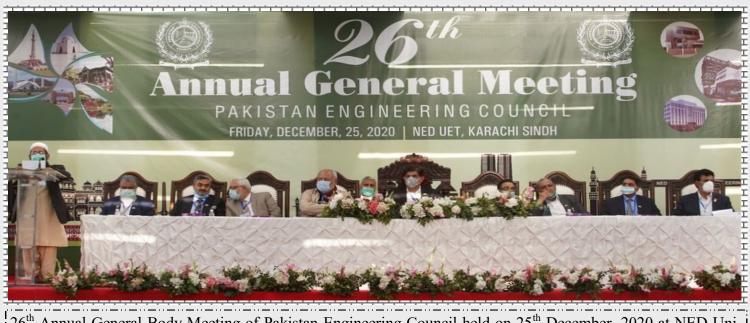


Quarterly Newsletter

Vol: 9 (03) Oct-Dec' 2020



26th Annual General Meeting of Pakistan Engineering Council at NED UET



26th Annual General Body Meeting of Pakistan Engineering Council held on 25th December, 2020 at NED University of Engineering & Technology. Chief Minister of Sindh, Syed Murad Ali Shah congratulated PEC on successful conduct of Annual General Body Meeting 2020 during this testing time of pandemic COVID-19 outbreak. He said that "Pakistan Engineering Council (PEC) has become a vibrant professional body in Pakistan to regulate engineering profession, including engineering education in-line with international standards and best practices, towards professional development and achieving excellence in the profession". He further added that he graduated from NED University in 1986. "Being a part of the most prestigious, professional and prudent community of the country, I assure all my efforts for the betterment of the engineering profession".

Inauguration of Urban Forest at Aga Khan school

Pakistan ranked among the top countries affected by climate-induced disasters and the city of Karachi has recently seen spells of extreme summer temperatures that have caused many lives and added to the distress of the citizens. To meet this challenge, an urban forest at the Sultan Mahomed Shah Aga Khan School in Karimabad, Karachi was inaugurated by the Vice Chancellor of NED University of Engineering and Technology. The forest has been planted with the technical expertise of the NED University.

The forest, which covers an area of 48 square metres, contains 154 trees of 14 different species planted in close proximity. While inaugurating the urban forest by planting a tree at the site of the forest, the



Vice Chancellor of NED University of Engineering & Technology, Prof. Dr. Sarosh Hashmat Lodi, said that "NED University and its resources are available to anyone who wishes to benefit from them and use them to benefit others. I am always inspired by young bright minds and I see a lot of hope for the future".

Next

NED University has successfully recertified the QMS Standards to ISO 9001:2015 by Lloyd's Register Quality Assurance (LRQA)

The Certificate Renewal Audit of the NED University of Engineering & Technology was i conducted by the team of External Auditors from the Lloyd's Register Quality Assurance (LROA) on 23-27 November, 2020. The team comprised of senior Lead Assessors of LRQA, Mr. Raheel and Ehsan Mr. Inkesar Hussain, who were accompanied and assisted by the QEC during the audit. The audit of 38 teaching and non-teaching departments was carried out according to schedule prepared with consent of the external auditors.

After successful completion of i external audit, the NED University of Engineering & Technology has been awarded! the Certification of Approval ISO 9001:2015 Standards for another period of three years with effect from 29th December, ¹2020 to 30th November, 2023.



Department of Metallurgical Engineering

"Excellence is the unlimited ability to improve the quality of what you have to offer."

...Rick Pitino



funding of worth 0.85 million rupees by NED University on 22nd December, 2020.

sor has won an international research grant "Fundamental grant research (FRGS) scheme Malaysia-worth 35300 USD", as an international member on 17th November, 2020.

Next



NEWS

Previous

Department of Humanities

Ms. Javeria Shakeel, a graduate of BS English Linguistics recently won an award of 7,000 USD by Eurasian Regional Center



of ICYF at the 6th Kazan OIC Youth Entrepreneurship Forum for her entrepreneurial startup, ENENT - a project aimed at reducing the electricity loss by 20%. The startup was shortlisted from 200 startups at the first stage and competed against 32 startups for the award.

