



# SCRIBE 2011



NED UNIVERSITY  
OF ENGINEERING  
AND TECHNOLOGY

## EDITORIAL

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SCRIBE 2011- The 5th issue is ready to take you for an exciting ride through the eventful life at NEDUET. The collective efforts of the student members of Literary and Publications Society (LPS) spread over twelve months and assumes the shape of INSIGHT- our electronic magazine accessible from far and wide and offering a wider range of topics to read from; and SCRIBE- our annual newsletter which is a vignette about NED and its community. The Scribe team along with LPS members worked day and night to ensure that the present issue truly depicts the busy and colourful campus life- academic, professional and social, and also the passion and the prowess of young engineers exhibited in different arenas ranging from the technical competitions to the artistic ones, the exuberant young souls proved their excellence throughout and created sufficient evidence about the impact that this healthy blend of activities have on these upcoming engineers. Our efforts serve as an acknowledgement to all those individuals who plan, coordinate and compete in these activities. Heartiest felicitations to all the winners and earnest gratitude to the faculty for creating these opportunities! I would convey my thanks to all my friends on the scribe editorial team for their ideas and efforts that made us fulfill our commitment of timely bringing out the newsletter and to sustain the standards set by our predecessors. The team would also like to show their deepest gratitude to Dr. Sajida Zaki for her guidance that kept us well focused throughout this exciting journey. Happy Reading!

**Sheema Ghani** (Chief Editor)

### The Scribe Team

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## VICE CHANCELLOR VISITS USA TO MEET THE NED ALUMNI NETWORKS

NED Alumni is scattered across the globe and there have been consistent efforts on the part of the academia and its alumni pool to develop linkages for mutual benefits. Each year there are planned activities to foster this link and to enable the alumni to not only stay connected with their alma mater, but also to participate in the activities undertaken by the varsity in updating the teaching learning and research practices of its students and faculty. After having visited the USA in 2009 to meet the alumni in Canada and Mississauga, the Vice Chancellor- Engr. Abul Kalam visited the USA in June this year to meet a larger alumni presence within the Northern Hemisphere under the NED Alumni networks of TRISTATE, Southern California and North America. These official meetings were requested and arranged by the alumni after the VC's visit in 2009 following which representatives of these alumni visited the alma mater in 2010 and 2011. Besides informing the alumni about the remarkable developments at NEDUET, the Vice Chancellor's meetings with the alumni and with the faculty at the University of Rochester generated useful information on the research and education possibilities for graduates and faculty of NED and also about further advancement at NED in the form of two new engineering programmes to be introduced soon.

## INAUGURATION OF NEW DEPARTMENT BUILDINGS AT NED UNIVERSITY

NEDUET has developed into a large and prestigious professional university with one main campus and two city campuses. Each campus has its purpose built infrastructure with state of the art engineering and technological facilities which have made NEDUET one of the leading institute of higher learning across Pakistan and the leading professional university of Sindh. The university is consistently improving and extending its physical facilities, and on May 5, another milestone was achieved with the inauguration of three new departmental buildings for Chemical, Polymer and Petrochemicals and Metallurgical Engineering. The departmental buildings were inaugurated by the Chancellor NEDUET and Governor of Sindh, Dr. Ishrat-ul-Ibad Khan along with the Vice Chancellor NED, Engr. Abul Kalam, the Pro-Vice Chancellors, deans, chairpersons and faculty.

## SEMINAR ON DISASTER RISK MANAGEMENT BY UNITED NATIONS DEVELOPMENT PROGRAMME

Owing to the situation prevailing in Pakistan, like floods and earthquakes, a two-day training workshop on "Disaster Risk Management" organized by NED University of Engineering and Technology in collaboration with United Nations Development Programme (UNDP) and National Disaster Management Authority (NDMA) was held on 20th & 21st Sept. The eminent speakers who enlightened the audience comprised Prof. Dr. S. F. A. Rafeeqi (Pro Vice Chancellor II), Prof. Dr. Sarosh H. Lodhi (Dean CEA), Dr. Falak Nawaz, (UNDP representative). The audience comprising faculty, researchers and students were briefed about different aspects of disaster management, the focus of the workshop was to prepare, inform & technically educate the engineers today, with emphasis on PREPAREDNESS before the disaster, rather than on RESPONSIVENESS after the disaster. Most importantly, it provided engineers a platform wherein they could work together and join hands with the experts of NDMA & UNDP to work for pre-disaster management.

