



NED University of Engineering & Technology

Quarterly Newsletter

Vol. 8 (3)
Jul - Sep' 19

Third issue of QEC Newsletter of the year 2019 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.

Walk for Solidarity with Kashmiri Peoples

As per directives of Prime Minister of Pakistan, solidarity hour with Kashmiri peoples was observed on 30th August, 2019. Faculty members, officers, staff and students participated in the walk.



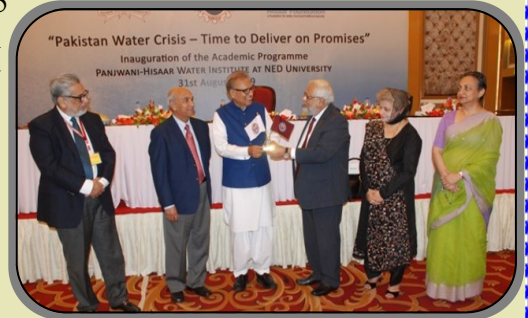
Development of Urban Forest at NED

The NED University of Engineering and Technology held a ceremony recently to formally launch an urban forest being developed on the campus. The project has been initiated in collaboration with The Institution of Engineers, Pakistan (IEP), Karachi Centre, involving students of Urban Engineering Department in collaboration with Student Affairs Department. 90 fruit trees of 14 different species were grown over an area of 300 square feet.



Inauguration of "Panjwani Hisaar Water Institute"

The Panjwani-Hisaar Water Institute (PHWI) is a collaborated effort of NED University, Panjwani Charitable Foundation and Hisaar Foundation. PHWI has successfully completed its first academic programme on 'Water Law', a comprehensive course spread over 5 days (18 hours) from 30th August to 3rd September 2019. PHWI academic programme was inaugurated by chief guest, President of Pakistan, Dr. Arif Alvi.



Pre-Admission Entry Test 2019-20



Pre-admission Entry Test for session 2019-20 was conducted on 6th September, 2019 by the University. A total of 10,387 candidates were appeared in the Pre-Admission Entry test.

TEAM—QEC NEWSLETTER



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Symposium on Kashmir and Security of Pakistan

NED University of Engineering & Technology along with the entire nation observed the Defence and Martyrs Day on 6th September 2019 as the Kashmir Solidarity day to reaffirm support of Pakistani nation for the oppressed people of Indian held Kashmir by organizing a symposium on Kashmir and Security of Pakistan. The honorable guests for the session were Prof. Dr. Moonis Ahmar, Meritorious Professor, Department of International Relations, University of Karachi, Brig. Retd. Haris Nawaz, Defence & Political Analyst and Barrister Shahida Jamil, Former Federal and Provincial Minister of Law. The symposium was presided by the Prof. Dr. Noman Ahmed, Dean AMS & ISH and was attended by the students of Postgraduate and Undergraduate along with Department Chairs, faculty and members of the administration.

The symposium focused on how to address the current situa-

tion of Kashmir, the role of Pakistan's – Government, security forces, its Youth along with the input of the international community and the United Nations in bringing peace to the valley of Kashmir. The guest speakers shared detailed insights based on their experience and area of expertise in defence, law, international relations and politics to point to the possible solutions that the national and international community should take up to resolve the conflict in Kashmir. The perspectives and approaches on the Kashmir and

Security of Pakistan shared by the guest speakers motivated the audience to have an interactive question and answer session with the esteemed speakers.



Activities of Quality Enhancement Cell



IPE Visit of Kohat University

Prof. Dr. Asif Ahmed Shaikh, Director QEC attended the IPE Visit of Kohat University of Science and Technology, Kohat as Member of IPE team constituted by QAA, Higher Education Commission from 16-18 September, 2019 at Kohat University of Science and Technology, Kohat.



Workshop on

“Research Management & Proposal Writing”

Dr. Riaz Uddin, Deputy Director QEC along with Prof. Dr. Rizwan Ul Haque, Co Chairman, Civil Engineering Department & DG, NED Academy attended a workshop on “Research Management & Proposal Writing” on 1st August, 2019 at Dawood University of Engineering and Technology.