Prof. Dr. Sajida Zaki, Chairperson was invited to the School of Army Air Defence, Malir Cantt. for a Guest Lecture on Research Methodology on 9th November, 2020. Her lecture was attended by the course participants and faculty and was presided over by the Commandant, SAAD who presented a souvenir to the speaker. Dr. Sajida Zaki has been a regular speaker at the prestigious school for the last many years.

An orientation programme was arranged for the 1st year students (Batch 2020-21) of BS English Linguistics on 27th October, 2020. The session was conducted by the

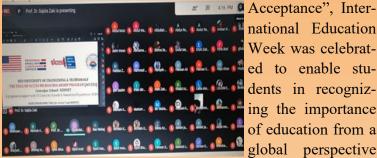


FS Class Advisor Ms. Sidra Awan in collaboration with TS Class Advisor. Ms. Mehwish Arif. While an online orientation session

was conducted for MS Applied Linguistics programme (Batch 2020-21) by Prof. Dr. Sajida Zaki, Chairperson on 16th November, 2020. Students were acquainted to the research intensive programme along with the academic and administrative system at the department and university.

Prof. Dr. Sajida Zaki participated in a Panel Discussion on the theme: Linguistics Education and Research in Pakistan at the 6th International Conference of the Linguistic Association of Pakistan-ICLAP 2020. She is also a member on the advisory committee of LAP and the Conference Convenor of 3rd ICLAP 2017 which was organized at NED University.

English Access Microscholarship Program (2019-21), funded by RELO-US Consulate and being implemented at Cowasjee School by the department, completed its 5th Quarter through SHAPE programme. In this online phase also variety of events were arranged including - International Day of the Girl Child observed on 11th October, World Teacher's Day on 5th October, Access students celebrated Halloween Day on 31st October. The guest speaker shared his childhood memories of wearing costumes and going in the neigbourhood for candies and treat. International day of Tolerance was observed on 13th November through a session on "Inclusion, Diversity and



Acceptance", Interof education from a

and the impact of teachers in English language teaching, Sindh Culture Day celebrated with students celebrating and presenting aspects of Sindhi. Besides these events, students completed 145 hours of Shape classes and 20 hours of Intensive Session. These classes also featured theme-based lessons each day around English language and communication skills, Mobile and Computer mediated language learning, Global Citizenship education, and the US culture and featured Access Alumni and E-teacher Alumni talks and guest speaker sessions.

Ms. Mehwish Arif, Lecturer has won the Online Course scholarship: "Using Educational Technology in Language Classrooms" offered by IOWA University in Winter 2021. This course is provided by Iowa State University,

as part of the Online Professional English Network (OPEN). This program is sponsored by the U.S. Department of State with funding



provided by the U.S. government and administered by FHI 360. The course is structured in 8 modules.

Тор



Prof. Dr. Sajida Zaki, Chairperson was invited to a panel discussion on the theme: Confluence of Different modes of education

held under the International Symposium on Embracing the Transformation and Change: A New Normal organized by Iqra University on 5-6 Oct, 2020. Dr. Sajida Zaki highlighted that considering the variety of academic disciplines, flexibility is desirable while teachers, students and management approach different options related with hybrid and blended learning-the new normal- to consciously and effectively achieve educational goals.

Two Proposal Defense activities were arranged by the department for the students. Final Year Projects proposal defense was organized by Ms. Almas Ashraf, BS Class Advisor & FYP Coordinator, on 13th Nov, 2020. Whereas, thesis proposal

defense was organized by Prof. Dr. Sajida Zaki on 18th Nov, 2020. The students defended their projects/research



before a panel of faculty members as examiners.

Ms. Almas Ashraf, Assistant Professor was invited as a Guest Speaker by Department of Humanities and Social Science Department, Bahria University for an online session on



'Comprehending & Analyzing the Construct of Qualitative Research' on 29th October 2020. The session was arranged for BS English students and the faculty of Bahria University.

Prof. Dr. Sajida Zaki, Chairperson conducted online viva voce examination on 10th October, 2020 of M Phil English candidate of Sardar Bahadur Khan Women University, Quetta who defended her thesis: "Exploring Dialogues and Attributes in South Asian Movies: A Re-Orientalist Approach".

