



University of Engineering and  
Technology, Peshawar, Pakistan



To be among the top ranking  
universities of the world through  
**Education, Research and Innovation**

# Newsletter

January – June, 2019



# INSIDE

## Mission Statement

To produce highly qualified, well-rounded professionals through education who play a leading role in the society by powering and driving knowledge-based economy and offer research services and innovation for sustainable development.

- First Ever Alumni Association Reunion
- QAA Visit
- First Eco Summit 2019
- Culture Day
- CISCO Road Show
- National Center in Big Data and Cloud Computing
- Session held on “Role of WISE Towards Women Education in Science and Engineering”
- Profile: Dr. Naveed Ullah

# Vice Chancellor's Message

This issue of the Newsletter is presented on the occasion of the Annual Convocation, 2019 that we have arranged for the last two academic sessions of 2017-18 and 2018-2019. I am pleased to note that a large number of professionals and parents from across the country are gathered to celebrate the success of our graduates who are the stars of this Convocation. This is a matter of great satisfaction for me that we have streamlined our academic activities with the passage of time — holding the Convocation for two batches simultaneously is one such manifestation.



It is a source of pride for us to say goodbye to a fresh batch of nation-builders and congratulate you for the job well done! This should equally be a proud day in your lives as you are reaping the first fruits of your hard academic pursuit. We are confident that you have been trained well, and success should come naturally your way. Set out the course with confidence and courage. However, there might be tough challenges for employment in the already shrinking job market of Pakistan, but for you as Engineers, opportunities are waiting in Pakistan and beyond in the technology fields. Instead of searching for jobs, you may establish your own business startups as the country is moving fast towards digital economy. However, if you opt to go abroad to further your education and economic prospects, don't ever let Pakistan go out of you. Please remember all those that made this possible, and work hard for your motherland.

Your Alma Mater will always call you for your intellectual contribution. You can do that by simply joining the UET Alumni Association and stay in touch.

May the journey that you are going on be safe and prosperous!

God bless you

A handwritten signature in black ink, appearing to read 'Iftikhar Hussain', with a horizontal line extending to the right and a small flourish at the end.

**Prof. Dr. Iftikhar Hussain**  
Vice Chancellor

## UET Peshawar Holds the First Ever Alumni Association Reunion

The University of Engineering and Technology Peshawar hosted a first ever alumni association reunion on 13th April, 2019. A reunion of this scale was hosted for the first time in its history in which more than 250 past students came and witnessed some nostalgic moments. Alumni from the various disciplines of UET Peshawar from the batches since 1980's shared their views at the reunion.

The day also witnessed the election of first ever cabinet UET Peshawar's Alumni Association for the key positions. Engr. Gul Bahadar was elected as the President, Engr. Sher Bahdar as Vice President, Engr. Nasir Ghafoor as General Secretary, Prof. Dr. Abdul Shakoor as Finance Secretary and Engr. Dil Awaiz as the Press Secretary. The election was held on the basis of show-off hands amongst the alumni present on the occasion.

The Vice Chancellor addressed the audience. He said that UET Peshawar recognizes that alumni are the real strength who are serving Pakistan in various key positions and making their alma mater valuable. While congratulating the elected cabinet, he said the Alumni Association is the only platform to acknowledge their services and stay connected to those friends and the faculty that taught and guided them over the years. He urged the alumni to stay committed and build a deep foundation to make their alma mater even more distinctive and valuable for future generations. "I urge you to consider engaging with the vast network of alumni wherever you find and commit to volunteering your time for alumni activities. You will realize that as you maintain your ties with us in whatever way possible and network." he said.

Earlier, the alumni were welcomed back to the campus by the Dean, Faculty of Mechanical Chemical and Mining engineering, Prof. Dr. M. A. Irfan together with faculty members from different departments. In his address, he emphasized the need for alumni to participate in developmental and social welfare activities of the University. The elected cabinet will devise a constitution and by-laws to run the affairs of the Association.



## The Quality Assurance Agency (QAA) Visited UET Peshawar

The Quality Assurance Agency (QAA) of HEC and the committee of experts from various universities headed by Prof. Dr. Fazal Ahmad Khalid, VC, Punjab Tainjin University of Technology reviewed the postgraduate program during their two day visit to UET Peshawar from 29th to 30th January, 2019. The visit was aimed to review the postgraduate program of UET Peshawar to examine its compliance with the HEC's minimum criteria/guidelines and enhance their quality to make them internationally compatible.