Executive Committee Meeting of PNQAHE

Prof. Dr. Asif Ahmed Shaikh, Director QEC attended 6th Executive Committee Meeting of Pakistan Network of Quality Assurance in Higher Education (PNQAHE) on 16th September, 2019 at Khyber Medical University, Peshawar.



Department of Electrical Engineering



Dr. Riaz Uddin, Assistant Professor, Deputy Director QEC & PI of Haptics Human Robotics & Condition Monitoring Lab, NCRA attended 4th NSC meeting



of NCRA at College of E&ME, NUST University, Rawalpindi on 26th September, 2019; where he presented the details about the progress of the Haptics Human Robotics and Conditional monitoring lab (which is an affiliated lab of National Centre of Robotics and Automation, HEC/PC Pakistan). It is one of the facility of Robotics & Haptics research lab that exists amongst the eleven labs present across the country.



Department of Civil Engineering



Dr. Shamsoon Fareed, Assistant Professor presented paper titled “Behaviour of recycled aggregates RC columns strengthened with CFRP under Uniaxial Compressive Loadings” in 10th International Fibre Conference 2019 held on 15-22 September, 2019 at Prague, Czech Republic.



Prof. Dr. Abdul Jabbar Sangi conducted OBA based accreditation visit as Team Leader / Convener for B.S Civil Engineering Program of Muslim Youth University on 21-23 August, 2019 at Islamabad.

Mr. Muhammad Saqib, Assistant Professor attended project meeting and workshop titled “Capacity Building in Technology Innovation in Healthcare” on 19-27 July, 2019 at University of Surrey, Guildford, United Kingdom.

Prof. Dr. Shuaib Haroon Ahmad, JPC Chair participated in the NEDIAN-NA 15th International Convention on 16-18 August, 2019 at Philadelphia, USA.

Prof. Dr. Abdul Jabbar Sangi conducted PEC accreditation visit as Convener for B.Sc. Civil Engineering Program of Quaid-e-Azam College of Engineering and Technology (QCET) on 5-7 August, 2019 at Sahiwal (UET-Lahore).

Prof. Dr. Rizwan Ul Haque Farooqui, Co-Chairman attended CPD short course titled “Career Readiness Insights for Engineers for China Pakistan Economic Corridor (CPEC) and Beyond” as Resource Person at on 27th August, 2019 PEC Headquarter, Islamabad.



Mr. Shoaib Ahmed, Assistant Professor attended UNESCO Regional Strategic Coordination Meeting on “Science to Enable and Empower Asia Pacific for SDGs II” on 16-19 September, 2019 at Jakarta, Indonesia.

Dr. Farrukh Arif, Associate Professor conducted OBA Based re-accreditation visit as PEV/Expert for B.Sc. Civil Engineering Program of University of Lahore, Lahore (main campus) on 29-31 July, 2019.

Prof. Dr. Asad-ur-Rehman Khan, Chairman presented paper titled “Use of Recycled Concrete Aggregates in Structural Concrete” in 5th International Conference on Sustainable Construction Materials and Technologies (SCMT5) on 12-19 July at London, UK.

Dr. Farrukh Arif, Associate Professor conducted OBA Based re-accreditation visit as PEV/Expert for B.Sc. Civil Program of COMSATS University, Islamabad. Visit was held on 4-6 August, 2019.

Prof. Dr. Rizwan Ul Haque Farooqui, Co-Chairman and Mr. Muhammad Umer, Assistant Professor conducted CPD short course titled “Building Information Modeling” as Resource Person at PEC Headquarter, Islamabad on 30-31 July, 2019.



Department of Textile Engineering



Department organized an event ‘Career Drive 2019’ in collaboration with well-known textile industries of Pakistan to provide job placement for the graduating students of BE and BS programmes in Textile. The drive received a great success with the participation of Soorty Industries, Artistic Fabrics, Naveena Industries, Younus Textile Mills, Al-Raheem Industries and Al-Muqet Textile Mills.



