



NED University of Engineering & Technology

Welcome!



Quarterly Newsletter

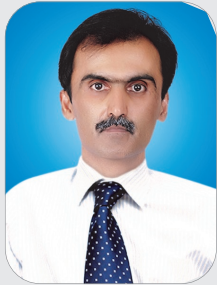
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2nd issue of QEC Newsletter of the year 2017 has been made available and accessible to all patrons. The desired objective of this periodic publication is to keep informed patrons about the latest developments and advancement in the University. Your esteemed feedback and valuable comments are always appreciated for further development and improvement of this Newsletter.



New Pro-Vice Chancellor (PVC)



Prof. Dr. Muhammad Tufail has been appointed as Pro-Vice Chancellor, NED University in June 2017 for four years. Dr. Tufail received his Masters and PhD from University of Nottingham. He joined NED University in February 2000 as Associate Professor in the Department of Mechanical Engineering. He has served NED University in various capacities in-

cluding (i) Chairman Industrial & Manufacturing Engineering Department, (ii) Dean Faculty of Chemical and Process Engineering, (iii) Dean Faculty of Mechanical & Manufacturing Engineering (acting), (iv) Dean Faculty of Information, Sciences and Humanities (acting), (v) Management Representative for ISO 9000, (vi) Chairman NED Admissions Committee. He is a chartered Engineer and Fellow of Institution of Mechanical Engineers, UK. He is also the member of American Society of Mechanical Engineers.

New Dean (CEA)



Prof. Dr. Mir Shabbar Ali has been appointed as Dean Faculty of Civil Engineering & Architecture (CEA) of the University in March 2017. He is also holding Acting Charge of Dean Faculty of Biomedical Engineering (BME). He received his Bachelor of Civil Engineering from NED University in 1983, MS from University of Oklahoma, USA in 1987 and

PhD from University of Birmingham, UK in the year 2001. He has been serving NED since 1988 and later on become the Chairman of Urban & Infrastructure Engineering Department in 2008. He is member of various learned bodies including life member of IEP. Several funded projects, research supervisions, many research publications and authorships of book/chapter are on his credit. He has served as Member/Secretary of HEC National Curriculum Revision Committee. (Civil Engineering).

QEC Activities



SARs - QEC at NED University has done remarkable work in the development and evaluation of Self Assessment Reports (SARs) of its all undergraduate, graduate and Ph.D. programmes.

QEC in Affiliated Colleges/Institutions - A meeting with the Heads of affiliated colleges/institutions of NED University held by QEC in which director QEC explained the process of developing/establishing of QECs in affiliated colleges. He also highlighted the HEC directives for establishment of QECs in all eight affiliated colleges/institutions and SARs of programmes being offered there have been developed and assessed.

QEC Trainings - Total nine training programmes were conducted under the umbrella of QEC on various topics.

The main purpose of these trainings is to strengthen the skills of University employees in their respective areas and trained them for further prospects, which are as follows:

- ▶ Duties and Responsibilities of Invigilators and Examiners
- ▶ Importance of Feedback Analysis
- ▶ Lead Auditor ISO 9001:2015
- ▶ Secretarial Practices
- ▶ MS Office
- ▶ Strategic Formulation & Action Plan to Attain Higher Ranking (HEC IOT)
- ▶ Quality Assurance in Education
- ▶ Importance of University Industrial Linkages
- ▶ Development of Safety Plan for Labs

Automotive Engineering

- 2nd National Automotive Summit 2017 was organized by the Institute of Road Safety Traffic Environment Pakistan on 17th May 2017 at Mövenpick Hotel Karachi on “Mobility Development - Pakistan Standard-Safety - Environment”. The event was attended by Academia, Automotive Industry, Policy Makers and Traffic Police Officials of Sindh. The department of Automotive Engineering facilitated in organizing the event by providing students’ team worked

as volunteer in the event. Prof. Dr.-Ing. Syed Mushahid Hussain Hashmi, Chairperson, presented a paper on “Emerging trends in Automotive”.



Chemical Engineering

- A Seminar on “Safety, Supervision & Hazard Control” was arranged by the Department of Chemical Engineering on 10th May, 2017 in the lecture hall of Polymer & Petrochemical Engineering Department.
- Students' Society of Chemical Engineers (SCHEME) organized an event on Stress Management - Fixtress 2.0 on 23rd May, 2017 in the main auditorium of the University.