Dr. Ishaq Ahmed, Director QEC UET Peshawar apprised the committee about the various programs offered by the university and academic, research and developmental progress of the university.

Later, the committee also met with the scholars of M.Sc. and Ph.D. program of various faculties of the University. They also visited the earthquake engineering lab, Center for Artificial Intelligence and Center for Advanced Studies in Energy to see the sufficiency of research and support facilities.

While sharing recommendations with Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar Dr. Khalid appreciated the efforts of university in promoting research. He advised the management for holding meetings of Board of Studies to examine the rationale of existing and starting new projects. He also informed the meeting to strengthen the competency of graduating students in communication and presentation skills and hold regular workshops on updating the students on HEC guidelines on anti plagiarism policy and research policy.



## 1<sup>st</sup> ECO Summit 2019 Held at UET Peshawar

The first ever two-day ECO Summit 2019 was held from 6th to 7th March, 2019 with a purpose to bring academia industry and government at one platform for introducing innovative green technologies and finding indigenous solutions for sustainable environment. The summit was organized by the Office of Research Innovation and Commercialization (ORIC) UET Peshawar in collaboration with National Bank of Pakistan (North Region), USPCASE-UET Peshawar, British Council and various leading organizations of Pakistan.

The Vice Chancellor addressed the audience as chief guest. He said, climate change was showing significant impact globally on people's livelihood and our ecosystems. The rapid change in climate has also put serious challenges to the national development of Pakistan with clear evidence that forestry, agriculture and water resources have been badly affected due to which people are more likely to suffer. He urged the stakeholders including Government, industry academia and civil society to come to a united forum and raise the scale of awareness on climate sensitization.



## Kohat Cement Ltd. Awards Scholarships to UET Peshawar Students

The Kohat Cement Ltd. awarded scholarships to engineering students of UET Peshawar on 27th June, 2019. As part of its Social Corporate Social Responsibility to help local communities in education sector, the deserving students belonging to Kohat have been awarded these scholarships to cover their tuition fee. Col (R) Ajmal Khan, General Manager Admin, Kohat Cement in an award distribution ceremony in the presence of Vice Chancellor, Prof. Dr. Iftikhar Hussain and senior officials. Prof. Dr. M. Naeem Arbab, Dean, Faculty of Electrical & Computer Engineering, Prof. Dr. Waqar Shah, Chairman Department of Electrical Engineering, Engr. Dr. Khizar Azam Khan, Registrar Prof. Dr. Abdul Shakoor, Director ORIC, Dr. Gulzar Ahmad, Director Students affairs, Mr. Nek Muhammad Khan, Treasurer UET, Dr. Shamaila Farooq, Director Media & Publications and other were also present on the occasion. Among recipients included Sikandar Mehmood and Hamid Ullah from Mechanical Engineering Department, Usama Ali from Industrial Engineering Department and Irfan Ullah from Mechatronics engineering Department.



## UET and KMU Ink MoU

UET Peshawar and Khyber Medical University (KMU), Peshawar have signed an MoU on 7th March, 2019. The MoU was signed by Prof. Dr. Jawad Ahmad, Pro-Vice Chancellor/Dean, KMU and Prof. Dr. M.A. Irfan, Dean, Faculty of Mechanical, Chemical and Industrial Engineering, UET Peshawar.

The MoU is aimed to identify areas of mutual interest and explore opportunities for joint research, to propose and executes research projects that seek to improve the quality of public health services by employing state-of-the-art technologies. Through the MoU, faculty and students will mutually investigate the major challenges faced by modern medicines and indigenous development of technologies and equipment for medical research and diagnostics.



## MoU Between NCBC UET and PTB

National Center for Big Data and Cloud Computing (NCBC) UET Peshawar and Pakistan Tobacco Board (PTB), Peshawar signed a memorandum of understanding on 14th May, 2019. The purpose of this MoU is to define terms upon which these two partners will jointly collaborate to achieve the common goals in the Accurate detection and estimation of tobacco crop through Geographic Image Analysis.

The MoU includes agreeing to mutual assistance with respect to Technologically Estimating Tobacco Crop Production in KP, with the help of Remote-Sensing Engineering Team at NCBC Peshawar. Wherein the Pakistan Tobacco Board has agreed to financially support this initiative. The MoU was signed by Ali Khan, Business Development Manager at NCBC, and Ms. Asma Khan, Chief Statistics Officer PTB in the presence of officials. Dr. Nasru Minallah, Director NCBC and Secretary PTB Ataulah Khan were also present on occasion.