A Poster was presented by Dr Shenela Naqvi in annual scientific meeting of the British & Irish Hypertension Society held on 16-18 September, 2019 in University of Birmingham, UK. It won the 2019 Journal of Human Hypertension Poster Prize of 100 pounds sterling and complimentary access to the Journal of Human Hypertension online for a year.



Department of Environmental Engineering



- ◆ Prof. Dr. Asif Ahmed Shaikh, Chairman attended 10th International Conference on New Horizons in Education from 30th June to 6th July, 2019 at Prague, Czech Republic.
- ◆ Prof. Dr. Asif Ahmed Shaikh, Chairman conducted the Interview of Postgraduate candidates for MEXT Scholarship Program on 10th July, 2019 at Consulate General of Japan in Karachi.
- ◆ Prof. Dr. Asif Ahmed Shaikh, Chairman conducted the Interview of Undergraduate candidates for MEXT Scholarship Program on 24th July, 2019 at Consulate General of Japan in Karachi.
- ◆ Prof. Dr. Asif Ahmed Shaikh, Chairman of attended the meeting of International Scholarship Award Committee (ISAC) as External Member on 24th July, 2019 at Dawood University of Engineering and Technology, Karachi.
- ◆ Prof. Dr. Asif Ahmed Shaikh, Chairman attended 02 days' workshop titled "National Workshop Incubator Management" from 1-2 August, 2019 at National University of Modern Languages, Islamabad.
- ◆ Prof. Dr. Asif Ahmed Shaikh, Chairman visited Islamabad for acquiring consent to start BS (Computer Science) Programme at Thar Institute of Engineering, Science and Technology from 26-27 August, 2019 at Higher Education Commission, Islamabad.
- ◆ Dr. Mehmood Ali, Associate Professor attended the "Faculty Workshop Boot Camp" from 1-3 August, 2019 at Mehran University of Engineering and Technology, Jamshoro.
- ◆ Dr. Abdul Ghaffar, Assistant Professor is attending "One month Industrial Training" from 18th September to 17th October, 2019 at Global Environmental Management Services (GEMS) Pvt. Ltd. Karachi.

A seminar on "Future prospects for biofuels and bio-energy in Pakistan" was organized by the department in collaboration with Pakistan State Oil on 22nd August, 2019.



Dr. Atif Mustafa, Associate Professor & Co-Chairman, Dr. Sadia Khan, Associate Professor and Dr. Abdul Ghaffar, Assistant Professor were awarded the status of HEC Approved Ph.D Supervisor in the discipline of Engineering and Technology by Higher Education Commission.



Directorate of Industrial Liaison



Directorate of Industrial Liaison arranged nine On-Campus recruitment drives for fresh graduates, graduating students and also shared Job Placement forms, CVs, Graduate Directories, posting of Job Flyers on University website and departmental noticeboards. In this regards, 110 industries have been facilitated for the job placement activity.

72

Final Year Projects were shared with the students/ departments.

1453

Internships were arranged during vacations.

On Self basis: 383

On merit basis: 1070

08

Industrial/ Study Visits to various industries were arranged.

A Career Fair 2019 was arranged on 19th September, 2019 in collaboration with Student Affairs Department and SENTEC.





Department of Computer Science & Information Technology



A lecture conducted by Dr. Karim S. Karim, Associate Dean - Outreach and Diversity, Faculty of Engineering Professor, Dept. of Electrical and Computer Engineering University of Waterloo for the faculty, Postgraduate students and PhD Scholars on 3rd August, 2019. He also showed interest to collaborate with NED in academic programs including outreach programs for schools. They are ready to be partners in outreach program to cater with schools and deliver education about robotics for school children in collaboration with Crania Schools.



Dr. Saman Hina, Associate Professor successfully completed an online capacity building course from Harvard University titled Higher Education Teaching Certificate.

Following training and short courses were offered:

Hands-on AR/VR started from 28th September, 2019. This is job oriented training at CSRD. Center for Software Research & Development starting 2nd Batch of collaborative hands on learning experience in AR and VR design.

Hands-on IoT Started from 14th September, 2019. This is job oriented training at CSRD; it enables the participants to develop the small scale IoT infrastructures, designing and Programming IoT in particular, and management of devices.