Environmental Engineering

Faculty Member(s) Participation in:

- Two days Regional Conference on Quality Assurance of Higher Education in Asia Pacific at Shenzhen, China from 13th June to 18th June, 2017.
- The Final Meeting of HEC National Curriculum Revision Committee for Environmental Engineering at HEC Regional Centre, Peshawar from 10th May to 12th May, 2017.
- The meeting of the Finance Committee of the Board of Intermediate and Secondary Education, Sukkur on 15th May, 2017.
- The "Final Meeting of HEC National Curriculum Revision Committee for Remote Sensing & Geographical Information System" at HEC Regional Centre, Lahore from 17th April to 19th April, 2017.
- Two-Days Certificate course on "Industrial Wastewater Treatment" was designed by one Faculty Member at Lecture Hall, CCEE - NED University from 4th April to 5th April, 2017.
- "Two-Days Training event" organized by the Higher Education Commission, at Mehran Hotel, Karachi from 3rd April to 4th April, 2017.

**Quality means
doing it right
when no one is
looking.**

-Henry Ford

- Training on "Pre Visit Preparation of IPE, MS/M.Phil & Ph.D. Program Review" organized by QAA-HEC on 12th May, 2017 and the Faculty Member was awarded the Certificate of Participation.

Approval of Proposal - Research proposal for HEC Start-up Research Grant Program titled "Ecotoxicological study of drinking water distribution system in Mega City of Karachi" has been approved by the Competent Authorities with a grant of Rs. 0.49 Million from the HEC.

- A study trip to Artistic Milliners Wastewater Treatment Plant, located at Landhi Industrial Area Karachi was arranged on April 1st, 2017.



ORIC

Office of Research Innovation and Commercialization (ORIC) Organized the following Activities/Events during the period of April to June, 2017 as follow:

- 10xc's CEO Saif Akhter Visits CINETIC.
- CINETIC SIP 2nd Batch Inauguration.
- Circle held an awareness session 8th march 2017 for Women Entrepreneurship.
- News Reporters from Express Newspaper, Samaa Tv, Aaj, Jaag, Express Tv had come to broadcast Cycle Yaari.
- French Delegation visited Maker Studio.
- NES Freelancer's Road map Workshop.
- NES Guest Speaker Session from Silicon Valley to NED University.
- Director ORIC Dr. Mehmood Hasan interviewed in Daily Basharat.
- IBT Visited ORIC-NEDUET.

- A Guest Speaker Session at IOBM.
- ORIC NEDUET's International Linkage Mission.
- A lecture On Entrepreneurial Marketing by Dr. Terry Jackson arranged in consultation with US Consulate.
- ORIC and CINETIC Establish Collaboration with Circle Women.
- Orientation Programme for Newly Established ORIC personnel at NUST Islamabad.
- SLACKATHON (slow cycle race) 2017.
- CINETIC's International Study Tour.
- Startup Summer Camp by DIYNED Arduino.
- BS NED - short course a Beginner's course to equipment maintenance.
- Inventions patented by NED's researchers.
- Digital marketing workshop by digital eggheads.

Metallurgical Engineering



- A MOU was signed between Agha Steel Industries-ASI, Karachi and Metallurgical Engineering Department of the University to establish an



Industry-Academia Relationship for development of Spectro Lab and during post academia facilitation for the students of the department.

Urban Engineering



- Fifth International Conference on Infrastructure Engineering in Developing Countries IEDC-2017, a two days program was jointly organized by Department of Urban and Infrastructure Engineering and Institute of Engineers Pakistan (IEP) on 14th to 15th July 2017. IEDC-2017 was aimed to highlight and discuss the problems of rapid urbanization in developing countries. IEDC-2017 had provided the platform for stakeholders, academicians, and share experiences to provide solutions for transportation and infrastructure researchers and profes-

sionals from transportation and urban infrastructure industries to participate management problems. This conference had also helped in sharing of ideas, transfer of technologies and development of linkages among various links.

Mr. Wasim Akhter (Mayor Karachi), Dr. Sarosh H. Lodi (VC NEDUET), Prof. Dr. S. F. A Rafeeqi (IEP Chairman) and Prof. Dr. Mir Shabbar Ali (Dean CEA) addressed the inaugural ceremony.