## Guest Lecture on "Shallow Water Wave Models: Solutions and Applications"

The Department of Basic Sciences conducted a guest lecture on "Shallow Water Wave Models: Solutions and Applications" on January 9, 2019. Prof. Dr. Usman from University of Dundee, U.S. was the guest speaker. Prof. Dr. Siraj-ul-Islam, Dean, faculty of Architecture, Allied Sciences and Humanities, senior faculty members and a large number of students were present on the occasion.



## Clean and Green Pakistan Campaign Held at All campuses

The Vice chancellor inaugurated the Clean and Green Pakistan by planting a sapling at Peshawar Campus on March 12, 2019. More than 5000 saplings were planted during the campaign at all campuses in which students and faculty too active participation. The vice chancellor said, in line with Government's vision, UET Peshawar is the first public sector university to plant saplings at its campuses saying, climate change and global warming are grave issues that need to be tackled accordingly with community participation.



## Culture Day "Colors of Culture" Held

The UET Rotaract Club celebrated the culture of different regions of Pakistan through exhibiting culture and food on 13th May, 2019. The objective of celebrating Culture Day was to promote peace and social cohesion among the students. President Rotaract Club, Qazi M. Walid said, Pakistan has a diversified deep-rooted culture and as a peace loving nation, we have encouraged our International students from Afghanistan, Somalia, Sudan, Yamen Oman and Saudia Arabia to share their culture through wearing traditional outfits and food with local students. The Dean, faculty of Mechanical Engineering, Agricultural Engineering and Chemical Engineering Prof. Dr. Irfan Mufti, Director ORIC, Prof. Dr Abdul Shakoore, Prof. Dr. Sahr Noor and senior faculty members joined the students on the occasion.



## Ph.D Defenses

**Engr. Junaid Akbar**, successfully completed his Ph.D through a public defense held on May 3rd, 2019. His research area was "Strengthening of Reinforced Concrete (RC) building using haunch retrofit solutions". His supervisor was Prof. Dr. Bashir Alam, Department of Civil Engineering.

**Engr. Uzma Nawaz**, Department of Electrical Engineering, defended her Ph.D. theses on 22nd June, 2019. The topics of her Ph.D theses were "Home Pump-storage Hydroelectric (PSHE) System as Alternative to Battery Bank in UPS System". Her supervisor was Prof. Dr. M. Naeem Arbab, Dean, faculty of Electrical and Computer Engineering. She presented her research findings through a public seminar.

**Engr. Zubair Ahmad**, Department of Mechatronics Engineering successfully completed his Ph.D. through a public defense held on 2nd July 2019. His Ph.D. research topic was "Fault tolerant framework development using agent based approaches for manufacturing sectors". His supervisor was Prof. Dr. Tahir Khan, Department of Mechatronics Engineering.

**Engr. M. Rizwan**, successfully completed his Ph.D. through a public defense held on January 19, 2019. His research area was "Performance based seismic assessment of RC SMRF compliant and non-compliant structures". His supervisor was Prof. Dr. Akhtar Naeem Khan, Dean, Faculty of Civil, Agricultural and Mining Engineering.



## UET Academic Council Approves New Academic Programs

The 74th meeting of Academic Council of UET, Peshawar was held here today with vice chancellor Prof. Dr. Iftikhar Hussain in chair on 20th June, 2019. Dr. Khizar Azam Khan, Registrar UET Peshawar presented the agenda of the meeting. The Academic Council approved the recommendations of 35th meeting of Board of Advanced Studies and Research (BOASAR) to commence postgraduate program in Architecture at UET Abbottabad Campus, and Master's in Hydro-Power Engineering at Main campus Peshawar.

The Vice chancellor appreciated the teaching faculty and Heads of Departments for making efforts in resolving and building consensus on academic matters of university. He expressed satisfaction over their performance for getting accreditation of three disciplines including Department of Industrial Engineering, Department of Civil Engineering (Bannu and Peshawar) and Department of Electronic Engineering (Abbottabad Campus) by the Pakistan Engineering Council under the Outcome Based Education (OBE) system. The meeting also approved the BOASAR's recommendation to introduce the post-graduate (Taught) program besides the on-going Master's program (Research-based) from the Fall-2019 intake. The Academic Council's recommendations will be placed in the upcoming Syndicate for final approval.