Department organized the 3rd Industrial Advisory Board (IAB) meeting on 20th July 2019. Participants from, various industries were invited

to discuss issues related to involvement of industries in academia for improvement of curriculum, FYPs and internships.



Centre of Continue Engineering Education



Department offered following short / certificate courses:

- ◆ One months certification course on “Entrepreneurship & Leadership Camp for your Kids” was conducted on 5-26 July, 2019.
- ◆ Three months certification course on “Certified Software Engineering Professional – Batch 38” & “Certified Web Engineering Professional – Batch 36” started from 7th July, 2019.
- ◆ Five days short course on “Programmable Logic Controllers” was conducted on 8-12 July, 2019.
- ◆ Two days short course on “Advanced Energy Audit” was conducted on 15-16 July, 2019.
- ◆ Eight weeks certification course on “Advance Course of IR & Major Labor Laws – Batch 3” was conducted on 21st July to 22nd September, 2019.
- ◆ Eight weeks certification course on “Professional Safety Practitioner (PSP)” was conducted on 21st July to 22nd September, 2019.
- ◆ Four months certificate course on “Certified Supply Chain Professional– Batch 4” started from 28th July, 2019.
- ◆ Two days short course on “Coal Mining & Preparation” was conducted on 29-30 July, 2019.
- ◆ One day short course on “Enhancing Purchasing Skill” was conducted on 3rd August, 2019.
- ◆ Three days short course on “Managing the Maintenance Department” was conducted on 5-7 August, 2019.
- ◆ Ten weeks certificate course on “Computational Fluid Dynamics – Batch 2” started from 19th August, 2019
- ◆ One months certification course on “Automotive Service Engineer” started from 26th August, 2019.
- ◆ Eight weeks certification course on “Professional / Senior in Human Resources Professionals” started from 30th August, 2019.
- ◆ Two days short course on “Maintenance Management & Operational Excellence” was conducted on 2-3 September, 2019.
- ◆ Three months certification course on “Software Engineering and JAVA Programming – Batch 2” started from 15th September, 2019.
- ◆ Six weeks certification course on “Certified Project Management Professional – Batch 7” & “Certified in Associate in Project Management – Batch 6 ” started from 22nd September, 2019.
- ◆ Eight weeks certification course on “Certified Construction Management Professional – Batch 7” started from 22nd September, 2019.
- ◆ Two days short course on “Industrial Energy Management” was conducted on 25-26 September, 2019.
- ◆ Four weeks certification course on “nD Building Information Modeling - Batch 6” started from 27th Sept, 2019.

Engr. Abul Kalam Library



Three surveillance cameras have been installed at bag counter of the library for the security and protecting belongings of library users.

Under the "Library Support Programme" special funds amounting Rs. 1 million allocated from the HEC for purchasing of books for the library. The funds have been utilized appropriately and 90 books were procured to enrich library's collection.

Three cordless barcode scanners have been purchased for the speedy stock taking of library books and other reading materials.



Students of Beaconhouse School visited the library on 19th September, 2019, where they were made aware of activities of different sections of the library.



Green Society in collaboration with Food Engineering Department organized a plantation drive on 17th July, 2019 at the lawn of the library. Prof. Dr. Muhammad Tufail, Pro Vice-Chancellor of the University grace the event by planting a tree.

The library has developed and implemented the mechanism of identification of defaulter students through the Undergraduate Student Management System. This interface notifies defaulter students to pay their library dues prior to get them register in the next semester.



Department of Architecture & Planning



The final year Thesis Juries were held from 8-10 August 2019, in which 42 students presented their work, and various Architects

came to review it. Some of the well known names amongst the jury members were: Architect Ejaz Ahd, Architect Fazal Noor, Architect Arif Changezi, President IAP, Architect Ramis Baig, IAP President Karachi Chapter, Architect Sami Chohan, Architect Mansoor Usmani and Architect Arif Hassan were present.

Development Studies programme welcomed planners, researchers, social activist, government officials and NGO as the jury members for final year Project Presentation for the 2nd graduating batch of Development Studies Programme on 6th August, 2019.

