



NED University of Engineering & Technology

Welcome!



Quarterly Newsletter

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Second issue of QEC Newsletter of the year 2018 has been made readably available and accessible to all patrons. The desired objective of this periodic publication is to keep informed patrons about the latest developments and advancement in the University. Your esteemed feedback and valuable comments are always appreciated for further development and improvement of this Newsletter.



Prime Minister Inaugurates National Incubation Center (NIC)

◆ Prime Minister of Pakistan, Shahid Khaqan Abbasi inaugurated the National Incubation Center (NIC) Karachi at the launch ceremony held at NED University on 11th May, 2018. The Karachi-based incubation center will be operated by LMKT in prime partnership of NED University. Other partners include, PTCL, Habib Bank Limited and Pakistan Poverty Alleviation Fund, PPAF, while the funding of about Rs. 575 Million for the center will come through the Ministry of IT&T and Ignite Fund (formerly known as National ICT R&D Fund) under their National Incubation Center Program.

Dr. Sarosh H. Lodi, Vice-Chancellor NED University; Mr. Yousuf Hussain, CEO Ignite; Prof. Dr. Saad Ahmed Qazi, Dean (ECE) and Shahjahan Chaudhary, Project Director NIC Karachi welcomed the honorable Prime Minister of Pakistan Shahid Khaqan Abbasi, who was the Chief Guest of the ceremony and Minister of IT&T



Anusha Rahman, who was the Guest of Honor. Renowned dignitaries from the public and private sectors were also in attendance at the event.

The event kicked off with a panel discussion moderated by Murtaza Zaidi, Director NIC Peshawar. The panelists included Jehan Ara – President at P@SHA, Faisal Sherjan – Program Director at NIC Lahore, Neelam Azman – Innovation Intervention Specialist at Pakistan Poverty Alleviation Fund (PPAF), and Adnan Shahid, Chief Commercial Officer at PTCL. The panel discussion explored the potential of NICs to ignite and strengthen the local entrepreneurial ecosystem of the country.

NIC Karachi is perfectly placed to attract the country's talented youth and make a true impact in the country's economic future. As the Prime Minister pointed out during his speech "Karachi is the heart of Pakistan. Karachi succeeds, Pakistan

succeeds." The Prime Minister also expressed his desire to allocate more of the government's funds towards the startup sector at the ceremony.

The NIC in Karachi, which aims to provide incubation services for over 200 next-generation businesses in the first five years, will empower aspiring Sindh-based entrepreneurs to create high-growth and sustainable businesses. In addition, it will also provide talented entrepreneurs and promising startups from the Sindh region quality incubation programs; access to mentor and investor networks; and technical resources. The incubator will connect budding entrepreneurs and promising startups with mentors, investors and new business opportunities. A 12-week experiential learning program aims to produce impact entrepreneurs, who will also benefit from intensive 1-on-1 coaching programs as well.

NIC Karachi will focus its resources on identifying and nurturing promising startups by running various programs that will range from two-day boot camps to year-long acceleration programs.

This includes the center's SPARK Accelerator program, which will look to digital transformation in thirteen areas of focus including Fintech, real estate, commerce, cyber security, and robotics. Along with other facilities, incubating startups businesses at NIC Karachi will have access to a design studio, NED University's Makers' Lab and a Fintech center, a result of HBL's collaboration on the project.



QAA-HEC Review Visit for Masters/PhD Programs



◆ The Review Panel of Quality Assurance Agency Higher Education Commission (QAA-HEC) visited NED University of Engineering & Technology to conduct review of its Masters/PhD Programs on 5th April, 2018. The team comprised of ten members including Dr. Riaz Ahmad, Advisor, QAD-HEC and Prof. Dr. Attaullah Shah, Vice Chancellor, City University of Information Technology, Peshawar.