An online training on 'Digital Resources' was arranged by Prof. Dr. Sajida Zaki for MSAL students on 17th December 2020. Ms. Naveen Ali, Senior IT Manager, Engr. Abul Kalam Library, was invited as a resource person to share information about subscribed digital resource, summon – a search engine service, RefWorks for resource management, and remote ac-

cess to the digital resources. The students found the training session very informative and useful for their research activities during the ongoing pandemic and closure of universities/ libraries.

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Registrar Office



Following new Ph.D. faculty members have joined the various departments of the University.

- Dr. Rabela Junejo has joined as Assistant Professor in the Department of Architecture & Planning. She has pursued PhD from Middle East Technical University, Turkey.
- Dr. Musarrat Adnan has joined as Assistant Professor in the Department of Economics & Management Sciences and pursued PhD from University of Karachi.

Following faculty members have completed their Ph.D. degree from NED University of Engineering & Technology.

- Dr. Hira Ashfaq Lodhi, Assistant Professor in the Department of Physics has specialized in Mathematics.
- Dr. Fawwad Masood, Assistant Professor in the Department of Civil Engineering has specialized in Civil Engineering.
- Dr. Syed Aqeel Haider, Lecturer in the Department of Computer & Information Systems Engg has specialized in Electronic Engineering.
- Dr. Urooj Ainuddin, Assistant Professor in the Department of Computer & Information Systems Engg. has specialized in Comp. & Info. System Engg.
- Dr. Muhammad Faraz Hyder, Assistant Professor in the Department of Software Engineering has specialized in Computer & Information System Engg.
- Dr. Ubaida Fatima, Cooperative Lecturer in the Department of Mathematics has specialized in Mathematics.

Next

Department of Mechanical Engineering

NED-DICE Energy Innovation Center successfully completed following funded industrial projects under Research Assistantship Program in the month of October, 2020.

- Part Detailing of EV Three wheeler on Solid Modelling along with FES, funded by Gresham's Eastern Pvt. Ltd and supervised by Dr.-Ing. Usman Allauddin.
- The CFD/FES Analysis of the Revomax Reverse Flue Boilers, funded by Gresham's Eastern Pvt. Ltd. and supervised by Dr.-Ing. Usman Allauddin, Engr. Ahsan Ahmed.
- To conserve Energy & water at Thal Engineering, funded by Thal Engineering Pvt. Ltd. and supervised by Dr.-Ing. Usman Allauddin.
- To conserve Energy & water at Thal Engineering, funded by Thal Engineering Pvt. Ltd. and supervised by Dr.-Ing. Usman Allauddin.



The insightful webinar on Engineering and Management organized on 22nd November, 2020 by IMechE focused on the topic of management side

of an industry as an engineer and a Q/A session was held in which our speaker, Mr. Nabeegh Toor, discussed the importance of communication and networking skills.

Following funded projects successful completed in supervision of Dr.-Ing Usman Allauddin, Assistant Professor in the month of October, 2020.

- Numerical Study to Investigate Heat and Fluid Flow Characteristics of a Roughened Solar Air Heater, funded by IGNITE.
- Part Detailing of EV three wheeler on Solid Modelling along with FES, funded by IGNITE and Gresham's Eastern Pvt. Ltd.
- The CFD/FES Analysis of the Revomax Reverse Flue Boilers, funded by Gresham's Eastern Pvt. Ltd. Also supervised by Engr. Ahsan Ahmed.
- To conserve Energy & water at Thal Engineering (Funded by Thal Engineering Pvt. Ltd.
- Energy storage system for Electric vehicles, funded by Thal Engineering Pvt. Ltd.

JCR Journal Research Publication by Dr.-Ing Usman Allauddin, Assistant Professor in the month of October, 2020.

- U. Allauddin, S.R.R. Lomada, M. Pfitzner, "Investigation of pressure and the Lewis number effects in the context of flame surface density closure for LES of premixed turbulent combustion", Theoretical and Computational Fluid Dynamics, 2020.
- U. Allauddin et al., Influence of Transpiration on Heat Transfer and Entropy Generation in a Dissipative Nanofluid Flow with Magnetic Dissipation: An Exact Approach, accepted for publication in Journal of Energies, vol. 13(20), pp. 5506, 2020.
- U. Allauddin et al. "Nanoscale heat transfer investigation of an array of jets impingement with different working fluids under crossflow with and without pin-fins", Journal of Heat Transfer, vol. 50(1), 81-104, 2020.



