

Newsletter

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Paradigm Shift was Needed in Engineering Disciplines

Rapid advancements and innovations had taken place in the field of science and technology worldwide, a paradigm shift was needed in engineering disciplines, scientific concepts and analytical thinking for sustainable economic growth and prosperity in the country.

Dr. Arif Alvi, President Islamic Republic of Pakistan

Inauguration of Artificial Intelligence and Cyber Security Labs held at UET Peshawar on November 05, 2021



University of
Engineering and Technology,
Peshawar, Pakistan



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

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Paradigm Shift was Needed in Engineering Disciplines

Rapid advancements and innovations had taken place in the field of science and technology worldwide, a paradigm shift was needed in engineering disciplines, scientific concepts and analytical thinking for sustainable economic growth and prosperity in the country.

Dr. Arif Alvi, President Islamic Republic of Pakistan

He was addressing a function of the students and faculty members of the University of Engineering and Technology, Peshawar here after the inauguration of the Artificial Intelligence and Cyber Security Laboratory on campus on November 05, 2021.

The president said science and engineering technologies were making an advancement in the world at a fast pace and the importance of online education had significantly increased in the wake of emerging challenges. "If we want to compete with world and regional countries, we need to encourage virtual and online education," he said. Students are country's future, he added.

Dr. Alvi said the developing countries were also making rapid progress due to science and technology and Pakistan had all resources to become a developed country by bringing the necessary innovations and advancements in scientific and technological disciplines.

"We need a major paradigm shift in our analytical thinking, basic scientific concepts and engineering disciplines in order to achieve

new heights of progress and development besides coping with the modern day challenges. To achieve these key objectives, the role of the universities of science and technologies is vital to prepare youth along modern scientific lines and inculcate the required educational and vocational skills in

and great responsibilities rested on the UETs' academia to produce quality manpower, including IT professionals, to cater to the market demand and futures responsibilities in an effective way. He said students were the country's future, so they should concentrate on education to contribute to efforts for national development.

Dr. Alvi appreciated the UET Peshawar's initiatives for the promotion of quality education in the province and said quality research in engineering disciplines was imperative to provide better facilities to the people and help policymakers formulate future strategies for development. He said the university should increase enrolment of IT students and prepare IT specialists in light of the increased role of computer and IT in government and private sectors.

Earlier, Vice Chancellor, Prof. Dr. Iftikhar Hussain highlighted the university's achievements and facilities provided to students. He said donor organizations and government's Ehsas scholarship programme were providing around Rs100 million funds every year for scholarships.



students so that they could effectively shoulder future responsibilities and significantly contribute to the process of nation building," he said.

The president said Pakistan required quality engineers, architects and IT professionals,



Prize distribution ceremony of “National Idea Bank (NIB)”

The prize distribution ceremony of National Idea Bank (NIB) was held at UET Peshawar on November 29, 2021. The Chief Guest of the ceremony was Mr. Atif Khan, Minister for Science, Technology and Information Technology, Khyber Pakhtunkhwa who gave away shields, certificates and cash prizes to the winners of different competitions held from 22nd to 27th September, 2021 for Peshawar region, hosted by UET Peshawar. The competitions were comprised of different areas including Education, Health, E-Commerce, Construction, Agriculture and Natural Resources. In total 1200 innovative ideas were shortlisted for the NIB competition.

Prof. Dr. Iftikhar Hussain, Vice Chancellor said, the National Idea Bank is an initiative of the President of Pakistan Dr. Arif Alvi, a unique collaboration between academia, government, industry and communities for identifying and showcasing innovative ideas that are capable of solving indigenous problems by using technology in business and governance models. In present era when digitization has become indispensable for socio-economic-development of a country,

Pakistan needs to establish a strong platform of professionals and experts to identify innovative ideas for real issues through technology. In order to promote an entrepreneurial culture and self-sustainable businesses for youth, the National Idea Bank organized this

for their efforts.

Mr. Atif Khan, Minister for Science, Technology and Information Technology, Khyber Pakhtunkhwa said that the Government of Khyber Pakhtunkhwa has increased the budget for Science and Technology sector that

will not only create job opportunities and facilitate youth for bringing innovative ideas in the same field. He said that the Government has been investing in the fields of Information Technology. Recently Government of Khyber Pakhtunkhwa and the World Bank along with key local community and academic partners conducted the Digital Youth Summit 2021 which is known for engaging youth from academia and brought together industry and investors at one platform.

Winners: Mr. Faisal Farid grabbed first position (category E-commerce), Mr. Yusuf Javed

bin Mansoor secured 2nd position (Construction) Mr. Ibrahim Afridi got 3rd position (Natural Resource), Mr. Mehtab Khalid got 4th Position (Education) Mr. Asif Habib got 5th Position (Agriculture) and Mr. Rahim Ullah grabbed 6th Position (Human Health).



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Mechanical Engineering Final Year Project Exhibition 2021 Held



The Department of Mechanical Engineering, UET Peshawar showcased 45 projects during the Final Year Project Exhibition 2021 held on August 24, 2021. The exhibition was orga-

nized by the Department of Mechanical Engineering under the supervision of Chairman Prof. Dr. Rizwan Gul. The exhibited projects ranged from projects that had a conceptual nature to the state-of-the-art solutions in emerging fields of engineering and technology. Vice Chancellor Prof. Dr. Iftikhar Hussain was the chief guest on the occasion. He visited the projects and praised the efforts of the graduating students for their innovative ideas.

Prof. Dr. Rizwan Gul said, the "Final Year Project Exhibition" is a regular feature of the Department of Mechanical Engineering arranged every year to celebrate the achievements of the students and encourages them to communicate their project work to the public and especially industry. Prof. Rizwan Gul appreciated the industry for participating and giving presentations to the graduating students about latest trends, challenges and possibilities for linkages with academia. The representatives from the Heavy Industries Taxila, Wah Nobel Pvt Ltd, Pak Cables Ltd, FF Steels, Schlumberger, MFFA Group,

Irrum Hospital, Peshawar and TKM took part in the exhibition. He appreciated the efforts of Dr. Zeeshan Zahir for holding a successful project exhibition and the Evaluation Committee including Dr. Izhar Ul Haq,

Department of Mechatronics Engineering, Dr. Masood Ahmed, Department of Mechanical Engineering and Dr. Kamran Shah, Department of Mechatronics Engineering. The student societies including ASHRE and ASME also worked jointly with the supervising teams.