## UET and GIZ, Held a Roundtable on "Paving the Way for Sustainable Development"

UET Peshawar and GIZ, the German development agency held a Roundtable on "Paving the way for sustainable development" on 28th February, 2019. The purpose of the roundtable was to converge industry experts and academia on a single platform to discuss and pave a way for future investments under the Agenda 2030 on sustainable development. The Vice Chancellor UET Peshawar Dr. Iftikhar Hussain as chief guest said, that adoption of the 2030 Agenda for Sustainable Development was undoubtedly a huge milestone achieved, however, to turn it into a huge success, concerted efforts from all sectors of society including universities and academia were mandatory for effective implementation of Agenda 2030 effectively. While endorsing the need for curriculum on "sustainable development", he directed the faculty to propose the contents of curriculum and present it before the statutory bodies for review and

approved the idea of setting up the caucus of ORICs for further networking. He appreciated the efforts of Sadiq Hussain Advisor GIZ (FSD) and Director ORIC Prof. Dr. Abdul Shakoor for engaging academia towards this important issue through GIZ. Prof. Dr. M.A. Irfan, Dean, Faculty of Mechanical Engineering, Dr. Khizar Azam Khan, Registrar, senior faculty members and students were also present on the occasion.



### 6th Senate Meeting of UET Peshawar Held

The 6th meeting of the Senate, University of Engineering and Technology, Peshawar was held in Governor House Peshawar with Chancellor/Governor Khyber Pakhtunkhwa, Mr. Shah Farman in chair on 7th March, 2019. The Vice Chancellor, UET Peshawar Prof. Dr. Iftikhar Hussain briefed the meeting about the progress and future plans of the university.

After detail deliberations and discussion on several agenda items, various decisions regarding the academic development and budget were taken. The Senate approved UET Budget for the year 2018-19. The University annual report for the year 2017-18 was also approved. The Senate accorded approval of minutes of 5th meeting of the Senate, held previously.

Mr. Shah Farman, the Chancellor/Governor Khyber Pakhtunkhwa commended the untiring efforts of Dr. Iftikhar Hussain and his committed team for the academic uplifting of the university.

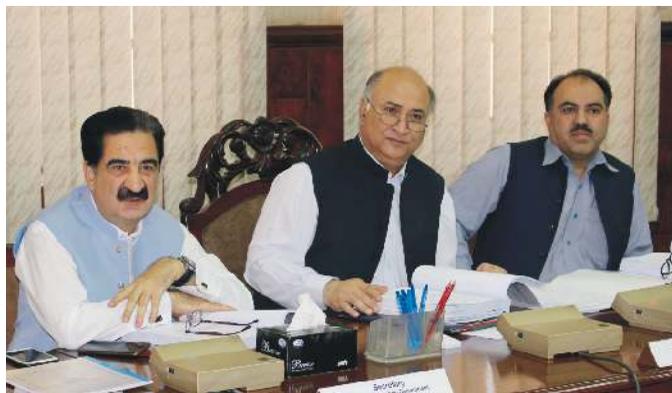
Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar assured his commitment to lead the University to new horizons with the support of the office of the Chancellor and provincial government.



### Meetings of Syndicate

The 114th meeting of the Syndicate held under the chair of Vice Chancellor, Engr. Prof Dr. Iftikhar Hussain on 6th and 7th May, 2019. The Syndicate approved the recommendations of 74th meeting of Academic Council and Budget for fiscal year 2019-20 of Rs. 2,276.566.

The Syndicate reviewed various academic, administrative and financial matters and fully endorsed the step taken by the university administration under the leadership of the Vice Chancellor. The meeting was attended by Secretary Higher Education Department, Mr. Manzoor Ahmed, Dr. Khizar Azam Khan, Registrar, UET Peshawar, Prof. Dr. Akhtar Naeem Khan, Dean, Faculty of Civil, Agricultural and Mining Engineering, Prof. Dr. M.A. Irfan, Dean, faculty of Mechanical, Chemical and Industrial Engineering, Prof. Dr. Siraj-ul-Islam, Dean, Faculty of Architecture, Allied Sciences and Humanities, Treasurer UET Peshawar, Mr. Nek Muhammad Khan and others.