Due to Covid-19, IMechE NED Student Chapter organized an interactive Virtual Orientation

Ceremony on 14th November, 2020. The Virtual Session included a panel discussion with the preceding IMechE's Executive Committee and the Mentors, where they shared about their experience in IMechE. The virtual event was wrapped up with question and answer session.

The Induction Ceremony took place virtually on 28th November, 2020 in which a brief introduction of society was given, and every new member was introduced to the functioning of IMechE. It was an interactive session and served as an icebreaker for newcomers.

Dr. Muhammad Uzair, Assistant Professor got funding of USD 5000 for his project on "Geothermal Airconditioning" from ASHRAE International USA in the month of October, 2020.

Top

QEC Newsletter (Oct-Dec,20)



ASHRAE NED Student Branch organized a Virtual Orientation session for the tenure 20-21 on a social platform, Facebook, by keeping in idea of mass communication considering the pandemic situation. The vision of the fresh

governing body was brought to light and their ideas of bridging the gap between the academic and co-curricular under the pandemic situation was discussed. Faculty members were also the part of the orientation, which helped to understand the academic role of ASHRAE in NED. It created a sense of optimism among the students. The endeavor for pulling off such a remarkable session in pandemic showed the dedication and enthusiasm of the Student Body. Session was held on 22^{nd} November, 2020.

Speak Out for Engineering 2020 (SOfE) was a technical presentation competition organized on 19th December, 2020 by IMechE in which participants submitted the recorded videos on any engineering idea and a Q/A session was held in which judges asked some technical questions about presented topics.

Mr. Ahsan Ahmed, Lecturer published his article "Performance Evaluation of Hybrid PVT air collector: A Comparative Study", as a co-author in International Journal of GMSARN on 8th Dec, 2020.

Office of Research, Innovation and Commercialization

Dr. Riaz Uddin, Assistant Professor in the Department of Electrical Engineering has taken the charge of Director of Office of Research, Innovation and Commercialization (ORIC) on 1st December, 2020. Dr. Riaz Uddin pursued his PhD in Mechatronics Engineering from Gwangju Institute of Science & Technology (GIST), South Korea. Prior to his new assignment, he has served at various positions including the Deputy Director of Quality Enhancement Cell and also holding the charge of Principal Investigator (PI) / Lab Director of Haptics, Human-Robotics and Condition Monitoring Laboratory. Coronavirus disease (COVID-19) outbreak has created a global health crisis. To meet this challenge, Dr.



NEWS

Riaz Uddin, Principal Investigator/ Director, Haptics, Human Robotics and Condition Monitoring Laboratory along with his team has taken a significant step towards making Pakistan self-reliant in production of medical equipment and developed "NED Ventilator", which got coverage from local and international media channels and newspapers. This product is provisionally accepted by PEC for Industrial grade production.

Department of Civil Engineering





Dr. Syeda Saria Bukhary, Assistant Professor, invited as speaker for "Water Energy Carbon Nexus" at the event "Climazone 1.0" (Climate Change conference-workshop), organized by National Dialogue of Climate Change NDCC on 7-8 November, 2020 at National Incubation Centre (NIC), NED University.

Department of Industrial & Manufacturing Engineering



NED Racers under the supervision of Dr. Aqeel Ahmed, Assistant Professor secured third position in an online cost event "Formula SAE-A 2020" held in Australia on 12-13 December, 2020.

Previous

Department of Economics & Management Sciences

Orientation session of FYP-2020-21 is organized by the department on 6th November, 2020. The Chairperson and faculty members of the department discussed the topics and guidelines with the students of BS-Economics and Finance and BS-Management Sciences.



Mr. Farhan Ahmed, Lecturer was invited by Shell Tameer, Pakistan and Business Incubation Centre – ORIC to give a talk on "Financial Management for Startups" on 20th November, 2020. The session following



Q&A on 'Budgeting, CVP Analysis, Cost Classification' was attended by NED graduates, students, faculty members, and representatives of Shell Tameer, Pakistan and National Incubation Centre.

Mr. Farhan Ahmed, Lecturer has been invited to join the editorial board of a biannual journal, ETIKONOMI (Master Journal List Indexed Journal) as Associate Editor on 2nd November, 2020. The journal is published by UIN Siyarif Hoidayatullah University, Indonesia.

