. Khalid Parvez, on his retirement after meritorious service as teacher, researcher, mentor, and administrator at CAE and RCMS. While at CAE, he served as Head of Department of Aerospace Engineering and later as Dean, College of Aeronautical Engineering. He has been among the founding team of Research Centre for Modeling & Simulation (RCMS). While at NUST, he taught generations of undergraduate and post graduate students. Honoured with various national and international awards and honors, Dr. Khalid Parvez has been an inspiration for the entire student body at NUST in general and CAE and RCMS in particular.



## RCMS faculty awarded research grant

Dr. Adnan Maqsood, Assistant Professor at RCMS has been awarded research grant of PKR 0.5 million by Higher Education Commission (HEC) of Pakistan for his project titled 'Design & Optimization of the Energy-Efficient Ceiling Fan Blade.' The main focus of the project is to use computational techniques in improving the energy efficiency of the ceiling fans by improving the blade design. In this process, characterization of fundamental design parameters in fan blade geometry will be carried out. Subsequently, a parametric study of various design parameters will be carried out through rigorous modeling & simulation techniques.

Dr. Adnan Maqsood holds a bachelors degree in Aerospace Engineering from CAE and PhD from Nanyang Technological University (NTU), Singapore. The research interests of Dr. Adnan Maqsood include Unmanned Air Vehicle (UAV) systems, Flight dynamics and control, Applied aerodynamics, Computational Fluid Dynamics (CFD) and Nonlinear Dynamics. Dr. Adnan has several top quality international conferences and journal papers to his credit. He is serving as a reviewer for a number of conferences and journals of international repute.



## 'Design the Studio' workshop at SADA

A one-week workshop, 'Design the Studio' was organized by the Board of Architectural Education (BAE) and the Institute of Architects in Pakistan (IAP) from July 1 to 5 and was conducted by Prof. Thomas Daniell and Prof. Nuno Soares from the University of Saint Joseph in Macau. Participating were design studio teachers from 16 of the 17 architectural schools in Pakistan. The workshop was divided in a theoretical part,

in which the professors described their style of conducting the architecture design studio in both Macau and Kyoto, and a practical part, in which the workshop participants got a hands-on experience of tackling a design project in a structured manner with-in one week. The experience was very valuable for the participants who appreciated the efforts of SADA to educate students in the field of architecture.





## NUST Employees Cricket Tournament

Maiden cricket tournament for employees at NUST was organized by Sajjad Hussain under the supervision of Mrs. Robina Anser, Deputy Director Sports, from July 1 to 8. The tournament witnessed the participation of NUST Staff and consisted of 6 teams from NUST Schools and Directorates. The existing series of matches played in the newly created SMME cricket ground lead to 'Kings 11 NUST' competing with 'Zulqarnain 11 NUST' in the final match on July 8. As expected, nail-biting final match was played but it was the Kings 11 NUST, who chased the target

of 89 runs in 7.2 overs, beating 'Zulqarnain 11 NUST' by 7 wickets and grabbed the Champions trophy.

The chief guest for the occasion, Mrs. Robina Anser appreciated the efforts of the chief organizer Sajjad Hussain with their committee and wished the players best of luck in their future performance. The final event came to a close with the prize distribution ceremony in SMME Cricket ground where Winner Trophy was awarded by the chief guest to the captain of the winner team of the tournament i.e. Muhammad Adeel (Kings 11 NUST) and cash prizes of Rs. 1000 each were given to Muhammad Khalid, Best bowler of the tournament and Irfan Zafar, Best batsman of the tournament, on their brilliant performance throughout the series.



## Seminar on Quality Assurance and Self Assessment Report Writing

NBS organized a seminar on "Quality Assurance and Self Assessment Report Writing" on July 18. Engr Muhammad Ismail, Director Quality Assurance NUST, was the resource person. The seminar was attended by Principal / Dean NBS, HoDs of the School, Director Local QEC NBS, and members of the program teams of different programs conducted by NBS. The resource person highlighted the need, concept and mechanism of the Quality Assurance in Higher Education. He also discussed the elements, objectives, outcomes, benefits and procedure of Self Assessment of Academic Programs. The major portion of the seminar comprised deliberation on writing process of Self Assessment Report on the basis of the prescribed criteria/standards. The requirements to meet these standards were deliberated in detail. The resource person also cautioned the usual weakness found in the Self Assessment Reports prepared by the departments. Principal NBS also highlighted the importance of Quality Assurance in Higher Education and urged upon the Program Team members to put in their best in preparing good Self Assessment Reports on NBS programs.





## PDC workshop for SPSS Training

Professional Development Center (PDC), NUST, a constituent of NUST Institute of Leadership in Education organized a training workshop for 'Statistical Package for Social Sciences (SPSS)' from 29-31 July, 2013. Ms. Ayesha Nazuk Assistant Professor at NUST Business School (NBS) was the resource person for the three-day workshop. She has also served as visiting faculty in various institutions like Quaid-i-Azam University and has many publications to her credit. Dr. Ishtiaq A. Qazi Associate Dean of IESE-SCEE honored the closing session as chief guest which was held in PDC Executive Centre-CIE building and distributed certificates among the participants.

SPSS is statistical analysis software trending in social sciences. It is used for research work as well as data management by businesses, healthcare professionals, survey companies, government, students and educational institutions. The participants from various educational and strategic institutes as well as NGOs participated in the training sessions. This course was specially designed to enable participants to understand different types of variables, distribution of data, SPSS commands, different statistical tests, SPSS output and its interpretation.



## NUST Team delivers presentation on World Environment Day at LCCI

Engr. Kamran Mehmood, from ST Ventures gave a presentation on 'Biodiesel: A Way Forward to Green Fuel' on World Environment Day at Lahore Chamber of Commerce and Industries on June 27. The objective of the seminar was to observe world environment day in relation to green energy and to share green energy solutions of universities. The seminar was organized by Lahore Chamber of Commerce and Industry (LCCI), Institute of Research Promotion (IRP), National Forum for Environment and Health (NFEH). Around 200 industry executives, scientists and policy makers attended the seminar.

His presentation included the energy crises and emerging issues of environment. He spoke about investment potential in biodiesel which is clean and environment friendly and emphasized on creating awareness for jatropha plantation especially in barren lands. He apprised the audience about the work going on in the field of biodiesel at NUST especially about fabrication of



prototype biodiesel processing plant being in the final stage of completion.

Mr. Ahmed Sohail, faculty member at College of E&ME also presented his topic on 'Solar Hybrid Water Heating System for Industrial Applications' and its importance in terms of saving energy cost for industries using hot water in their production process. He unfolded his lecture by highlighting first installation of Solar Hybrid Water Heating System with the collaboration of ST Ventures in a leather industry in Lahore by NUST team.

## THE NUSTIAN-2013

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

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

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“Education is not the learning of facts,  
but the training of the mind to think.”

--Albert Einstein



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