## NED GRABS THE 5TH INTERNATIONAL CHALLENGE BOWL!

NEDUET- team comprising two students from the Petroleum Engineering Deptt., Osama Hasan Khan and Sami Toor won the 5th International Annual Middle-East Challenge Bowl organized by Society of Exploration Geophysicists (SEG) on July 20, in Istanbul-Turkey. The SEG Challenge Bowl is an international contest testing students' breadth and depth of knowledge about the field of geoscience. The competition featured teams from Azerbaijan, Uzbekistan, Egypt, Turkey, China & Pakistan. As the regional winners, both the students were awarded a travel grant to attend the 81st SEG International Exhibition and Annual Meeting in San Antonio, Texas and to compete in the 6th Annual SEG International Challenge Bowl Finals. The students also attended the Middle-East SEG/ExxonMobil Student Education Program (SEP) held in Istanbul which was a 3 day workshop related to geoscience/geophysical work performed in the oil industry. Osama & Sami, the two ingenious students of NED have not just made all of us very proud but took the NED legacy to a newer zenith.



# TECHNICAL COMPETITIONS & PROJECT EXHIBITIONS

Each year the society for the promotion of science, engineering and technology (SENTEC), organizes a students' project-showcase which serves as a stimulation for inducing creative and critical insights into the projects that students develop in different years during their undergraduate education at the varsity. This year too, an "All-Pakistan Project Exhibition" was held on July 25th, a good number of projects from various universities registered for scrutiny by a panel of judges comprising senior faculty and the technical experts from different industries. The Vice Chancellor of NED after having inaugurated the event, paid a visit to each project and appreciated the efforts of the students. The project exhibition was followed by "Quiz Competition" between different teams from within and outside NED. The event closed with a formal prize distribution ceremony wherein the Pro-Vice Chancellor -II Prof. Dr. Muzaffar Mahmood handed out the prizes. The best projects: Solar Power Electrical Vehicle by SSUET and the Hybrid Energy System & Geo Solutions by NEDUET. Quiz competition winning teams: The Castle, Machine and Macktimes won the 1st, 2nd & 3rd prizes respectively. A notable project displayed during this event which attempted to steal the show was the Formula-1 race car designed by a team of ten hardworking students of NED who are now preparing to compete in Formula- SAE organized by the International Society of Automotive Engineers (SAE) in Australia. We wish these young designers best of luck with their design and their aim. TECHELITE-2011, an annual mega event organized by the CIS deptt., also brought the technical elite comprising students, faculty and eminent engineers and professionals from across universities to one platform to compete, share, discuss and learn. Prof. Dr. Sarosh Lodhi, Dean CEA, was the chief guest on the occasion and Ms. Jehan Ara (President Pasha), Mr. Ahmed Ali (Chairman Alumni Network of NED), Mr. Qamar Hafeezi (Mazik Global Project Manager) and Mr. Uzair Ahmed (Tradekey Head of HR) were among other distinguished guests. I-TECH 2011 was yet another opportunity to ignite and display the technical ingenuity prevailing in our youth and budding engineering workforce for future. The event organizers won a lot of appreciation from the VC-NEDUET who was the chief guest at the inauguration ceremony and also from the Dean of the faculty, Prof. Dr. Mahmood Khan Pathan. This year I-TECH's prominence was also accredited to the Intellectual Property Rights session planned by the event organizers.



## NEDIANS AMONG THE FINALISTS OF THE PRIME MINISTER'S ENTREPRENEURIAL CHALLENGE

The team "Diversity" comprising five NEDIANS: Basil Andrews, Hadiqa Amber, Wasfa Sheikh, Aisha Qureshi (all from TE CIS) and Muhammad Ali (TE IM) secured a place in the Top-10 finalists of the Prime Minister's Entrepreneurial Challenge endorsing the fact that NEDIans alongside engineering skills possess sharp business acumen. The event that was held in Islamabad in Sept. screened the best business proposals from students across Pakistan. It began with a three-day training workshop for the finalists highlighting the importance of entrepreneurship, market need and use of technology to create solutions for different problems, thus giving students a "hands-on" training towards Technology and Business Idea Commercialization.