## Conferences, Seminars & Workshops

### CISCO Road Show Held at UET Peshawar

UET Peshawar and CISCO started the refresher training of CISCO trained instructors from Khyber Pakhtunkhwa under the umbrella of "CISCO Road Show 2019" on April 13, 2019. Through CISCO support academy established at UET Peshawar in 2017, the purpose of training is to update the CISCO trained instructors on the latest technological developments in the fields of networking, cyber security, programming and CCNA etc. Mohammad Jinini, Cisco CSR consultant for Middle East informed that CISCO through its Corporate Social Responsibility (CSR) has been leading trainings across the world while the role of education institutions becomes central to this program in order to prepare youth for learning the right skills from certified trainers and be prepared for the rapidly changing the future digital world. So far, CISCO has established 10, 000 academics globally where students are learning the basics of ICT to advanced level skills. So far 1.5 million students have got the trainings globally, this number is quite low in Pakistan.

CISCO has established 40 academies in Khyber Pakhtunkhwa since 2017 where more than 5000 students have been trained while urged the need to increase the number, especially female participation in such fields as they would be able to find jobs easily related to ICT's and this training would not only enable them to avail a wide range of opportunities in the fields of education, communication & Information technology but public service and health care services.

Prof. Dr. Laiq Hassan, Chairman Department of Computer System Engineering said that UET Peshawar the pioneer in the province and urged that cooperation and support would require for making it a sustainable project. Later on the Vice Chancellor presented shields to the speakers and others. Mr. Atif Khan, CEO World Learning and Engr. Ihsan-ul-Haq, focal person, Cisco Network Academy.



### ElectroCure: "Meter Less Smart Metering"

The Center for Intelligent Systems and Network Research (CISNR) has developed a solution named "ElectroCure" a meter-less smart metering that aims to reduce electricity losses up to 90% through theft detection, load balancing and identifying other Administrative/Technical losses at an launch seminar held on April 24th 2019 titled, "ElectroCure: Meter less smart metering using IoT and Artificial Intelligence in Lahore. Engr. Javed Salim Qureshi, Chairman Pakistan Engineering Council was the chief guest. He appreciated the efforts of CISNR for introducing the ElectroCure and stated that it is a technological innovation but people should be the real stakeholders and beneficiaries of this innovation.

### ElectroCure: "Making Pakistan Bright Again" Successfully Tested and Installed

The Center for Intelligent Systems and Network Research (CISNR) has developed a solution named "ElectroCure" a meter-less smart metering that aims to reduce electricity losses up to 90% through theft detection, load balancing and identifying other Administrative/Technical losses at an launch seminar held on January 14, 2019, titled "ElectroCure: Making Pakistan Bright Again" in Islamabad.

### Application of Latest Processing Techniques in the Mineral Sector of Khyber Pakhtunkhwa

A training seminar on "Application of latest processing techniques in the mineral sector of Khyber Pakhtunkhwa" was held at UET Peshawar on 20th February, 2019. The seminar was arranged by Society of Mining Metallurgy and Exploration and Department of Mining Engineering and Pakistan Engineering Council. Senior faculty members including Dr Khan Muhammad, Dr. Mansoor Khan and Dr. Ishaq Ahmad spoke on different topics during the seminar. Prof. Dr. Noor Muhammad Chairman Department of Mining Engineering was the chief guest on the occasion.

### "Entrepreneurship and Interviewing Skills"

A two-day training workshop on "Entrepreneurship and Interviewing Skills" was held at the US Pakistan Center of Advanced Studies in Energy (USPCASE), UET Peshawar on 18th April, 2019. The workshop was arranged by the Department of Industrial Engineering in collaboration with USPCASE, UET Peshawar and FES, education consultants.

## NATIONAL CENTER IN BIG DATA AND CLOUD COMPUTING (NCBC)

The National Center in Big Data and Cloud Computing (NCBC) is a nation-wide program, funded by the Federal Government at the cost of Rs 1.5 billion to the leading universities of Pakistan. The NCBC is mainly housed at LUMS having affiliated labs at leading universities including NUST, College, Pakistan Navy Engineering College, UET Lahore, UET Peshawar, SZABIST, FAST-NU, CECOS, Ziauddin University and University of Agriculture Faisalabad. The program is aimed to focus on preparing a trained workforce in the field of Big Data and Cloud Computing for finding solutions through practical applications in the area of data analytics, cloud computing with a focus on making contributions in the fields of data science, scientific research and innovation and knowledge transfer to the national economy.