Mr. Muhammad Naeem and Mr. Farhan Ahmed, Lecturers attended 5th Qualitative Accounting Research Symposium 2020 on 26-27 November, 2020. The conference was organized by Department of Management, Gordon S. Lang School of Business and Economics, University of Guelph, York University, Canada and the Canadian Academic Accounting Association.

Mr. Farhan Ahmed, Lecturer was invited to edit a special issue of Estudios de Economia Aplicada (Master Journal List & SCOPUS Indexed Journal) published by Universidad de Almeria, Spain. The special issue (Vol 39 Issue 1) on "Globalization of Trade and Its Impact on Economy" has been successfully edited and published on time.

Mr. Farhan Ahmed, Lecturer was invited to participate in International Conference on Contemporary Issues in Accounting 2020. The conference was organized by Kuwait Accountants and Auditors Association and well Few students of the departments are registered in CFA Institute Research Challenge 2020-21 in October, 2020 under the supervision of the Mentor, Mr. Saad Khan,

Head of Research IGI Securities and Faculty Advisor, Mr. Mirza Faizan Ahmed. The students have attended various online workshops and training sessions.



Dr. Muhammad Shahid Iqbal, Assistant Professor has participated in 4th International Conference on Islamic Banking & Finance held on 4-5 November, 2020 organized by IoBM, Karachi. The eminent International Speakers, Industry Leaders, Shariah Advisers and Academicians discussed on the Impact of Covid-19 on Micro, Small & Medium Enterprises and Way forward for Financial Institutions.



Mr. Farhan Ahmed, Lecturer was invited to conduct a Guest Speaker Session for Faculty and MS students on 3rd November, 2020 at Muham-

mad Ali Jinnah University, Karachi. His title of talk was "Corporate Governance & Review on SECP's Updated Code of Governance, Companies Ordinance 2017".

Mr. Muhammad Naeem, Lecturer has successfully completed the Six-months Online Specialization Course From July to December on Financial Management from University of Illinois at Urbana - Champaign USA. The courses covered include: Financial Accounting Foundation, Financial Accounting Advanced Topic, Fundamentals of Performance Evaluation, and Application for Investors, Measuring and Promoting the Value Creation, financing Investment and Managing Risk and Financial management Industry Capstone.

attended by 500+ keynote speakers, CFOs, CEOs, CFAs, CAs, ACCA & ICAEW members, Academicians and PhD Scholars from Asia, Africa and Middle East.

Тор

Department of Architecture & Planning

4th International Conference on Urban & Regional Planning (CURP2020) has been carried out as webinar on 18-19 December 2020. This time the theme of the Conference was 'Retaining City Histories – An approach to integrated Planning', This conference has been able to successfully stimulate an intellectual discourse on the city histories, which would be helpful in elaborating on the importance of integrated planning for retaining city histories and its opportunities, challenges and threats. This event was graced by Prof. Sajjida Haider Vandal, Vice-Chancellor Institute for Art and Culture, (IAC) Lahore as keynote speaker. A sizable number of eminent researchers and practitioners in versatile fields of work participated in two days discourse.



Engr. Abul Kalam Library



The Library contributed in Online Pre-Admission Entry tests of Dawood University of Engineering and Technology, and Usman Institute of Technology. Entry tests were conducted on 3-4 October, 2020 and 10th October, 2020 respectively at Digital Library Section of the Library.

The Library developed an assignment to create awareness about digital resources among final year students. Awareness sessions were conducted for 19 disciplines of the Universi-



ty guiding students to attempt the assignments which include searching for relevant digital resources using Summon Discover Service, citing the material and developing bibliographies.

The Library has formally resumed sale of zero activity of books to students and faculty members of the University from Circulation and Book Bank of the Library. These obsolete books are listed on the library website and sale at nominal prices.

The library transferred a large number of books and journals to various teaching departments of the University. These books and journals were donated by Mr. Ajmal Ansari from USA. Additionally, books related to children library were handed over to the Cowasjee School.

The Library in facilitating its users started providing link of Table of Contents (ToCs) of new books added to library collections. Users now can view the ToCs of new books available on the Library OPAC.