Civil Engineering



- Technical Committee Meeting for Earth-Moving Machinery Symbols for Operator Controls and other Displays - Part-1 & Part-2 "MTC-23" at Pakistan Standards & Quality Control Authority, Karachi, held on May 25th, 2017.
- Meeting of American Concrete Institute (ACI) at Doha, Qatar held on May 14th – May 17th, 2017.
- Second meeting of National Curriculum Review Committee (NCRC) was held at HEC Regional Centre Lahore on May 08 – May 10th, 2017.
- PIP Seminar on SNG Viability in Pakistan, IEP, Karachi held on April 20th, 2017.
- International Conference on "Advances in Sustainable Construction Materials & Civil Engineering Systems held at Sharjah, UAE, April 17th – April 21st, 2017.
- 4-Week Professional Certificate Program on "Certified Contract Management Professional (CCMP)", held on April 9th, 16th, 23rd & 30th, 2017.
- Half-Day Workshop on "Corporate Governance", IEP, Karachi, held on April 8th, 2017.
- Half-Day Workshop on "Fraud Investigation", IEP, Karachi, held on April 1st, 2017.

- Seminar on Project Management at Dawood University of Engineering & Technology (DUET), Karachi held on March 21st, 2017.
- 3-Week Hands-on Training Workshop on "Computer Aided Project Management with Primavera P6", held on March 17th, 18th, 24th, 25th, 31st & April 1st, 2017.
- 9th International Conference on "Construction in the 21st Century – Revolutionizing the Architecture Engineering & Construction Industry through Leadership Collaboration & Technology held at Dubai, UAE, on 5th and 12th March, 2017.



Engr. Abul Kalam Library



- Engr. Abul Kalam Library, in collaboration with Pakistan Library Association {Sindh Branch} arranged programme titled "World Book and Copyright Day" on Thursday, 27th

April, 2017 at Video Conference Hall, Petroleum Engineering Department. Respectable Deans, Chairpersons, Faculty Members, Library Officials, Dignitaries as well as the representatives of publishing business made the event a significant one.

Directorate of Industrial Liaison



- Two MoUs signed with 'Brothers Engineering Industries' on 8th March 2017 and 'Think Transportation' on 10th April 2017 respectively for the period of three years.



Twelve On-Campus Recruitment/Internship Drives arranged at the University for Fresh Graduates/Graduating Students and shared Job Placement Forms (CVs)/ Graduate Directories/ Posting of Job Flyers at the departmental website and Notice Boards, with around 122 industries.

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- Four Interview sessions of students regarding recruitment of graduates for industries, arranged.
- DIL issued around 50 Letters of Industrial Visit to students; 06 Letters of Final Year Projects on student's; and letters of Internship (Ramadan Break) for around 627 Internees on self-basis.
- DIL arranged Yamaha Riding/Test Drive for students in Spring Festival-2017 and also arranged a seminar.



Electrical Engineering



- Faculty of Electrical Engineering of the University and IEP Karachi Centre organized 2nd International Electrical Engineering Conference on 19th and 20th May, 2017. The two days event spread over an inaugural and technical sessions. The conference invited people locally and all around the world to share and discuss their valuable research papers on the "Innovation and advances in electrical engineering". It was peer-reviewed and the reviewer's committee included experts in the related fields from around the world.

The organizing committee comprised of two teams, one from IEP Karachi, including Prof. Dr. S.F.A Rafeeqi, Engr. M. Idris Khan, Engr. Sohail Bashir, Engr. Ayaz Mirza, and the other team from NEDUET, including Dr. Riaz Uddin, (Conference Chair IEEC 2017), Dr. M. Mohsin Aman (Co-Chair) along



with the advisory board members Prof. Dr. Saad A. Qazi and Dr. M. Ali Memon.

Dr. Sarosh H. Lodi (VC NEDUET) and Engr. Dr. Izhar Ul Haq (President IEP) was the honorable guests at the conference. There were keynote talks by Prof. Ted Johansson, Linkopings University (Sweden), Prof. Uvais Qidwai, Qatar University (Qatar) and Prof. Tahir Izhar, UET Lahore. The

IEEC 2017 received more than 65 full papers, in which 35 technical papers were accepted and presented by authors in the form of oral (25) and poster (10) presentations at the conference days.