The important key takeaway for all the six projects was to recycle, reuse, reform, replenish and resistance. During the event it was observed that the student's theoretical propositions were based on the dialectical materialism and their solutions were a reflective of a desire to make elbow space in the prevailing economic system. The intriguing questions from the jury members such as Arif Hasan, Zeenia Shoukat, Mahim Meher made students more curious about their work resulting in the success of the event.



Medical Department



A series of training sessions were conducted in the department to engage and train students for community services.

These sessions were held in the months of July and August, 2019.



Department of Urban & Infrastructure Engineering



Urban day was celebrated on 11th July, 2019 by the department. It is an annual and flagship event of Urban Realm society. The main purpose of this annual event is to promote the field of Urban Engineering in front of corporate and industrial officials. To serve this purpose, students were encouraged to showcase their skills, understanding and creativity in any



course related to Urban Engineering. This event was comprised of 3 stages, first of motivational speaking session by urban alumnus,

second poster and prototype exhibition and third for the acknowledgment of outstanding students of the department.

Annual dinner is the traditional and yearly event to bid farewell to the graduating batch. This year it was held on 24th August, 2019. It was organized by the final year students in order to have their last casual interaction with fellow students and faculty of the department.



This event comprised of 3 different segments, first was the entertainment segment having singing, stage play performances. Second segment was the launch of Urban Realm Magazine which is considered to be a great achievement of this year. Third segment belongs to a fun activity and title distributions among the students of graduating batch.

The Independence day was celebrated with traditional spirit by the students of the department. Under the leadership of Dean CPL, Prof. Dr. Mir Shabbar Ali. The department attended the independence day celebration organized by Motorway Police. The event started with the National Anthem and flag hosting Ceremony. The event includes the participation of students in debates, quiz and sang mili-nagma. The winners of the competition were awarded with medals and prizes.



The yearly student magazine 'Urban Realm' published by Urban Realm society with the support of faculty and students of the department. The main purpose of having this magazine to showcase the Engineering student's mindset of Urban Realm and their standing the real and its solution. It is considered to be a great achievement of this year. The magazine was almost a gap of 3 years. Chief Editor of the magazine, Mr. Ahmed Shuja decided to launch it on the special occasion of Annual Dinner, and to dedicate it to our honorable Dean faculty of CPL, Prof. Dr. Mir Shabbar Ali. The magazine was distributed among all the participants of the ceremony and later it was distributed to more than twenty five companies in order to serve the purpose of promoting the field of Urban Engineering and its graduates.



Department of Chemical Engineering



"Quality tends to fan out like waves."

.. Robert M. Pirsig

Dr. Fahim Uddin, Assistant Professor has resumed the University after completion of his Ph.D. degree in Chemical Engineering from the University of Petronas, Malaysia.





Department of Computer & Information System Engg.



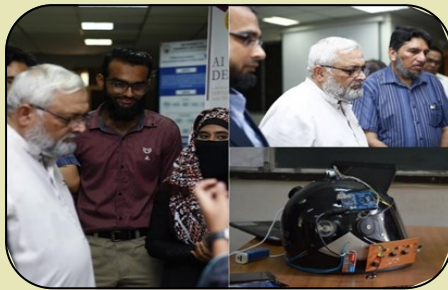
Bariya Faizan, Business Development Manager at National Center of Artificial Intelligence (NCAI) presented the recent advancements at NCAI in the AI Summit 2019 on 17th September, 2019. AI Summit is organized to inform the people about the opportunities in artificial intelligence and their impact on business and society. The platform helps the participants to learn from the industry experts. Multiple companies and AI engineers participated in the event.



National Centre in Big Data and Cloud Computing - Computational Astrophysics Lab organized the NASA supported event "On the Moon Again" for general public at Port Grand, Karachi on 12-13 July, 2019. Participants looked through an astronomical telescope and observed moon to celebrate 50th anniversary of first human landing on the Moon. Out of 1550 registered events from 77 countries NCBC, CIS, NED University secured 36th rank and received a winning prize.