## EXPLORING HISTORIC URBAN LANDSCAPES: RETROSPECTION - TRANSFORMATION - REVIVAL

was held on the 26th March at NEDUET as the 6th Seminar on Urban and Regional Planning organized by the Deptt. of Architecture and Planning and focused on the need and importance of protecting our architectural heritage. His Excellency Hans Christian - Kint, Ambassador of Belgium to Pakistan was the chief guest on the occasion. The Vice Chancellor, who was also present among the distinguished guests, appreciated the host deptt. for organizing regularly a variety of professional activities. The efforts put in by Ms. Fahmida Bano Shaikh and her team under the guidance of Prof. Dr. Noman Ahmed, Chairman Deptt., resulted in a well-planned event that successfully informed and updated the participants about the current situation of architectural heritage, and the global practices in order to identify the gaps and the needed measures which must be adopted to preserve national heritage of Pakistan. The City Campus of NEDUET, which houses the Deptt. of Architecture and Planning, is a listed heritage property as declared under the Sindh Cultural Preservation Act 1994.

## NED TOPS ALL PAKISTAN PHOTOGRAPHY COMPETITION - ISLAMABAD

Syed Hasan Faraz Rizvi, a final year student at Polymer and Petrochemicals Deptt., won the 1st position for the best photograph in a photography contest throughout Pakistan, Tahkleeq - 2011. The event was held at Pakistan National Council of Arts, Islamabad from the 21st to 25th March. The theme of the contest was 'My Pakistan' and the event was an attempt to see Pakistan as the youth sees it with a possibility to develop a deeper insight into the present-day Pakistan. This success was just another display of the creative streak that is a part of the engineering minds at NED.



## PARTICIPATION OF NEDIANS IN MUNS- MODEL UNITED NATIONS

The first MUN this year was at IBA where NEDMUN won a total of 5 awards: Outstanding Diplomacy Awards to Mutahir Rasool (BE EE), Sidra Mirza (TE TC), Honorable Mention to Fatima Urooba & Bushra Sajid (TE TC) and Araj Raza (SE ME) won Best Position Paper. The next MUN was in Lahore; MUNPK held by the Pakistan MUN Society where NEDMUN won the award Honorable Mention, Syed Bilal Farhat (SE ME). Currently NEDMUN is preparing and sending teams to MUNS at SZABIST in November and LUMS in December. We have high hopes that in these MUNS too, we will amass a myriad of awards.





# PROFESSIONAL SOCIETIES STUDENT CHAPTERS AT NED

Many innovative and challenging activities were outlined by the professional societies' student chapters at NED University. **Society of Manufacturing Engineers (SME U211)** on 24th Sept. organized the **Bottle Rocket Competition**. With a student representation from Mechanical, Telecommunications, Electrical and Industrial & Manufacturing Engineering Deptts. and over 35 teams (120 participants), this event was a proof of the engineering skills portrayed as the competition was to design a rocket out of a bottle by adding external reinforcements to it, adding to a stable flight, after being fired from a hydraulic pressure of 40 psi. **Your Next Step**, was held on 18th Sept. by the **Chemical Engineering Students Society (CHEMESS)**, well attended by the faculty and students. The event focused on job recruitment process and overseas education for which Mr. Asad Hasan, project head Pakistan Refinery Limited, Mr. Wahaj Ahmed, senior manager NEC, Mr. Waqar Malik, GM HR PSO were the invited speakers who elaborated the difficulties in the job procedure, role of international exposure searching opportunities to acquire international skills, how to apply for foreign scholarships. **SPE NED Student Chapter (SNSC)** organized **Energy Awareness Week** from February 28 to March 5, to create awareness in students about the basic need of energy, utilization of energy resources, role of fossil fuels in future. The programme included a three day workshop with lectures by speakers from renowned organizations like PSO, PPL, KESC and Engro. Corporation. **NERD**, an energy recycle workshop, was an effort by **Society of Polymer and Petrochemical Engineers (SPPE)** on 24th Sept. The keynote speakers enlightened the audience with the knowledge on energy recycling and the needed measures for preservation. **ASHRAE** brought forth an **All Pakistan Student Conference and Project Exhibition**. A three-day conference (May 26-May 28), with various competitions and activities, along with student participation from six different engineering varsities of Pakistan. These events capture only a fraction of the interesting activities that are carried out alongside professional education and training that eventually lead to the distinctive position that graduates of NED enjoy both within and outside the country.