Medical Department





During the pandemic COVID 19, NED University of Engineering & Technology has organized screening of COVID 19 for students and employees of this University in collaboration with District Heath Office (East). COVID-19 PCR tests were conducted free of cost for students and employees in the department on various days in the months of October, November and December, 2020.

Next

Previous

Department of Student Affairs



An online session was held on 25th November ,2020 in which one declamation on "Corruption Free Society -A Progressive Society" and two competitions - Essay Writing Competition on "Our Mission - Corruption Free Pakistan" and Poster

Competition on "Fight Corruption for Better Future" were conducted by NED Debating Society & Character Building Society in collaboration with the department.

The laptop distribution ceremony was held on 17th November, 2020 by NED Scholar in collaboration with department.



The Anti-Corruption Week was held from 7-12 December, 2020 at NED Premises by Character Building Society under Higher Education Commission & National Accountability Bureau and in collaboration with department.

The online programme of Youm e Hussain (RA) was held on 22nd October, 2020 at Video Conference Hall by Students of NED University in collaboration with Department. The programme CODE Pakistan Certificate Distribution Ceremony was held on 16th November, 2020 by CODE Pakistan in collaboration with the department.





The online Virtual University Fair was held on 19th November 2020 by The City School in which NED University participated.

The students of NED University participated in Interuniversity Elocution Competition on 9th November, 2020, which was conducted by Pakistan Women's Foundation for Peace.



A seminar on "Drugs and its Effects on Society" was held online on 19th December, 2020 by The NEDians Forum Society in collaboration with department.

Directorate of Industrial Liaison



Directorate of industrial Liaison has arranged a on campus recruitment drive for Lotte Chemical Pakistan Limited and other



Online Recruitment drive from 10Pearls to facilitate fresh graduates and graduating students, in this Covid-19 pandemic.

- One hundred and ten Industries were facilitated for the job placement activities and also shared job placement forms, CVs, Graduate Directories and posting of Job Flyers at departmental website and departmental noticeboards.
- A total of 1121 students were facilitated for internship opportunities in various organizations.
- Four industrial and study visits were arranged for various group of students in K- Electric, Artistic Fabrics Mills and Sui Southern Gas.
- Sixty final year project topics were shared with the departments and also provided technical and practical support from the industries related to the projects.

Next

Department of Urban & Infrastructure Engineering

NEWS

Worthy Vice Chancellor, Prof. Dr. Sarosh H. Lodi received a research grant of Rs. 27 Million, from a funding project "Development of Geo Database Existing of Karachi". This project was sponsored by Government of Sindh and carried out by Prof. S.H. Lodi, Principal Investigator, Prof. Dr. Adnan Qadir, Co. Principal Investigator and Prof. Imran Ahmed and research team was comprised of Fahad Abdullah Shoaib Ahmed. Project was completed within three months duration i.e October-February, 2021. During this project, alignment survey was conducted of major Nallas of Karachi with GIs Mapping Using GNSS Technology. Cross section survey and visual survey were also conducted along with quantification structures along the right of way of nallas. Engineering solution to improve flow of water with infrastructure improvement and measures to minimize dumping of solid waste in Nallas were also suggested.

Prof. Dr. Adnan, Chairman and Principal Investigator completed a funding project "Application of Polymer Modified Asphalt for Control of Asphalt Pavement's rutting in Pakistan" was completed within duration of six month. Research grant for this project worth Rs. 5,25,000/- and it was sponsored by Pak Hy-Oils limited. This research has investigated the use of Polymer Modified Asphalt (PMA) in asphalt concrete of pavement. Marshall Mix Design was used to determine the Optimum Asphalt Content (OAC) of Hot Mix Asphalt (HMA) incorporating PMA. The OAC was determined for both control (samples without PMA) and modified (samples containing PMA). Rutting susceptibility tests were carried out on both control and modified samples over three test temperatures i.e. 50°C, 55°C and 60°C. Reduction in rut depth was observed by inclusion of PMA at high temperature. The PMA were found to increase the rut resistance of asphalt concrete by increasing the resilient modulus of HMA. Life Cycle Cost Analysis was performed to determine the financial feasibility of using PMA in asphalt concrete which led to the conclusion that use of PMA is financially feasible.