Amongst the best project awards, the first prize was won by the students for the project "Analysis of Suspended gas pipelines for identification of safer span length", supervised by Dr. Naveed Ullah, second prize was won by the project "Technical and Economic Feasibility of low cost measurement device for

domestic LPG cylinder", supervised by Dr. Naveed Ahmed while third prize was won by the project "Seed Planter" supervised by Prof. Dr. Afzal Khan.

The project exhibition also declared special awards including the Best Mechanical Design which was awarded to the group for "Implementation of 3D scanning and 3D printing in rehabilitation of patients with limb disabilities" supervised by Prof. Dr. Afzal Khan, Best Research award was conferred to the students who developed "Development of an inorganic phase change material helmet and wrist band for personal cooling",

supervised by Dr. Ali Kamran, Best Mechanical Green project "Reverse engineering and automation of atomization nozzle for water conservation", supervised by Dr. M. Zeeshan Zahir while Best Poster "Design and performance vortex tube for cooling applications: A CFD approach" supervised by Dr. Ali Kamran.

Prof. Dr. Sahar Noor Dean, Faculty of Mechanical Engineering and Prof. Dr. M.A Irfan gave away shields and cash prizes to the winners. The exhibition was attended by a large number of students, faculty and representative of local industry.

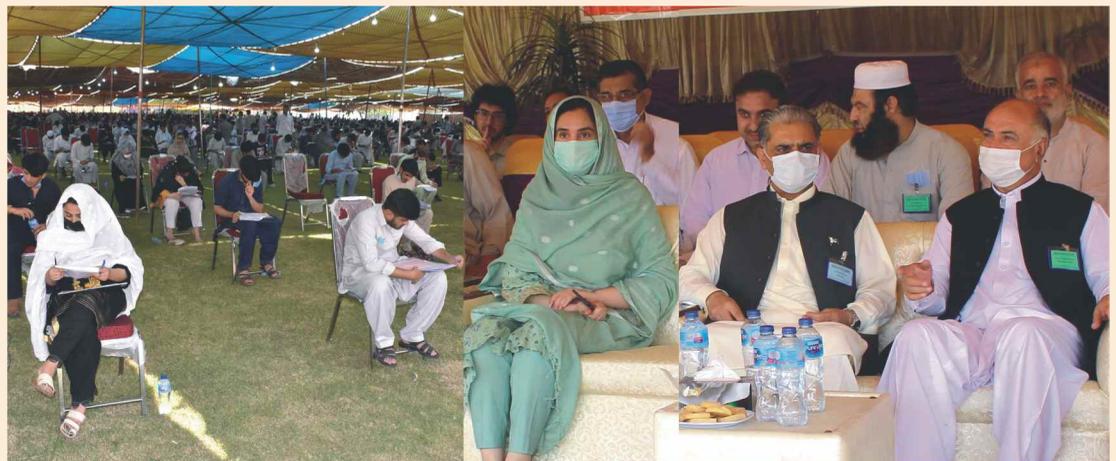
ETEA Engineering Entrance Test 2021 Successfully Held

The Entrance Test for Academic Session 2021 of UET Peshawar was successfully conducted on August 22, 2021 simultaneously at Peshawar, Mardan, Abbottabad, Swat, Malakand, Kohat, and D.I. Khan Centers.

The test was conducted by the Educational Testing and Evaluating Agency (ETEA) of Government of Khyber Pakhtunkhwa. Around 8148 candidates from Khyber Pakhtunkhwa, erstwhile FATA, AJK and Gilgit Baltistan appeared for the entrance test. Mr. Dawood Khan, Secretary Higher Education, visited the Center. He was briefed about the salient features of the test and allied facilities including Rescue 1122 services and medical services especially provided to the candidates. He lauded the efforts of UET Peshawar and ETEA for successfully holding Entrance Test at a mega scale in seven centers without any interruption. He also expressed satisfaction over the UET Peshawar's arrangement for Covid-19 SOPs.

The Vice Chancellor Prof. Dr. Iftikhar Hussain said UET Peshawar strictly followed the Government's guidelines for Covid-19 during the entrance test. He said all measures including social distance was maintained while face masks and sanitizers were given to the candidates free of cost. The same practice was followed at all centers in Peshawar, Kohat, Bannu, Mardan, Abbottabad, Swat and D.I.Khan. He thanked the Higher Education Department for assuring full cooperation under the supervision of Secretary Higher Education, Mr. Dawood Khan. He also appreciated the efforts of Dr. Rashid Nawaz, Director Admissions for the successful execution of the test.

At Peshawar Center, a total of 3401 candidates appeared in the test for admission in engineering disciplines, similarly at Abbottabad Center 1521 candidates, at Swat Centre 540 candidates, at Mardan Center 1125 candidates, at Kohat Center 546 can-



didates, at Malakand Center 435 candidates, while at D.I. Khan Center 580 candidates appeared in the test. Altogether, 7492 male and 656 female candidates appeared in all centers.

Executive Director ETEA, Miss Tanzeela Sabahat, Dean Faculty of Mechanical Engineering, Prof. Dr. Sahar Noor, Dean Faculty of Electrical Engineering, Prof. Dr. Amjad Ullah, Dean Faculty of Architecture and Allied Sciences Prof. Dr. Siraj-ul-Islam, Dr. Misbah Ullah, Treasurer UET Peshawar, ETEA Officials, faculty members and administrative staff of UET were also present on the occasion.



Orientation Day for Session 2021-22

UET Peshawar conducted the Orientation Day for the new comers of session 2021-22 for undergraduate engineering and non-engineering programs at UET Peshawar on November 01, 2021. The Vice Chancellor Prof. Dr. Iftikhar Hussain was the Chief Guest on the occasion.