NCBC, UET Peshawar is fully equipped with trained engineers and experts who are currently engaged in the cutting-edge research in the following key areas:

**Traffic Characterization:** The team is engaged in characterizing the traffic based on local conditions for devising Intelligent Transportation Systems. This involves the study of the current traffic flow and momentum in Peshawar to effectively mitigate and predict traffic conditions on a daily basis.

**Remote Sensing:** The team excels in the analysis of Satellite Multispectral Imagery that is used for detection and estimation of crop production in Khyber Pakhtunkhwa. In this regard, researchers are busy in using SMI to predict and mitigate urban decay and deforestation and sensing CO<sub>2</sub>/CO levels, toxic gas levels and dust particles taken from satellite images. This is also helpful in identifying trends in pollution increase due to over population and urbanization in the region.

**Big Data Analytics:** The Data Analytics team works for the collection, processing and data analysis for prediction and diagnostic purposes on a large scale. For informed decisions and policymaking, big data analytics team serves as a bridge by co-relating data from other departments that help in testing different hypotheses.

**Multimedia Streaming:** A decentralized multimedia streaming communication system is an integral part of NCBC to ensure improved scalability and higher reliability compared to other centralized streaming solutions. The Center is fully equipped with smooth user interface technologies such as, high definition video streaming cameras and wireless communications systems.



### Vision

"People First: Developing social and human capital" has been identified as very first of the seven Pillars of the Vision 2025. In order to enhance collective competitiveness in the longer run and channelize and streamline energies and potential of Pakistani youth. One of the most important pillars is to create Knowledge Economy through higher education and research.

### Dr. Nasru Minallah, Principal Investigator

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## “Role of WISE Towards Women Education in Science and Engineering”

The Directorate of Media organized a session on "Role of WISE towards women education in Science and Engineering" on March 7th, 2019. The session was organized by the Women in Science and Engineering (women student society) and the Directorate of Media and Publications, UET Peshawar. The eminent women spoke on the occasion based on an interactive format. The Session Co-organiser, Engr. Sumayyea, Lecturer department fo Computer System Engineering moderated the discussion followed by a panel discussion of invited speakers. The session was aimed to understand women perspective in the respective fields and sharing of ideas on climate change.



### Directorate of Media & Publications participates in Dawn and The News Education Expos

The Directorate of Media and Publications participated in “Dawn Education Expo 2019” held on February 9th, 2019 in Islamabad and “The News Education Expo 2019” held on 3rd April, 2019 in Peshawar. The Expo was a true display of options available in higher education – from public to private universities within Pakistan. Representatives of international universities and their representing agencies such as US, UK, Canada, Australia and Europe were also present and attracted the younger audiences to seek first hand advice on admissions abroad. At the Express Education Expo, Minister for Education Khyber Pakhtunkhwa Mr. Atif Khan visited the stall. Director Media & Publications presented the UET Annual Report and UET souvenirs.

### Mega Buzz Held at UET Peshawar

A three-day Mega Buzz 2019 was held from 13th to 15th January, 2019. The event was organised by the Computer Science Society under the auspices of Directorate of Clubs and Societies in which higher Education Institutions, schools and colleges participated in different games including E-gaming, Chess, Table Tennis, Ludo and Badminton. Speaker KP, Mushtaq Ghani was the chief guest at the closing ceremony. He assured the students to provide all facilities and support such events that would encourage youth to play positive role in society.



## PROFILE

### Dr. Naveed Ullah



Dr. Naveed Ullah completed his Ph.D. in 2017 from Kyungpook National University (KNU), Daegu, South Korea. After completing his Ph.D., he joined the Department of Mechanical Engineering, UET, Peshawar in 2017 as Assistant Professor. The title of his Ph.D. defense was “Design and Development of a Quartz tuning fork-based Atomic Force Microscope” which he completed under the sponsorship of the Korean Government under BK21Plus Scholarship program.

Dr. Naveed is a member of the Korean National Research Foundation (NRF), Korean Physical Society and KNU Laser Center. In addition to his teaching and administrative responsibilities as semester coordinator, he has graduated many M.Sc. students and currently supervising graduate students in their research projects. Further, he is actively involved, as a Research Associate in the project, “Chair on gas Engineering” at Mechanical Engineering, sponsored by SNGPL, Pakistan. His research interests include nano-scale measurements, scanning probe microscopy, atomic force microscopy, confocal microscopy, characterization of quartz tuning fork, vibration measurement at nanoscale and high speed AFM. Several research papers, published in the journals of International repute are to his credit

### With Compliments

#### Directorate of Media and Publications

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