Publications by Dr. Sadaqat Ullah khan, Associate Professor has following publications in the reputed Journals:

- Sadaqat Ullah Khan and Tehmina Ayub; "Flexure and shear behaviour of self-compacting reinforced concrete beams with polyethylene terephthalate fibres and strips ", In Structures, vol. 25, pp. 200-211. Elsevier, 2020. IF=1.646.
- Sadaqat Ullah Khan, Tehmina Ayub and Nasir Shafiq; "Physical and Mechanical Properties of Concrete with Locally Produced Metakaolin and Micro-silica as Supplementary Cementitious Material." Iranian Journal of Science and Technology, Transactions of Civil Engineering (2020): 1-9. IF=0.8.
- Tehmina Ayub, Sadaqat Ullah Khan "Flexural Investigation of a/d Ratio for High Strength PVA-FRC Beams Based on Experimental and Finite Element Analysis" accepted in Iranian Journal of Science and Technology, Transactions of Civil Engineering (2020). IF=0.8
- Sadaqat Ullah Khan, Afzal Ahmed, Sajjad Ali, Ayesha Ayub, Ahmed Shuja and Muhammad Ahsan Shahid "Use of Scrapped Rubber Tires for Sustainable Construction of Manhole Covers" Journal of Renewable Materials (2020). IF=1.34.
- Tehmina Ayub, Sadaqat Ullah Khan and Wajeeha Mahmood "Mechanical properties of Self-Compacting Rubberized Concrete (scrc) containing Polyethylene Terephthalate (pet) Fibres" accepted in Iranian Journal of Science and Technology, Transactions of Civil Engineering (2020). IF=0.8.

Publications by Dr. Afzal Ahmed, Assistant Professor has following publications in the reputed Journals:

- SU Khan, A Ahmed, S Ali, A Ayub, S Ahmed, MA Shahid (2020). Use of Scrapped Rubber Tires for Sustainable Construction of Manhole Covers. Journal of Renewable Materials DOI: 10.32604/jrm.2021.014344
- Ahmed, A., Zaidi, S.O.R., Ali, M. S. (2020). Modelling Behaviour of Shuttle Service Users and Preference towards a Proposed Bus Rapid. European Transport. Issue 79, Paper n° 6.
- Ahmed, A., Outay, F., Zaidi, S. O. R., Adnan, M., & Ngoduy, D. (2020). Examining queue-jumping phenomenon in heterogeneous traffic stream at signalized intersection using UAV-based data. Personal and Ubiquitous Computing, 1-16. https://doi.org/10.1007/s00779-020-01434-y
- Noman, S. M., Ahmed, A., & Ali, M. S. (2020). Comparative analysis of public transport modes available in Karachi, Pakistan. SN Applied Sciences, 2, 1-13.
- Ahmed, A., Ali, M. S., Ansari, T., & Mansoor, U. (2020). Modelling Heterogeneous and Undisciplined Traffic Flow using Cell Transmission Model. Journal of Traffic and Transportation Management, 1(1), 01-05. https:// doi.org/10.5383/JTTM.01.01.001
- Abbas, M., Ahmed, A, Ali, M. S., Ngoduy, D., (2020) "Modelling the Effect of Length of Weaving Sections on Traffic Conditions at Unconventional U-Turns" Presented at the 99th Annual Meeting of Transportation Research Board, 12-16 January 2020. Washington DC, USA.

Тор

Previous

QEC Newsletter (Oct-Dec,20)

Department of Environmental Engineering

NEWS

Dr. Atif Mustafa, Chairman and Dr. Mehmood Ali, Associate Professor participated in a 'Webinar on Sustainable Aviation Fuel to Mark 37th Anniversary of Pakistan Civil Aviation Authority. Dr. Mehmood Ali delivered a presentation on 'Research & Development in Bio-Fuels - Prospects &



Department organized an orientation session for freshly admitted students in the Masters of Engineering (M. Engg.) and Masters of Engineering Management (MEM) Programme Session 2020-2021, offered in Evening and Weekend. The orientation was conducted by Dr. Sadia Khan and joined by all faculty members and students. It was organized virtually on 19th December, 2020.

Challenges'. The event was held on 7th December, 2020.