The Vice Chancellor visited the While talking with newly admit-huge service to your parents, and all opportunities to become suc-tion has produced eminent peo-the country. He assured the full urged the students to work hard career goals.

Director Admissions, Dr. Rashid provides an opportunity to intro-tions of the University, and are process. He thanked the adminis-efforts of admission team for orga-mony".

Prof. Dr. Sahar Noor, Senior Dean, ulty of Architecture, Allied Sci-Amjad Ullah, Dean Faculty of Electrical Engineering, Engr. Dr. Khizar Azam Khan, Registrar, Prof. Dr. Misbah Ullah, Treasurer, HoDs, senior faculty members, administrative staff and a large number of students and their parents were also present on the occasion.



stalls setup for the new comers. ted students, he said, you owe a this country who have given you cessful in your career. This institu- ple who are serving the needs of cooperation of university and with dedication to achieve their

Nawaz said the Orientation Day duce the students to different sec-guided through their registration tration and appreciated the nizing the "orientation cere-

Prof. Dr. Siraj-ul-Islam, Dean Fac- ences and Humanities, Prof. Dr.

Mr. Shibli Faraz Gives Briefing on EVM to the Faculty and Students of UET Peshawar

The Federal Minister for Science and Technology Mr. Shibli Faraz visited UET Peshawar on August 30, 2021. The officials of ministry gave a detailed briefing to the audience about the working of the Electronic Voting Machine (EVM) as part of its outreach drive. Mr. Shibli Faraz in his address as the chief guest said, the EVM has been designed as per the recommendations of the Election Commission of Pakistan. He informed that the EVM would help conduct fair, free and transparent

elections in the country as per the vision of Prime Minister of Pakistan Mr. Imran Khan. The officials of S&T Ministry gave a detailed briefing to the audience about the working of the electronic voting machine (EVM) and its live demonstration. The faculty and students also witnessed a detailed demonstration of EVM. Shibli Faraz said, there is no need for internet connectivity for the EVM as the software used is in the machine is of international standards. He said, it is unfortu-

nate that questions were raised over all elections held in the past in the country, which has not only harmed the election process and parliament but also ruined the confidence of the people. He welcomed the faculty and the students of UET Peshawar to share their views and work jointly with the Ministry of Science and Technology for bringing improvement in the EVM. A large number of students and faculty were present on the occasion.



Kamran Bangash Approves the Solarization of UET Peshawar

Mr. Kamran Bangash, Minister for Higher Education, Archives and Libraries and Mr. Hamayat Ullah, Advisor on Energy and Power KP visited UET Peshawar March 04, 2021. Mr. Kamran Bangash, gave the approval to initiate the "Solarization of UET Main Campus, project" while adding he said, the KP Govt is focused on bringing all nine public sector universities on solarization so that overall power load is reduced for the whole province subsequently. He stressed that academic linkages signed with industry should have real outcome which benefits the society. He directed UET to start the technical work for other universities as UET Peshawar is a leading university of the province and we expect that it will come up as a recognized brand across the province. Mr. Hamayat Ullah, Advisor on Energy and Power KP said, project management needs to be strengthened for such mega projects and assured UET Peshawar that the Govt. will strengthen UET for enhancing its consultancy services.

Dr. Najeeb Ullah, Project Director Swat University of Engineering Technology Peshawar briefed the delegation about the solarization project of UET Peshawar. He said, through solarization UET Peshawar will cover 2 MW and save Rs 9.5 million annually. At present, UET is getting electricity from PESCO at the cost of Rs. 20 per unit which costs UET around Rs. 32 million annually. He said that the parties including UET Peshawar, ESCO PVT (Ltd.) and PEDO will work together through a 25 years agreement to be signed in the near future. The project will also help UET to save money through net metering.

Prof. Dr. Iftikhar Hussain, Vice Chancellor, said that the solarization project to be launched from May 2021 will get operational by the end of year. He said it would be huge transformation from conventional to renewable energy.

Prof. Dr. MA Irfan, Dean, Faculty of Mechanical Engineering and Dr. Adnan Dawood, Director USPCAS-E gave presentations to the delegation. Later, the delegation visited UET Gems and Jewelry Center of Excellence and Earthquake Engineering Center. Prof. Dr. Siraj-ul-Islam, Dean Faculty of Architecture, Dr. Khizar Azam Khan, Prof. Dr. Misbah Ullah, Treasurer, Mr. Naem Khan, CEO PEDO and other officials were also present on the occasion.



Taj Muhammad, Special Assistant to the CM KP for Energy Visits Center for Advanced Studies (Energy)

Mr. Taj Muhammad, Special Assistant to the Chief Minister Khyber Pakhtunkhwa for Energy visited the Center for Advanced Studies (Energy) UET Peshawar on June 17, 2021. UET Peshawar is playing a leading role in training the younger generation in the field of renewable energy. He expressed satisfaction over the progress of CAS, UET Peshawar after visiting the state of the art facilities and meeting with the faculty. He ensured full support to the Center in the field of energy and ensured that MoU will be signed in near future after the technical consultation of concerned officials from UET Peshawar and Pakhtunkhwa .Energy Department (PEDO). He also directed the Energy Department to hold a joint meeting with CAS to look into the possibility of establishing the KP Energy Efficiency and Conservation Agency KPEECA on the similar lines, Punjab has established the PEECA.

The Vice Chancellor Prof. Dr. Iftikhar Hussain said, as a premier seat of learning in energy, the Center was awarded the "think tank" status in energy in 2017. He said, CAS has got the latest equipment and trained faculty from Arizona State University USA to act as a hub of energy solutions to the current energy crises. Dr. Adnan Daud, Director CAS said that the Center has a solar testing facility based on international standards and recommended that the Solar Testing Center (STC) may be declared as "Technical Consultant" for the KP Govt. to create stronger collaborations with industry and Govt.