On their arrival, the Review Panel was welcomed by Prof. Dr. Asif Ahmed Shaikh, Director QEC, NED University of Engineering and Technology. The opening meeting was chaired by the Vice Chancellor, Dr. Sarosh H. Lodi. The Pro-Vice Chancellor, all Deans of Faculties, Director QEC and Deputy Directors of the QEC attended this meeting. During the opening meeting, a comprehensive presentation was delivered by Dr. Riaz Uddin, Deputy Director (QEC) detailing the Masters and PhD Programs at NED University, statuses of NOCs of programs started after November 2013, facilities, achievements and important parameters related to academics and research.



The Vice Chancellor assured full cooperation and support for the smooth conduct of the review process.

During the review, the Review Panel thoroughly assessed the University's Masters/PhD programs and verified all the related evidences. The Review Panel also visited research and academic facilities of the NED University such as Virtual Reality Lab and Classroom etc. They also interacted separately with research students of all Masters/PhD programs and research supervisors. In addition, they also conducted as separate meeting with HODs, Deans, Controller of Examinations and Secretary, Advanced Studies Research Board (ASRB).

The review process was concluded with the closing meeting headed by the Vice Chancellor. Head of the QAA-HEC Review Panel thanked the Vice Chancellor and NED University team for the hospitality and facilitation during review process. He also suggested few areas of attention for future improvements. The Vice Chancellor appreciated the deep involvement of the review panel for their observations and assured positive considerations on their suggestions.



Chemical Engineering



◆ The students of 3rd Year Engineering visited Pakistan Cables on May 2, 2018.

◆ A technical session was arranged by the department for the final year chemical engineering students held on 14th May, 2018. Mr. Anjum Baig Senior Engineer from Fouji Fertilizer Company (FFC) delivered the lecture on "Supervisory Skills For Engineers".



◆ An Iftar Drive was arranged by the students of chemical engineering department near NIPA Chowrangi on 9th June.

◆ An industrial visit was arranged for the 3rd Year Chemical Engineering Students to National Refinery Limited on 4th-5th July, 2018. It was the first time that National Refinery Limited allowed the Ninety three (93) to visit their facility.



Computer Science & IT and Software Engineering



◆ A workshop on "Microsoft Office Advance", was organized on 9th-10th April, 2018. Tecnomis International was the speaker.

◆ A workshop was organized on "Data Science with Azure ML", on 17th-19th April 2018. Mr. Sajid Bandy from Inseyab Consulting the speaker.

◆ A workshop was organized on "Microsoft Azure", on 23rd April 2018. The speaker was Mr. Nasir Syed (Microsoft Corporation USA).

◆ A One day conference on "Cyber Secure Pakistan Vision 2025" was jointly organized by Pakistan Information Security Association (PISA) on 5th May, 2018. The aim of the conference was to adjust the vital issue of sustainable development of Pakistan and its linkages with the cyber secure Pakistan.

The renowned Pakistani scientist Prof. Dr. Atta-ur-Rahman (former Chairman of the Higher Education Commission of Pakistan and the former Federal Minister for Science and Technology) was the Chief Guest of the conference. Prof. Dr. Saad Ahmed Qazi, Dean (ECE) in his welcome address, emphasized the importance of cybersecurity for the economy, national security and defense of Pakistan and the role of academia and industry in achieving the milestones towards a Cyber Secure Pakistan. Mr. Ammar Hussain Jaffri (the President PISA) explained the aims and objectives of PISA and the importance of the development of a Cybersecurity Framework for Pakistan. He focused on the importance of establishing the Blockchain Alliance in Pakistan by joining the sub-groups working in this area in different universities all over the country.

Bio Medical Engineering



◆ Dr. Eraj Humayun Mirza (Ph.D in Biomedical Engineering) joined the department as Assistant Professor in April 2018. He completed his PhD in Biomaterials and Tissue Engineering from the University of Malaya.

◆ A grant of approx. Rupees 25 Million has been approved in June 2018 for Genomics Laboratory under National Center for Big Data and Cloud Computing.

Mathematics



◆ On the 10th May, 2018 Quants (Student's society of Computational finance) organized a seminar on "The Financial Dilemma Of Pakistan and The Role of The Youth" at Main Auditorium the University. It was attended by students and teachers of the University with an attendance of over 200 people. Quants invited qualified and highly dignified speakers from various institutions of Karachi to come and talk on the subject.