Final Year Project Exhibition 2019 was held in the department on 24th August 2019. Industrial professionals and people from various academic institutions



attended the event. Dr. Sarosh Lodhi, Vice Chancellor of the University was the chief guest of the event. He appreciated the efforts of final year students and gave his valuable comments to students and suggested that other departments should also have such project exhibitions. Dr. Valiuddin, Vice Chancellor, Sir Syed University of Engineering & Technology, also attended FYP Exhibition and encouraged the effort of students.



Computational Astrophysics lab of NCBC, of the department organized a collaborative meeting with Dr. Aquib Moin, Project member of UAE Emirates Mars Mission Science Team, Project

Scientist and PI of various NASA projects to discuss the significance and role of computational aspect of space sciences. The meeting was held on 25th July, 2019.

Exascale Open Data Analytics Lab of NCBC, of the department organized a guest

lecture by Mr. Adnan Khan, Chief Solutions Architect at NOKIA on "An Introduction to Practical Deep Learning" on 4th July, 2019.

He explained the practical usage of Deep Learning in industry & also discussed the future of AI.



Department of Food Engineering



Plantation drive was organised on 16th July, 2019. It was the part of community service course and first year students were engaged in the activity.



Dr. Jawaad Ahmed Ansari has rejoined the department on 1st July 2019 after successful completion of his Ph.D. from University of Auckland, New Zealand. During his Ph.D., he worked on different non-thermal pasteurization techniques for the extension of shelf life of dairy products including milk.

Department of Humanities



A one-day workshop at Tadrees, a school of street children was conducted on 8th August, 2019 by the first year students of English Linguistic along with faculty member Mr. Muhammad Hassan Abbasi. The students indulged the children into different activities like playing with colors, storytelling and learning by doing. At the end of the session, gifts were also distributed among the children. This activity was conducted with a goal to spread awareness about education and spent some quality time with street children under the Community Service Course.



Ms. Hina Mohammad Ali, Lecturer participated in a six-weeks Summer Skilled Based Faculty Development Program (Batch 1) under the newly launched National Academy of Higher Education (NAHE), at HEC Islamabad from 1st July to 9th August, 2019. The objective of this training course was to equip young faculty members of both public and private HEIs with modern and innovative techniques in teaching, research and governance. The resource person and mentors for the trainings included: Dr. Tariq Banuri, Chairman HEC, Prof. Dr. Mohammad Ali Shah, VC Quaid-i-Azam University, Dr. Fida Hussain, Director, NAHE, Prof. Dr. Steve Burian, University of Utah, Dr. Mercedes M. Ward, University of Utah, Dr. Aslam Chaudhry, Deputy Project Director / Chief of Party in USPCAS-W, MUET and University of Utah, Dr. Sajjad Ahmad, University of Utah, Dr. Hamid Rafiq Khattak, Country Director and Chief Executive of ITC, United Nations and WTO's partner organization namely MANTECH & ARC, Dr. Attaullah Shah, VC, Karakoram International University, Dr. S. Zulfiqar Gilani, Former VC, University of Peshawar, Dr. Syed Muhammad Hassan Zaidi, Principal and Dean NUST-SEECS among many others.



U.S. Consulate General Karachi and the Regional English Language Officer (RELO) Pakistan organized a workshop on 'What is a Good English Language Teacher?' at the Consulate General – Karachi on 16th July, 2019 for Universities' M

Phil/ PhD Linguistics students. The faculty and MS/ PhD Students of the department participated in this learning opportunity and represented NEDUET.



Department of Student Affairs



The event Mega Project Exhibition and Robotics Competition 2019 was held on 4th July, 2019 at NED Auditorium / Fountain Area by Society for the Promotion of Science, Engineering and Technology (SNETEC) in collaboration with the department.



The programme Open Day & Hifiz-e-Quran test for first year students was organized on 7th September, 2019 at University premises by the department.



The students of Agha Khan School visited NED University on 26th September, 2019. Visit was arranged by the Department.



The visit of the students of Beaconhouse School was held on 19th September, 2019 at the University premises by the department.