Dr. Najeeb, Project Director UET Swat said the center has worked closely with the KP Government at various policy level projects including "Power Policy for Khyber Pakhtunkhwa"; "ten years

energy plan for erstwhile FATA" mega project for preparing the Low Cost Solar Panels in Hattar through STC and established the Center for Industrial and Building Energy Audits (CIBEA) which has so far audited ten projects from Khyber Pakhtunkhwa and Balochistan.

Dr. M.A Irfan, Director CIBEA stressed for setting up the KP Energy Efficiency and Conservation Agency (KPEECA) to act as a regulatory agency that will help in saving the electricity, reduce load shedding and reducing cost. Mr. Asad Mehmood, Director National energy Efficiency Conservation Agency (NEECA) and Dean Mechanical, Chemical and Industrial Prof. Dr. Sahar Noor also spoke on the occasion.



Prof. Dr. Sahar Noor takes Charge as Dean, Faculty Mechanical, Chemical & Industrial Engineering

Prof. Dr. Sahar Noor has been appointed the Dean, Faculty of Mechanical, Chemical and Industrial Engineering of UET Peshawar for a period of three years with the approval of Honorable Governor/Chancellor KP through a notification issued by the Higher Education Archives and Library Department, Government of Khyber Pakhtunkhwa.



Dr. Sahar Noor completed his Master's in Metallurgical Engineering in 1996 from the Institute of Material Science & Research, Pakistan Steel Karachi. He completed his Ph.D in Mechanical Engineering from University of Bradford, UK in 2007 and became Professor in 2010 at the Department of Industrial Engineering. Earlier, he also served as Chairman Industrial Engineering Department, UET Peshawar for more than four years. Currently, Dr. Sahar Noor is also serving as Provost, UET Peshawar while he has also served as the Director QEC, Secretary Board of Advanced Studies and Research (BOASAR), Postgraduate Advisor and Chairman Department of Chemical Engineering, UET Peshawar.

Expressing his views, Dr. Sahar Noor said that he would work for the benefits of students, faculty, and administration. He also thanked the Governor Khyber Pakhtunkhwa, Higher Education Department Government of Khyber Pakhtunkhwa for showing confidence in his capabilities.

Orientation Ceremony of IISE held

The orientation ceremony of the "Institute of Industrial and Systems Engineers (IISE) UET Peshawar Chapter was held on July 08, 2021. Prof. The Vice Chancellor, Dr. Iftikhar Hussain, was the chief guest on the occasion. The Vice Chancellor said, IISE is the world's largest professional society aimed to support the profession and provide leadership for the application, education, training, research, and development of industrial and systems engineering at international and regional levels. He urged the IISE cabinet to support the profession of industrial and systems engineering and promote an increased awareness of industrial and systems engineers in Pakistan. The Vice Chancellor appreciated the efforts of previous cabinet of IISE and hoped that the new cabinet will work tirelessly for the well being and promotion of industrial engineers.

Engr. Khawar Naeem, Faculty Advisor / Patron IISE said the benefits of IISE include creating job opportunities and building professional attitude in youth. He said, IISE also has the privilege to establish "Women in Industrial Engineering (WIIE) wing which is aimed to empower women engineers in their respective fields. He congratulated the newly elected cabinet members including Mr. Zuhair Fayaz, president, Mr. Shahkar Khan, Vice president, Ms. Najwa Sajid, Chairperson WIIE Society, Uroosa Zaib, Deputy Chairperson WIIE Society, Mr. M. Shehryar Khan, General Secretary and others.

Prof. Dr. Misbah Ullah, Chairman, Department of Industrial Engineering presented the vote of thanks and later the IISE crest to the chief guest. Other officials of IISE also spoke on the occasion.

Prof. Dr. MA Irfan Awarded Association of Energy Engineers 2021 Regional Award

Prof. Dr. Mohammad Abdul Aziz Irfan, Professor Department of Mechanical Engineering, UET Peshawar has been awarded the Association of Energy Engineers AEE's 2021 Regional Award under the "Asia Sub-continent Region". Prof. Dr. Irfan has played a pioneering role in promoting the concept of energy efficiency in Pakistan. He was conferred with the award in recognition of his services in the category, "energy professional development". Prof. Dr. Irfan introduced the courses of Energy Efficiency and Energy Audits. He has established "Center for Industrial and Building Energy Audits." at UET Peshawar. Besides energy audits, the Center caters for Human Resource Development and has developed the first database of industrial energy consumption in Pakistan. He is a Certified Energy Manager (CEM) as well as a certified trainer for CEM in Pakistan.



The AEE is a non-profitable professional association of over 180000 members from across the world. This year AEE awarded 80 professionals in recognition of their dedicated efforts towards energy efficiency in their local settings.

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Training for Administrative Officers of UET Peshawar Held

UET Peshawar through the Continuing Engineering Education Center (CEEC) conducted five days training for the Administrative Officers which was concluded on October 25, 2021. The objective of training was to give detailed orientation to the senior administrative officers on University Act, Statutes and related issues required for understanding as part of their public service. Registrar Dr. Khizar Azam inaugurated the opening session while Prof. Dr. Sahar Noor Dean Faculty of Mechanical, Chemical & Industrial Engineering was the Chief Guest on the closing session. He also distributed certificates to the participants.

Prof. Dr. Riaz Akbar Shah, Director CEEC appreciated Prof. Dr. Abdul Shakoor and Dr. Nasir Ahmad for giving a detailed training to the officers. Senior officers from P&D, Law Office, Audit, Accounts, Budget Section, Directorate of Sports, Directorate of Works and Directorate of Media attended the training.