- The IEEE PES NEDUET Chapter, in collaboration with K-Electric, initiated plantation scheme on 11th March, 2017 in which a peaceful campus walk was held under supervision of Chairman IEEE PES Karachi Section, Dr. Muhammad Ali Memon, Chairman along with Faculty Members and IEEE PES volunteers who accomplished the peaceful campus walk with plantation which contributed in instigation of spreading awareness about healthier and greener planet.
- The department organized a two-day workshop on Android App under the banner of SMART ENERGY-a three-fold smart energy project initiated by IEEE PES NEDUET Chapter comprising of more than 64 students on 17th-18th March, 2017. The workshop was held in collaboration with Step in IT Solutions-a start-up providing services in various areas subjected to app development.
- Impulse Newsletter was launched to commemorate the 10th anniversary of Impulse. The Chairman of the Department, Dr. Muhammad Ali Memon officially launched the newsletter. He lauded the participation of students in the Newsletter and assured full departmental support for similar future efforts.
- Dr. Umbrin Sultana, Assistant Professor received her Ph.D from the University Technology Malaysia in 2017, under the scheme "Strengthening of NED University of Engineering and Technology, Mega-M3" of the HEC.

CCEE



Following Professional Certificates Course were offered by the Centre for Continuing Engineering Education (CCEE):

- Three Days Certificate Course on Lean Six Sigma Tools for Excellence, held on February 27th to March 1st, 2017.
- One Day Certificate Course on Industrial Hygiene (IH), held on March 7th, 2017.
- Two Days Evening Certificate Course on Enhancing Warehouse Skills held on March 13th & 14th, 2017.
- Two Days Certificate Course on Industrial Wastewater

Treatment, held on April 4th & 5th, 2017.

- Two Days Certificate Course on Enhancing Logistics & Distribution Management, held on April 18th & 19th, 2017.
- Two Days Certificate Course on Lifting Equipment Inspection, held on May 11th and 12th, 2017.
- Two Days Certificate Course on Financial Management for Non-Financial Professionals, held on May 13th & 20th, 2017.
- One Day Certificate Course on Hazard & Operability (HAZOP) Study, held on May 19th, 2017.

Bio-Medical Engineering



- Dr. Nisar Ahmed Shar has resumed duty on 6th March 2017 as Assistant Professor. He received his PhD in

Bioinformatics from the University of Leeds, UK.

Computer Science & Software Engineering



Participation in Events:

- Agile Project Management with SCRUM March 18th to April 15th, 2017).
- Azure Workshop by Microsoft organized on 6th March 2017.
- Google Extended by Google organized on 18th March 2017.
- Big Data Opportunities & Challenges organized on 8th March, 2017.
- Sustainable Development Goals and AppIdea2R organized on 4th May 2017.
- FAST Developers Day 2017 held on 16th March 2017.
- 1st Position - Dockers Challenge - Anas, Waqar & Uzair (Final Year Software Engineering Students)

- 1st Position - Software Debugging Competition - Osama & Talha (Second Year Software Engineering Students)
- Shah Nehal Idrees, Second Year BS (CSIT), participated as a debate competitor in the ARY Shan-e-Ramzan All Pakistan Debate Competition televised in June 2017. He was the Grand Winner of the Final Round, winning Mehran VX car and also the title of "Best Debater of Pakistan". He also won 3 motorcycles in the initial four rounds.
- 2017 Study of the US Institute (SUSI) for Student Leaders Program. Amna Ejaz, Thrid Year BE (Software) competed for a place in the SUSI for Student Leaders Program organised nation-wide by the US Consulate General. She won a place as a Principal Candidate at the University of Massachusetts, Amherst.

Mechanical Engineering



- The Seventh International Mechanical Engineering Conference (SIMEC-2017) jointly organized by the Institution of Engineers Pakistan, Karachi Centre and NED University, in collaboration with Federation of Engineering Institutions of Islamic Countries (FEIIC), and Federation of Engineering Institution of South & Central Asia (FEISCA) on 24th and 25th March 2017 at IEP Convention Centre. Engr. Syed Wamiq Bokhari, Chief Executive Officer, Pakistan Petroleum Limited, was the Chief Guest at the Inaugural Session. Theme of the Conference was "Recent Developments in Energy, Design and Alternate Fuels".