◆ Mr. Imran Sherwani, from SZABIST and works as a journalist, Mr. Asif, from SZABIST and works within the Pharma Industry, Mr. Huzair, a motivational speaker and affiliated with Aga Khan Hospital were the guest speakers of the seminar.

◆ Dr. Riaz who has served abroad and is very well known within the pharmaceutical industry with over 20 years of experience was (keynote) speaker of the event a successful event because of the hard work and endless efforts put together by the members of Quants Society.



Electrical Engineering



◆ IEEE PES NEDUET Chapter, in collaboration with the department, organized a one-day certified technical seminar, "Transforming Present Grid to the Future" on 3rd May, 2018. Guest speakers from renowned industries were invited in the seminar.



In the opening speech, Dr. Professor Saad Ahmed Qazi, Dean (ECE), welcomed the honorable guests and stressed upon the importance of industry-academia linkage and the need to inculcate it into the future engineers.

Engr. M. Abdur Rehman, Power System Consultant, Siemens talked about power system planning, discussing network configuration, short circuit calculations and cable sizing. Engr. M. Uzair Khurshid, Senior Protection Engineer, Sismens focused on HVDC classic and explained the various units of HVDC substation in Brazil through visual aid. Engr. M. Shakir Fatah, Power System Consultant, Siemens discussed the different type of faults and various protection devices used in power systems. Engr. M. Qayyum Farooqui, Operation Engineer, K-Electric highlighted the energy situation of Pakistan and the need to realize the capability of its alternate sources

of energy, supported by recommended investment and smart policy-making. Engr. Touqeer Ahmed of Siemens, Germany discussed the startup and loading of the feed water cycle system in turbine generators and its operational concerns and practices. Engr. Talha Ali Qasmi, Project Engineer, Siemens underlined the procedures and practices of HV Grid construction in the professional grounds focusing on budget, surveys, network study, evaluations, contract, planning, execution, acceptance and all the various steps to finalizing a respective project. The lectures were followed by a question and answer session.

Dr. Muhammad Ali Memon, Chairperson ensured his endless support and participation in any such technical events for future which may contribute to the link between field and academics. In the end, tokens of appreciation was presented to the guest speakers. The highlight of the event was the

"Celebration of IEEE PES Day" and "5 Years Anniversary Celebrations of IEEE PES NEDUET Chapter", along with some notable PES NED Alumni.



Improve Quality,
you Automatically
Improve
Productivity.

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Metallurgical Engineering



◆ Second year student of the department, Mr. Azzemullah won Badminton Winner award organized by Pakistan Military Academy "Sports Gala" in May 2018 and stood first position. He was also the part NED University cricket team which won the cricket



tournament in the same sports gala.

◆ Second year student of the department, Mr. Wali ul Islam won Man of the Tournament trophy award in Football event organized by Pakistan Military Academy "Sports Gala" in May 2018.



Engr. Abul Kalam Library



◆ The library organized a seminar titled "Literature is the Mirror of the Society" in connection with celebrating World Book and Copy Right Day. The event was held on 24th April, 2018 in collaboration with Pakistan Library Club (PLC)



and Goethe Institute, Karachi.

◆ Two Assistant Librarians of the library participated in the World Book Day jointly organized by Pakistan Library Association (PLA) & Department of Library Information Science, University of Karachi. The event was held on 24th April, 2018 at the Arts Auditorium, UoK.

Civil Engineering



◆ Prof. Dr. Rizwan Ul Haque Farooqui, Co-Chairman attended Seminar on "Building Management System" as Guest Speaker in ABAD International Expo-2018 at Islamabad on 5th-6th May, 2018.

◆ Prof. Dr. Rizwan Ul Haque Farooqui, Co-Chairman attended Seminar and Expo at Marriott Hotel, Karachi held on 27th April, 2018.

◆ Prof. Dr. Abdul Jabbar Sangi, Professor visited Abasyn University Islamabad Campus as PEV/Expert for the "Re-accreditation of Civil Engineering Program" at Islamabad on 25th-26th April, 2018.