Orientation Ceremony for Afghan National Students

The Orientation Ceremony for the Afghan National Students enrolled for ZERO SEMESTER at UET Peshawar was held on August 11, 2021. The Government of Khyber Pakhtunkhwa has announced to set up a dedicated sub-campus of UET Peshawar to facilitate the Afghan National students in pursuance of engineering education. This was stated by Mr. Kamran Bangash, Special Assistant to the Chief Minister Khyber Pakhtunkhwa for Higher Education who was the chief guest on the occasion. He said, Pakistan and Afghanistan have brotherly relations and both the neighboring countries have same religion, history, culture and borders. Despite the fact, International powers and Internal elements have been instilling negative propaganda in the peoples of both countries to disturb the bilateral relations, Pakistan only wants peace in Afghanistan. He said, the Government of Khyber Pakhtunkhwa is cognizant of the issues of Afghan students studying in Pakistani universities, especially Khyber Pakhtunkhwa, adding, it

is on special directives of Prime Minister of Pakistan Imran Khan that we are offering massive support to the Afghan students through scholarships and equal academic facilities like Pakistani students, said Bangash.

Vice Chancellor Prof. Dr. Iftikhar Hussain welcomed the Afghan students to UET Peshawar. He said, in total 175 students have been enrolled to the Zero Semester course who will apply to different universities after receiving foundation level trainings for two months. In addition to this, 132 Afghan national students are already studying at UET Peshawar at various undergraduate and postgraduate programs. He said, the Government of Pakistan is offering scholarships to Afghan youth through the Higher Education Commission (HEC) for their capacity building through imparting quality education to 3000 scholars in various fields including medicine, engineering, agriculture, and management and computer science etc. He said, the aim of this scheme is to strengthen bilateral relationship between Pakistan and

Afghanistan, further it will enhance people to people contacts between both neighboring states. He said, out of 25000 Afghan candidates only 3000 have qualified the entrance test and sent to Pakistan for pursuing higher education in Pakistan. As many as 1000 Afghan students have been enrolled for "ZERO SEMESTER" at various public sector universities in Khyber Pakhtunkhwa.

Prof. Dr. Misbah Focal Person for Afghan National Students said, the zero semester consists of basic level training in Physics, Chemistry, English and Mathematics so that they are eligible to apply in their fields of interest for universities. He said, 3000 Afghan Scholarship covers living allowance, book allowance, and hostel dues & university tuition fee.

Later, an Afghan student also expressed his gratitude to UET Peshawar and the Government of Pakistan for providing free best residential services and teaching support to the Afghan students.



Cheque Distribution Ceremony "Ihsas Undergraduate Scholarship Program" Held

UET Peshawar arranged cheque distribution ceremonies for the "Ihsas Undergraduate Scholarships Program" on June 09, 2021 and August 06, 2021 respectively. At present, 604 scholarships have been awarded to the deserving students under the Prime Minister's "Ihsas Undergraduate Scholarships program". The Vice Chancellor Prof. Dr. Iftikhar Hussain gave away the scholarships in presence of senior faculty. He urged the recipients to work hard and get full benefit from the scholarships.

He appreciated the efforts of Dr. Gulzar Ahmad, Director, Students Affairs, Miss Farhkhand Suleman Additional Director Accounts, Mr. Shah Tamas, Deputy Director Scholarships, Mr. Yaseen Khan, Establishment Officer and other officials.



1st International virtual conference on “Recent Advances in Civil and Earthquake Engineering

The first one-day International virtual conference on "Recent Advances in Civil and Earthquake Engineering (ICCEE-2021) "Making Resilient Infrastructures" was October 08, 2021. The Department of Civil Engineering, UET Peshawar organized the conference under the supervision of Prof. Dr. Muhammad Irshad, Chairman Civil Engineering. The Vice Chancellor UET Peshawar Prof. Dr. Iftikhar Hussain was the chief guest at the inaugural session.

Prof. Dr. Iftikhar Hussain in his address said, UET Peshawar is privileged to actively contributing in developing the National Building Code of Pakistan in 2007 and establishing the standards in coordination with Government authorities. Presently, UET Peshawar is actively involved in developing the Building Code of Pakistan (2021) and produced the seismic zoning map for Pakistan for the upcoming new code. He appreciated the efforts of Prof. Dr. Muhammad Irshad for making concerted efforts in conducting the conference that is aimed to focus on current research and best practices in the areas of seismology and earthquake engineering, structural engineering, geotechnical engineering, transportation Engineering, water resources engineering, environmental engineering, civil engineering materials and infrastructure engineering.

Prof. Dr. Muhammad Irshad briefed the participants on the objectives of conference

with special focus on 8th October 2005 earthquake that caused a colossal damage to the infrastructure and human lives in Pakistan. He said, the Department of Civil Engineering has been very active in multiple directions to serve the country from developing seismic based building codes for Pakistan, to applied research targeted towards earthquake resistant designs with aim to build safe structures in Pakistan. The conference brought together leading academic scientists and researchers to share views on lat-

UET Peshawar is privileged to actively contributing in developing the National Building Code of Pakistan in 2007 and establishing the standards in coordination with Government authorities. Presently, UET Peshawar is actively involved in developing the Building Code of Pakistan (2021) and produced the seismic zoning map for Pakistan for the upcoming new code.

Prof. Dr. Iftikhar Hussain, VC UET

est trends and practical challenges in the field of civil engineering. Prof. Dr. Tim Sullivan from University of Canterbury, New Zealand and Dr. Ketrin Beyer from EPFL Switzerland spoke in the opening session and emphasized on application of modern design methods to control risk and urged the civil engineers to communicate the solutions with regard to earthquakes risks in future for disaster-resilient societies. Several other speakers from Italy, Canada, Switzerland, USA, New Zealand, Australia, China, Hong

Kong, and Japan also spoke in seven parallel sessions during the conference.

The following researchers delivered their keynote talks during the seven (07) sessions of the conference: Prof. Dr. Tim Sullivan (Professor, University of Canterbury, New Zealand), Dr. Ketrin Beyer (Associate Professor, EPFL Zurich, Switzerland), Prof. Dr. Luc E Chouinard (Professor, McGill University, Montreal, Quebec, Canada), Dr. Mostafa Masoudi (Assistant Professor, K N Toosi University of Technology, Tehran, Iran), Prof. Dr. Enrico Spacone (Prof. of Structural Engineering, Università di Chieti Pescara, Italy), Jitendra Bothara (University of Auckland, New Zealand), Prof. Zhong-qi Quentin YUE (Professor, University of Hongkong, Hongkong), Dr. Kiyota Takashi (Associate Professor, University of Tokyo, Japan), Dr. Bruno Briseghella (Professor, Fuzhou University, China), Dr. James Grenfell (Senior Pavement Engineer, Australian Road Research Board), Prof. Dr. Shahria Alam (Professor, The University of British Columbia, Canada) and Prof. Dr. Asim Zia (Professor, The University of Vermont, Burlington, USA).