## ACTIVITIES OF THE EVENTS' CALENDAR

The **Bilingual Literary Recital Contest-2011** jointly organized by **MOSAIC & LPS** Societies offered a literary respite to the NEDians. Classical poetry and prose renditions from both Urdu and English Literature by the students of various deptts. rejuvenated the spirits of the audience and also ignited an interest in the literary work and the art of oratory and elocution and definitely the credit goes to the faculty coordinators Ms. Uzma Riyaz and Dr. Sajida Zaki. Umaima Amir (*TE ME*) and Syed Bilal Farhat (*SE ME*) won the Best Prose and Poetry Recitals (English) respectively, and Aurangzaib Alamgir (*BE TC*) and Taqween Nawaz (*BE EL*) won the Best Prose and Poetry Recitals (Urdu) respectively. Held under the supervision of the faculty heads of all the official societies in NED and in collaboration with the Students Affairs Deptt., **Spring Festival-2011** was the most awaited event and like previous years was once again a huge success. A 300 feet circular canopy, over a 100 exposed stalls, popular brands displaying their products, extensive media coverage, guest appearances by popular celebrities, and visited by over 10000 people made this year's event memorable. Mrs. Badar Kalam and Vice Chancellor Engr. Abul Kalam inaugurated the festival and lauded the creative efforts of the participating and organizing students. LPS and MOSAIC societies collaborated with ZAHRSS Productions to organize two short theatre performances "**Surkhaab ka Makaan**" and "**Madia not Media**" which entertained audiences by portraying the absurdities prevailing in our society in a humorous way. The **Green Society** of NED University according to its traditions, promoted an even healthier environment by celebrating **GREEN DAY** on March 17, by organizing the ceremonial tree plantation by the VC in front of the Environmental Engg. Deptt. Also present on the occasion were the Pro-Vice Chancellor-I, Dr. Muzaffar Mahmood & Pro-Vice Chancellor-II, Dr. S. F. A. Rafeeqi, Registrar, Engr. Javed Aziz Khan, Controller of Students Affairs, Mr. Sohail Fazil Usmani and the Incharge Green Society, Mr. Mahmood Ali. The **Debating Society** under the guidance of Mr. Fareed Dar had another busy year with a number of in-house activities and the competitions held across Pakistan. The debaters and speakers of NED had a wide variety of opportunities that tested and further polished their skills from parliamentary style debating to impromptu and extempore speeches. An **All Karachi Bilingual Declamation Contest** was organized in September where speakers from leading institutions came to mesmerize the audience with their language dexterity and the lucidity of their arguments. Dean CPE, Prof. Dr. Muhammad Tufail was the chief guest, who appreciated the efforts of the debating society and distributed prizes among the winners and presented souvenirs to the judges.





# ENHANCED LIBRARY FACILITIES

NED offers its faculty and students the best library facilities, a fully computerized library management system at the Circulation and Reference Library which prove to be the largest lending and reference libraries in Karachi in the field of Science, Engg. and Technology, including the facility of Software, CDs & DVDs, important documents and archive material, the book bank lends books to all undergrads for their respective subjects for a period of more than 5 months now under the semester system, the digital library section with over 60 new computers with the latest Core-i technology for students to access the internet, along with e-books, e-journals worldwide (made available through HEC Digital Library Programme), photocopying, laser jet printing & scanning and CDs/DVDs copying facilities for students and faculty. The Chief Librarian, Ms. Meher Yasmeen along with her dedicated team are making every possible effort in improving their services to better facilitate their customers. Each year separate library orientation sessions for all first year students as well as the newly inducted faculty and a three day Annual Book Fair is organized in January wherein national and international book sellers, publishers and digital resource suppliers are invited.



## SOCIALLY RESPONSIBLE NED YOUTH

From seminars and workshops to unity campaigns and donation drives all are indicative of the fact that the youth at NED is very much a part of Pakistan's youth that is growing and flowering to become the next generation of socially responsible citizens. Starting with a modest donation to the NED School and a one day volunteered but highly planned teaching at SMB Fatima Jinnah High School as the symbol of how youth can find ways of joining in on the constructive activities that are going on around them. Seminars like Edvolution (theme: providing free education to those who cannot afford it), Inventus (theme: neuro linguistic programming for controlling your minds and lives) and many others were routinely held by the students of NED University which is a clear indication that the youth of NED is interested in positively utilizing their talents and that the environment at the varsity is providing them the means to channelize their energies beneficially. Our students felt their responsibility towards the families affected by the floods and, like last year, initiated multiple efforts from fund raising to goods collection, and from packaging to dispatching to the affected districts through the institutional support. Their efforts along with the contributions from the staff and faculty was a gesture to show their concern and understanding towards their fellow countrymen in trouble.