◆ Dr. Muhammad Aslam Bhutto, Assistant Professor attended NTC HEC Workshop for Technology Program Evaluator" at HEC Regional Centre, Karachi on 18th-19th April, 2018.

◆ Prof. Dr. Asad-ur-Rehman Khan, Chairperson presented paper titled "Mechanical Properties of Concrete made up from Recycled Coarse Aggregates" for oral presentation in ASEC 14 – The 14th Arab Structural Engineering Conference at Irbid, Jordan 11th-16th April, 2018.



◆ Prof. Dr. Abdul Jabbar Sangi, Professor attended "34th Executive

Committee Meeting of Asian Civil Engineering Coordinating Council (ACECC)", "28th ACECC Planning Committee Meeting", "23rd Technical Coordination Meeting" and "IC-14 Seminar" at Vietnam on 10th-16th April, 2018.

◆ Dr. Haider Hasan, Associate Professor attended "European Geosciences Union (EGU) General Assembly Meeting 2018" at Vienna, Austria on 7th-11th April, 2018.

◆ Dr. Muhammad Aslam Bhutto, Assistant Professor attended "2nd Capacity Building Workshop" organized by NTC at HEC Regional Office, Karachi in April 2018.

◆ Prof. Dr. Amanullah Marri, Professor attended the "1st International Conference ICAET-2018" at Balochistan University of Information Technology Engineering and Management Sciences (BUIITEMS) Quetta, Balochistan on 2nd-3rd April, 2018.



◆ Two-Day International Seminar and Hands-on Training on Performance-Based Structural Design of Tall Buildings, was organized by NEDU-ET and AIT, Thailand on 20th-21st April, 2018.



Environmental Engineering



◆ A seminar on "World Earth Day - 2018" was organized by the department on 26th April, 2018. Prof. Dr. Muhammad Tufail, Pro-Vice Chancellor was the Chief Guest at the event.

◆ Tree plantation event was organized by the department on 10th May, 2018 in an effort to make a Green Campus. A large number of students and faculty members attended the event with planting Azadirachta indica, commonly known as neem trees, Anjeer (Ficus carica), Chikoo (Sapodilla) fruit plants etc.

◆ One Faculty Member attended "Progress Review Meeting & Training for Quality Enhancement Cells" organized by Quality Assurance Agency, Higher Education Commission, Islamabad from 11th-12th April, 2018.

◆ One Faculty Member delivered a lecture on Environmental Issues at Barrett Hodgson University, Karachi on 24th April, 2018.

◆ One Faculty Member attended the "INQAAHE 11th Biennial Forum" being hosted by Mauritius Tertiary Education Commission (TEC) at Mauritius from 30th April -5th May, 2018.

◆ One Faculty Member visited Higher Education Commission, Islamabad on 21st May, 2018.

◆ One Faculty Member visited Higher Education Commission, Islamabad from 24th-25th May, 2018.

Computer & Information Systems Engineering



◆ Four (04) Final year projects of the department got their FYPs funded under National Grassroots ICT Research Initiative 2017-18. Under the development fund approx. Rs. 80,000/- was approved for each project.

◆ Dr. M. Khurram, Assistant Professor was granted "Technology Development Fund" (TDF) on project "Smart Rice Quality Analyzer Gadget Using Machine Learning and Image Processing" of approx. Rs. 4.5 Million for two years. A gadget will be designed to analyse the quality of the Rice sample through computer vision analysis techniques. M/S

Al-Karam Rice Mills Ltd, Karachi is the industrial partner of the project.

◆ Dr. M. Ali Ismail, Associate Professor was granted "Technology Development Fund" (TDF) on project "Adoption of Scientific Software (Fluent, Cadence and MATLAB) as Cloud Services" of approx. Rs. 7.5 Million for two years. This project will develop open source software for the industrial and academic researchers and developers. This project will also provide computational services to the industry and universities.

Architecture & Planning



◆ The department organized 2nd International Conference on Urban and Regional Planning, held on 27th-28th April, 2018 at the department. The major area of the conference

was "Cities Beyond City". The event was attended by national and international scholars, faculty members and students of the department.