Prof. Dr. Siraj-ul-Islam, Dean Faculty of Architecture and Allied Science, Prof. Dr. Misbah Ullah, Treasurer, Prof. Dr. Amjad Naseer, Prof. Dr. Khan Shahzada, Prof. Dr. Rawid Khan, Prof. Dr. Muhammad Ashraf, Dr. Naveed Ahmad (Civil Engineering Department) and other senior officials were also present on the occasion.

International Conference on “Sustainable Energy Technologies

The 3rd international conference on sustainable energy technologies was held online at the Center for Advanced studies in Energy, UET Peshawar. The theme of the conference was "Energy for Sustainable Development".

Prof. Dr. Iftikhar Hussain, Vice Chancellor appreciated the approach for "Going Green" during the COVID-19 pandemic. The Guest speaker included Prof. Dr. Clark Miller from Arizona State University, USA where he talked about Energy - Poverty Nexus. Other keynote speakers included Dr. Asif Mehmood from the University of Sydney, Australia and Dr. Faisal Asfand from University of Huddersfield, UK who spoke about the Advances in Battery Technology and Thermal Technologies, respectively. In total, 70 papers were presented in the conference.

Seminar on “Awareness against harassment at workplace” held

An awareness seminar against harassment at workplace was held on November 23, 2021 at Video Conference Hall, UET Peshawar. Ms. Kashmala Khan, Federal Ombudsmen, Federal Ombudsmen Secretariat for Protection against Harassment (FOSPAH) was the chief guest on the occasion. The objective of the seminar was to create awareness among the youth regarding harassment especially women which is increasing with every passing year. The event was attended by a large number of students and staff.

Ms. Kashmala Khan said, FOSPAH was established in 2010 and have worked a lot in the field through online complaint regis-

tration. She informed the audience on how to approach FOSPAH for protection in case women face harassment at workplaces. She said FOSPAH is aimed to protect women that they could work without any fear, adding, “that all of us have to stand up, speak up against harassment”. She urged the students to get rid of fear and know their rights while working with men. She said, FOSPAH will ensure that women get justice provided that they are aware which institutions are to be approached for reporting. She urged the need to have harassment committee at universities so that matters for timely solution of cases, adding, FOSPAH assures to extend free

legal counseling support and register appeals. The Regional Commissioner, Peshawar Rubab Mehdi in her address said, the harassment cases have tripled in the present tenure, however property rights and financial empowerment for women are the focal areas for FOSPAH.

Vice Chancellor, Prof. Dr. Iftikhar Hussain said UET Peshawar has established proper grievance redressal system for any such case. The Harassment and Discipline Committees have women representation which makes it easier for female students to share their issues and deal the matters on time.



Speakers call for application of Artificial Intelligence for effective disaster management

A one-day workshop on "Innovative Solutions for Disaster Management" was held on November 16, 2021. The workshop was organized by the National Center for Artificial Intelligence (NCAI), UET Peshawar under the supervision of Dr. Gul Muhammad Khan, Project Director. The Vice Chancellor, Prof. Dr. Iftikhar Hussain was the chief guest on the occasion.

Prof. Dr. Iftikhar Hussain expressed his satisfaction over the performance of UET Peshawar's Center of Artificial Intelligence working as Partner University of the National Center for Artificial Intelligence in respective fields. He assured all support from UET Peshawar in introducing AI solu-

tions for disaster management, adding, the Earthquake Engineering Center (EEC), UET Peshawar had also been instrumental in building the first ever National Seismic Code of Pakistan in 2007, and is central part in

revising the new seismic building code 2021. He appreciated the participation of representatives from various Govt. authorities including National Seismic Monitoring Center, Islamabad, Provincial Disaster Manage-



ment Authority, NDMA and Geology Department, University of Peshawar.

The objective of the workshop was to exchange information regarding disaster management and bring innovative solutions from the fields of Artificial Intelligence solutions for effective coordination and implementation of all measures to minimize the risks of natural disasters. The speakers

emphasized over increased public awareness campaigns and education to reduce loss of human lives and infrastructural damage from natural disasters; availability of scientific and research-based data, applied research in the field of AI and seismology through an inter-disciplinary approach and application of early warning system so that people should know in advance what specific preparations to make before an event.

The Speakers included Dr. Zahid Rafi, Director Seismic Division Islamabad, Mrs. Zohra Negar, Deputy Director PDMA, Mr. Alamzeb, Incharge Regional Center PMD, Dr. Khaista Rehman, Geology Department UOP, Prof. Dr. S. M. Ali, Director EEC UET Peshawar, Dr. Sohail Yousaf NCAI UET Peshawar, Kaleem Ullah NCAI and Engr. Mehreen, NCAI.

The Rehmat-ul-Alamin Week Held at UET Peshawar

The Rehmat-ul-Alamin Week was held at UET Peshawar from October 13 to October 19, 2021. Different competitions were conducted during the week including Naat and Quiz in honor of the Prophet Muhammad (PBUH). The faculty and students enthusiastically participated while a large number of people showed off to celebrate the week.

The Vice Chancellor Prof. Dr. Iftikhar Hussain said that the Holy Prophet (PBUH) is the great human being whose arrival brought spring in this world and ended the darkness of ignorance. He said, success in this world and in the hereafter could only be achieved by following Prophet (PBUH)'s teachings.

Prof. Dr. Qaiser Ali, Pro-Vice Chancellor also addressed on the occasion. He said that the Holy Prophet (PBUH) came as a mercy for all humanity. Practicing Sira-e-Taiba is the only way to success. Prizes and awards were also distributed among the participants of the various competitions at the closing ceremony of the event.