- ASHRAE NED Student Chapter organized an Informational Technical Seminar jointly with Pakistan Engineering Council on Natural Ventilation: Concept and Design. Dr. Zhiqiang (John) Zhai, Professor in the Department of Civil, Environmental and Architectural Engineering (CEAE) at the

University of Colorado at Boulder (UCB) was the distinguished guest of the seminar. In his lecture he simply and effectively explained the concept of Natural Ventilation and how to design buildings in such a manner so as to ensure maximum natural ventilation. He elaborated on the various concepts with visual and pictorial depictions.

After questions session with Dr. John Zhai, he was awarded with a token of appreciation by Mr. Umer Khan and



Team ASHRAE NED gifted him 'AJRAK' a symbol of Sindhi Culture as a show of hospitality. More than 400 students attended

the event including visiting students and faculty from ASHRAE QUEST Student Branch, Larkana.

Textile Engineering



- Dr. Muhammad Dawood Husain, Assistant Professor presented the paper in ATCC conference in USA in March 2017.

- Dr. Muhammad Amir Qureshi, Assistant Professor joined the department in June 2017.

Controller Students Affairs



- SENTEC (Minute to Win It) was held on 2nd March 2017 at NED Auditorium.



Parliament. The Guests of the Programme was Mr. Faiz Ullah Khorajo (SSP City, NED Alu-

- Recording of TV Show "Karachi Ki Baat" held on 8th March 2017 at NED Auditorium by SENTEC in further collaboration with AJJ News & Youth



- Mr. Mahmood Sham (Senior Journalist), Brig. Haris Nawaz (Defence Analyst), Dr. Fatima Hassan (Poet/Sr. Writer), Mr. Sohail Wajahit (former Chairman PSO).

- Plant a Tree for a Greener Pakistan was conducted at NED Premises by Green Society in Collaboration with K-Electric.

- Green Building was conducted on 16th May 2017 at Video Conference Hall of Civil Engineering Department by Green



- Orientation Ceremony of Debating Society was held on 26th May 2017.
- Perception of Violent Extremism in Karachi (Student Survey)

was conducted on 3rd March 2017 at CSA Office by Society for International Education.

- Blood Donation Camp Conducted by Fatimid Foundation on

7th & 8th March 2017.

- Educational Visit in NED by American College Students was arranged in various teaching departments.
- PTV Programmes "Tabeer Say Tameer Tak" and "Pakistan Day" were held at NED Premises by the PTV in which students of NED University participated.
- 1st Pakistan Marine Academy Bilingual Declamation Contest on Eve of Pakistan Day 2017 was held at Marine Academy by Pakistan Marine Academy Karachi in which students of NED University participated.
- 2nd Shaheed Mohtarma Benazir Bhutto All Sindh Tri-Lingual Declamation Contest 2017 was held on 22nd April 2017 at Shaheed Mohtarma Benazir Bhutto, Medical University, Larkana in which students of NED University participated.
- 2nd Round of 19th All Pakistan Inter University Declamation Contest for Award of Allama Iqbal Shield was held on 26th April 2017 at Dawood University of Engineering & Technology Karachi by HEC in which students of NED University participated.
- All Karachi Inter-University Naat Competition 2017 was held on 10th May 2017 at Mohammad Ali Jinnah University, Karachi in which students of NED University participated.
- Human Right Education & Sensitization was held on 18th May 2017 at Video Conference Hall of Civil Engineering Department by Ministry of Human Rights, Government of Pakistan.
- Ego & Envy theater play was held on 26th May 2017 at NED Auditorium by NED Photography Society.
- Private funded donors have been inducted with the number of 36 scholarships to deserving students.
- Inter Varsity Badminton (Boys) Zone-G 2016-17 was held on 8th to 10th March 2017 at NED Boys Gymnasium by Dawood Engineering University & Technology Karachi.
- Inter Departmental Games 2K17 - Football (Boys), Chess (Boys), Volley Ball (Boys), Basketball (Boys), Throw Ball (Girls) Badminton (Girls)" organized at Main Campus.



Resident Audit



- Ag. RA attended two days training on 'Audit & Financial Management Skills' organized by HEC on 27th to 28th April,

2017 at the HEC Regional Centre, Karachi.

Medical Department



- Awareness session on "Hygiene" was conducted on 7th March 2017, at the Student Affairs Department.

- Heat Stroke awareness session was conducted on 25th May 2017 at the main University Auditorium.