Polymer & Petrochemical Engineering



◆ Mr. Salwat Hussain Rizvi from Engro Polymer & Chemical Limited visited NED University on 7th May, 2018. He discussed the air, water & power generation systems of industry. He discussed the importance of heat recovery systems and how to operate the plant in an energy efficient manner.



◆ Mr. Muhammad Saad Khan from Engro Polymer & Chemical Limited visited NED University on

13th April, 2018. He explained how a trainee engineer gets training in an industry. He discussed about the environment and expectations of industry.

◆ Mr. Anjum Baig, Safety Professional from FFC visited NED University on 14th May, 2018. He addressed the students & demonstrates the abilities of a skilled supervisor/manager on a daily basis. He also discussed the role and responsibilities of a supervisor.



Directorate of Industrial Liaison



◆ The department arranged six On-Campus recruitment drives for fresh graduates/graduating students and shared Job Placement forms/CV's, Graduate Directories/Posting of Job Flyers at the departmental website and Boards. 98 industries have been facilitated for the job placement activity.



◆ Eight Industrial / Study Visits were arranged; Nine Final Year Projects (FYPs) were shared with students/Departments; and 1299

Internships, (443 Self & 856 on Merit) were arranged for the students during Ramazan Break.

◆ The department arranged Six Sigma Webinar on Islamic Banking By Bank al-Baraka and a Young Leaders Conference by "School of Leadership" at Main auditorium. The department also shared Internees Assessment Feedback Reports and Employer Feedback Survey Report with all the teaching departments of the University for implementation of OBE System.



Medical Department



◆ The department conducted survey in remote area of the city, for imparting awareness regarding Medical Ailments in

the society. The survey was carried out on 28th April, 2018 at Shahra-e-Hamard University, Karachi.

CCEE



◆ One day certificate course on "Why Process Safety is needed for Chemical Process Industries" was conducted on 7th April, 2018.

◆ Three days certificate course on "Groundwater Modeling" was conducted on 13th-5th April, 2018.

◆ Four days certificate course on "News editing & Feature Editing" was conducted on 21st-22nd & 28th-29th April, 2018.

◆ Five days certificate course on "Six Sigma (Green Belt)" was conducted on 23rd-27th April, 2018.

◆ Five days certificate course on "Part Modeling and Assembly Design" was conducted on 23rd-27th April, 2018.

◆ Three days certificate course on "Failure Mode & Effect Analysis" was conducted on 2nd-4th May, 2018.

Department of Students Affairs



◆ The GRE Information Session was held on 6th April, 2018 by the department in collaboration with United State Education Foundation Pakistan.

◆ The department arranged a lecture of "Director General Pakistan Rangers (Sindh)" on 18th April, 2018 at NED Auditorium.

◆ Girls' Affairs Society arranged a Picnic on 21st April, 2018 at Dream World Water Park for the female students.

◆ A Free Eye Camp was set up by Pakistan Eye Bank Society in collaboration with Medical Department on 25th April, 2018 at Medical Department of the University.

◆ An Anti-Corrupting Walk was jointly arranged by the Character Building Society on 26th April, 2018 from Students Facilities Centre to Administration Building.



◆ The representative of the University of Manchester visited and delivered a lecture to the students on 27th April, 2018 at Video Conferencing Hall.

◆ A seminar on "Robots Drones and Security" was organized on 3rd May, 2018 at VCH.

◆ The NED Talenta & Theatre was held on 14th May, 2018 in collaboration with MOSAIC Society.

◆ The All Karachi Urdu Conventional Debate Competition was organized on 16th May, 2018 at NED Auditorium in collaboration with NED Debating Society.

◆ As per Directive of Government of Sindh regarding 15th of Ramadan as the "Day of Orphans", some orphans children were invited as guest of NED University Students. Also Mr. Ghazanfar Hussain, Registrar, Mr. Jaseem Uddin, In-charge-MOSAIC Society and Dr. Ali Hasan Mahmood, Controller Students Affairs alongwith volunteer students visited Edhi Orphanage on 1st June, 2018 and distributed gifts hampers to the kids.