## ENGRO INTERNSHIP PROGRAMME

ENGRO CORP. conducted an aptitude test to select interns for their summer internship programme. A good number of students from various departments (ME, EE, EL, CH) appeared, the shortlisted candidates were called for an interview and finally four students from NED made it to their internship program; Saad Sultan (BE ME), Rafay Waqar (BE ME), Shaji Farooq Baig (BE EL), Wardah Latif (BE CH). The interns represented NED at ENGRO Fertilizers during this summer; the internship program offered students to exhibit their expertise in engineering by working on different projects and tasks assigned to them. On the basis of their internship experience, these interns will have an edge over other candidates in the job recruitment process at ENGRO in future.

## FROM THE SPORTS ARENA

The sportsmen and sportswomen of NED University have always brought glory to the name of their institute through their strenuous efforts. This year the students of NED University participated in various sports events at District, Intervarsity, National and International level. The boys' teams participated and qualified as semi finalists and finalists in the competitions held throughout the country. The basket ball team participated in the tournament held at University of Karachi from 3rd to 5th January 2011. The badminton team qualified as semi finalists in the zonal badminton tournament held at Iqra University from 25th to 27th January 2011. The tennis team participated in the tournament held at All Pakistan level held at Government College University, Lahore from 2nd to 4th February 2011. The volleyball team participated in the tournament held at Iqra University at zonal level. The football team grabbed 1st Position in an All Karachi tournament held at Agha Khan University from 4th to 15th April 2011, the team also participated in an All Pakistan tournament held at NED University from 7th to 10th March. The hockey team qualified as semi finalist in a zonal tournament held at NED University from 31st March to 2nd April 2011. The chess team achieved 5th Position in an All Pakistan tournament held at University of Islamabad from 19th to 21st February, 2011. From the Girls, Aiman Anwar (Urban Engineering) represented NED in an international 3 match series of cricket held at Malaysia from 15th to 22nd July 2011. Following students of NED University have participated in National Championships: Rabia Ghani (Electrical Engineering) in women hockey held from 4th to 8th January, 2011. Zain-ul-Abedin (Civil Engineering) and Ghazal Farooq (Electrical Engineering) were awarded Gold Medals in the basket ball tournament (Boys) and in athletics (Girls) held from 16th to 20th March 2011 whereas Hafiz Mohammad Bilal (Electronics Engineering) grabbed a Gold Medal in Canoeing (Boys) held from 17th to 20th March 2011.

## SEMINAR SERIES BY HUMANITIES DEPARTMENT

NED varsity realizes the significance of humanities and social sciences in developing quality engineers who are capable of contributing to the society at large through their technical work. This is only possible if they have been given exposure to the subjects and themes dealing with humanities and social sciences alongside education and training in their technical disciplines. Humanities Deptt. planned a seminar series as their major activity for 2011 with the Islamic Studies faculty hosting the seminar "Solution of Current Problems in The Light of SEERAT UN NABI (PBUH)" with Prof. Dr. Ehsan-Ul-Haq (Chair Arabic Deptt., KU) and Prof. Dr. Abdul Jabar Qureshi (Chair Islamic Studies Deptt., FUUAST) as the eminent speakers. In the second quarter of this year the LPS and Pakistan Society with NED youth - CSN organized a symposium entitled "Development & Change through Education" with the aim to mobilize youth in making a positive contribution to their immediate environments. The notable speakers were Mr. Riaz Kamrani (TCF), Mr. Salman Asif Siddiqui (ERDC), Dr. Hina H. Kazmi (EDLINKS-USAID), Mr. Sumair Abro (KASB). Once again in Sept. Pakistan Society with Constructive Students Network organized a very thought provoking seminar entitled: "Lessons Learnt from Pakistan's History" with special reference to the situation before 1971. Barrister Shahida Jamil presented a detailed analysis of the historical facts with evidences from across the globe which enabled the audience to put the facts in their true perspective. The seminar "Language Awareness and How It Affects Your Communication Skills" was the final event of this series. This event was organized in the video conferencing centre to enable universities and HEC regional centres to join the interested audiences from other cities. Dr. Graeme Cane, Director CEL, AKU was the invited speaker who in a very interesting manner elaborated the aspects of language awareness and how it impacts individuals in different contexts.