Anti-Corruption Week 2021

A one-day seminar regarding anti-corruption week was held on November 16, 2021. The Vice Chancellor, Prof. Dr. Iftikhar Hussain was the chief guest of the event. The event was organized by the Literary and Debating Society (LDS) in association with NAB Peshawar under the supervision of Dr. Samad Basir, Director Clubs & Societies. In the event, students also took part in different competitions.

The Vice Chancellor Prof. Dr. Iftikhar Hussain, Senior Dean Prof. Dr. Sehar Noor, Provost Prof. Dr. Afzal Khan, Chairman Department of Computer Systems Engineering Prof. Dr. Nasir Ahmed and Chief Proctor Prof. Dr. Abdul Shakoor addressed the participants. The speakers said, unfortunately Pakistan was also one of the corrupt countries in the world which created a negative image of our country. The speakers emphasized over different facets of corruption in

addition to financial corruption as neglecting one's duties also falls under the category of corruption while not paying the rights of others was also a form of corruption. The speakers said, Islam strictly forbids corruption in all forms. The teachings of Qur'an and hadiths must be followed to eradicate corruption from society. At the end, the Vice Chancellor distributed cash prizes and shields amongst the winners. In declamation contest, Mohammad Osama Jadoon won

first position; Mohammad Qasim got second and Mahnoor Rehman secured third position. In essay writing competition, Mohammad Shoab Khalid stood first, Abdullah Arshad second and Zia-ud-Din got third position. In poster competition, Syed Adeel Shah got first; Obaid-ur-Rahman second and Hira Ahmed got third position. Later, the Vice Chancellor gave away shields to the organizing team.



2nd Annual IEEE International Conference

The National Center for Cyber Security organized the 2nd annual IEEE international conference on Cyber Warfare and Security at PAFSOM Arena Islamabad held on November 23, 2021. The Cyber security lab of UET Peshawar under the supervision of Dr. Sadeeq Jan (Director NCCS-UETP) participated in various activities including exhibition of their developed security tools, technical workshops, panel discussions etc. A number of well-reputed national and international cyber security companies participated in the event.

Dr. Arif Alvi, president of Pakistan and Air Chief Marshal Zaheer Ahmed Babar Sidhu, Chief of the Air Staff PAF were the chief guests at the occasion. The inauguration ceremony of the National Cyber Security Academy was also held during the event.



E-Commerce “Challenges and Opportunities and its Impact on the Business World”

A one-day seminar on E-Commerce “Challenges and Opportunities and its Impact on the Business World” was held at the Video Conference Hall, UET Peshawar. The seminar was organized by the Office of Research Innovation and Commercialization (ORIC) UET Peshawar. The seminar was conducted by “BELIEVERS” Marketing Private Limited, while the Chief Guest of the seminar was Prof Dr. Amjad Ullah, Dean, Faculty of Electrical and Computer Engineering, UET Peshawar. The chief guest appreciated in organizing seminars in the



emerging fields of technology. The participants of the seminar were briefed on Amazon Overview, Business Models, Amazon Sales Capacity, Road Map to Success on Amazon and How to Become a Successful Virtual Assistant. Dr. Nasru Minallah, Director ORIC UET Peshawar, Dr. Samad Baseer, Director Clubs & Societies, Mr. Jalal CEO BELIEVERS (Pvt) Ltd., faculty members and students were also present on the occasion.

Mental Health Awareness

The students of Postgraduate Diploma in Clinical Psychology (PDCP), Department of Psychology, University of Peshawar conducted a seminar on “Mental Health Awareness” and “stress management” on November 24, 2021 at Video Conference Hall, UET Peshawar.

The speakers sensitized the students on identifying stress and different techniques to handle stress and provided in-depth understanding of clinical and counselling services offered at the Department of Psychology. Dr. Nasru Minallah Director ORIC UET Peshawar informed that both institutions have already signed the MoU with the objective to hold various outreach sessions improving interpersonal skills and stress management. Later, Dr. Shamaila Farooq Director Media UET Peshawar presented the closing remarks and urged the experts to continue holding such awareness sessions at UET Peshawar on mental, behavioral and emotional illness.

Ethical Hacking of Systems and Protection Techniques

A technical workshop on "Ethical Hacking of Systems and Protection Techniques" was arranged by the National Center for Cyber Security UET Peshawar (NCCS-UETP), on November 19, 2021 under the supervision of Dr. Sadeeq Jan, Project Director.

The aim of the workshop was to create awareness about the importance of cyber security, ethical hacking, live demonstration of attacks with interaction of audience, vulnerability exploitations and protection techniques. The speakers included Dr. Sadeeq Jan (Director NCCS-UETP), Mr. Mohammad and Mr. Obaidullah (Certified Ethical Hackers).

Calling All Startups

A one-day seminar on “CALLING ALL STARTUPS” was held at the Video Conference Hall, UET Peshawar on December 14, 2021. The seminar was organized by the Office of Research Innovation and Commercialization (ORIC) UET Peshawar in collaboration with “Durshal Incubation Center” a project of KPIT Board, Govt. of Khyber Pakhtunkhwa. The key note speakers of the seminar were Mr. Hanif, Project Coordinator and Mr. Fayaz, Assistant Coordinator Durshal who briefed the audience about Durshal Incubation Center, how to be a part of Durshal Program, eligibility and selection criteria and form filling. They also shared success stories of Durshal program and its impacts with the participants. The seminar was attended by officials of UET Peshawar and Durshal Incubations Center, a large number of students and faculty members.



MoU with Xypher Technologies, Islamabad

The Advanced Robotics and Automation Lab (ARAL), UET Peshawar and the Xypher Technologies, Islamabad signed a MoU on April 08 2021 to collaborate in the fields of Smart Agriculture and Artificial Intelligence (AI). The MoU was signed by Prof. Dr. Tahir Khan, Director National Center in Robotics and Automation and Mr. Faisal Yaseen, CEO Xypher Technologies, Islamabad in the presence of Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar and senior officials.