Department of Computer & Information Systems Engineering

A collaborative discussion held between Dr. Ali Ismail, Chairman and Dr. Tahir Shamsi on 28th December, 2020, regarding diagnosis and management of patients suffering from blood disorders at National Institute of Blood Disease & Bone Marrow Transplantation, Karachi.



The team NCBC-NEDUET observed "Great Conjunction of Jupiter-Saturn" on 21st December, 2020, when the duo came very close to each other in the western skies after



800 years as viewed from Earth after sunset in an event called "great conjunction".

Department of Polymer & Petrochemical Engineering

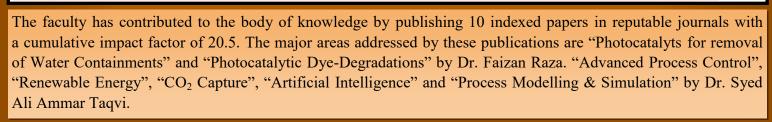


NEWS

A seminar on Technology advancement in Injection molding was conducted on 16th November, 2020 by Engr. Rameez Nasir, Manager Production at Electro Polymer. He briefed in detail about the injection molding process, its application and recent developments. Seminar was attended by the students of the department.



Department of Chemical Engineering



Department of Textile Engineering



Dr. Dawood Hussain, Associate Professor was invited as speaker at GARA International e-conference on "Enriching e-learning management for Global Education: New Norm viewpoint" held on 19-20 December, 2020. The topic of his speech was "Engineering Education in times of Covid".

Five research papers are published by the faculty members of the department in various international research journals.

Centre for Continuing Engineering Educations



The department offered following short courses, certificate courses and Diploma Programmes:

- One year's Undergraduate Diploma Programme in "Applied Data Science with Machine Learning – Batch 4" started from 3rd October, 2020.
- A six week's Nano-diploma programme in "Business Laws & Taxation for SME, Builders and Developers – Batch 2" was conducted on 3rd October to 21st December, 2020.
- Four months' Certification Course on "Certified Supply Chain Professional – Batch 5" started from 10th October, 2020.
- One year's Postgraduate Diploma Programme in "Project Management – Batch 2" was conducted on 19th October to 26th December, 2020.
- Three days' Short Course on "Maintenance Management & Operational Excellence – 4" was conducted on 20-21 October, 2020.
- One year's Postgraduate Diploma Programme in "Cyber Security – Batch 2" was conducted on 20th October, 2020 to 2nd January, 2021.
- One year's Postgraduate Diploma Programme in "Supply Chain Management – Batch 1 & 2" was conducted.
- One year's Postgraduate Diploma Programme in "Business Management – Batch 1 & 2" was conducted on 21st October to 26th December, 2020.
- One year's Postgraduate Diploma Programme in "Procurement, Contracts & Law" was conducted.
- One year's Postgraduate Diploma Programme in "Textile Management" was conducted on 21st October to 27th December, 2020.
- One year's Postgraduate Diploma Programme in "Project Management – Batch 1" was conducted.

- One year's Postgraduate Diploma in "Cyber Security – Batch 1" was conducted on 21st October to 27th December, 2020.
- One year's Postgraduate Diploma Programme in "Occupational Health & Safety – Batch 1 & 2" was conducted.
- Ten days' In-House / Corporate Training in "Basic Electrical Training for Beginners – Batch 2" was conducted on 26th October to 9th November, 2020.
- Three day's Short Course on "Industrial Energy Management – Batch 2" was conducted on 27-28 October, 2020.
- One year's Postgraduate Diploma Programme in "Construction Management – Batch 1 & 2" started from 28th October, 2020.
- Six months' Nano-diploma programme in "Digital Marketing started from 31st October, 2020.
- Six months' course on "CSS Exam Preparatory Batch 2" started from 14th November, 2020.
- Three months' Certification course on "Certified Labor Laws Practitoner & Industrial Relations Analyst – Batch 6" started from 22nd November, 2020.
- Six Weeks' Certification course on "Certified Project Management Professional – Batch 9" started from 22nd November, 2020.
- Ten days' Short Course on "Computational Fluid Dynamics – Batch 3" started form 23rd November, 2020.
- Six months' Undergraduate Diploma Programme in "Applied Data Science with Machine Learning (Module 2) – Batch 1, 2 & 3" started from 27th December, 2020.

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