The ARAL and Xypher will work together in the fields of smart agriculture and precision farming by applying AI. Mr. Faisal Yaseen, CEO Xypher Technologies said that Xypher Technologies has already produced a first of its kind product, Block TrEx which is a food traceability application relevant for food value chain industry. Xyphers is

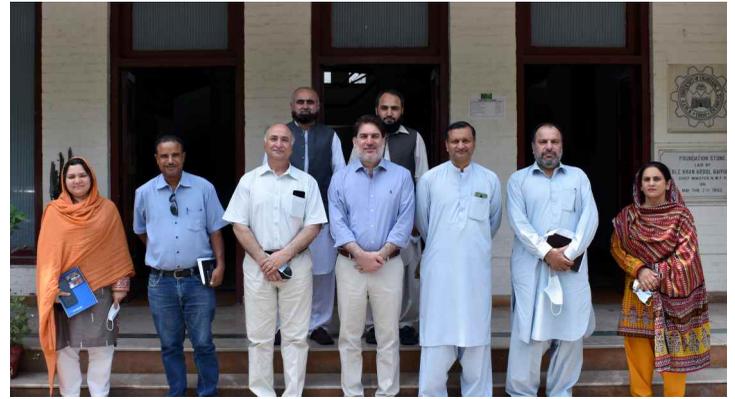


already working in seven districts including D.I Khan, Manshera, Chakwal and Sindh etc and providing services to the farmers and producers. He further said, this product will help the farmers to keep record of their activities in relevant fields while embedding the IoT and AI are the key common areas where UET Peshawar and Xypher Technologies would work together in Agricultural Sector such as agricultural sensing towers, agricultural drones and livestock technologies.

MoU with the Ministry of SAFRON and UNHCR RAHA

UET Peshawar and the Ministry of SAFRON and UNHCR RAHA (Refugee-Affected and Hosting Areas) Program will work jointly for the development and capacity building of Afghan refugees students enrolled at UET Peshawar. In a high-level meeting held on May 04, 2021, the discussion was also held on matters of mutual interest including the PC-1 submitted in the context of a MoU signed earlier between UET Peshawar and UNHCR to renovate and rehabilitate the infrastructure of major engineering departments and laboratories; to increase access for the Afghan refugees to UET's academic programs and design vocational training courses for enrolled Afghan refugees.

Mr. Shaferaw, Program Officer UNHCR said UET Peshawar as a public sector university has enrolled a significant number of Afghan refugee students at its Undergraduate engineering programs that will help them get quality education as well as develop their skills. As part of MoU, he said, UNHCR will soon conduct the technical review of PC 1 and visit the buildings that are to be renovated while UET Peshawar will also engage the Afghan students for short technical



courses, identify the scholarships and increase the seats for Afghan refugees in future. Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar appreciated the UNHCR team for joint collaboration and agreed to look into the possibilities for outreach programs and considering the request for a discount in tuition fees for Afghan refugees under its self-finance programs.

Ms Laila Mukaram, Program Associate, UNCHR, Mr. Fakhr-e-Alam, Chief Coordinator RAHA, CAR, Mr. Tahir Khan, Coordinator, RAHA CAR, Prof. Dr. Rawid Khan, Director Postgraduate Studies, Prof. Dr. Misbah Ullah, Treasure and Prof. Dr. Tahir Khan, Chairman Department of Mechatronics Engineering UET Peshawar were also present on the occasion.

MoU with Agriculture University Peshawar

UET Peshawar and the University of Agriculture, Peshawar inked a Memorandum of Understanding on February 11, 2021. The objective of MoU was to work together for mutual benefits in the field of "Artificial Intelligence intervention in Smart Environment and its impact on human and crop health and other fields in future". The MoU was signed by Dr. Gul Muhammad, Director National Center for Artificial Intelligence (NCAI) and Dr. Anwar Ali Shad, Chairman Agriculture Chemistry Department, Agriculture University, Peshawar.

Addressing on this occasion, Prof. Dr. Iftikhar Hussain said that UET Peshawar aim is to provide intelligent and sustainable solutions in smart environment, sustainable agriculture and resilient communities. He further added that our agreement with Agriculture University is aligns with our objectives, as together, we can make the agriculture sector more sustainable by using Artificial Intelligence (AI), and Artificial Agriculture which will help agriculture sector to increase production, reduce costs and improve returns.



Prof. Dr. Said Wahab, Pro-VC Agriculture University said that this venture will help us collaborate in the direction to cope with climate change, food security, malnutrition and agriculture development through AI. Artificial Intelligence is the cry of the day that will equip traditional farming systems, he added.

Dr. Gul Muhammad, Director NCAI, gave away a brief presentation on AI and Smart and artificial Agriculture and highlighted the significance of the MoU. He said that through this MoU, NCAI UET Peshawar will provide technical support to Agriculture University projects to enhance crop growth and production. He thanked the management of Agriculture University and specially Dr. Numan Khan for their cooperation and Dr. Tariq Khalil, Manager ORIC, UET Peshawar for arranging the MoU.

Prof. Dr. M.A Irfan, former Dean, Faculty of Mechanical, Prof. Dr. Amjadullah, Dean Faculty of Electrical, Prof. Dr. Siraj-ul-Islam, Dean, Faculty of Architecture and Allied Sciences, Dr. Khizar Azam Khan, Registrar UET, Prof. Dr. Misbah Ullah, Treasurer and other officials from UET and Agriculture University were also present on the occasion.

MoU with PEDO

UET Peshawar and Pakhtunkhwa Energy Development Organization (PEDO) signed a MoU at PEDO office on July 14, 2021. The MoU was signed by the Vice Chancellor, UET Peshawar Prof. Dr. Iftikhar Hussain and Engr. Qazi Muhammad Naeem, Chief Executive Officer PEDO.

The Purpose of MoU is to jointly collaborate to offer International standard quality testing of solar panels to the Government of Khyber Pakhtunkhwa. For this purpose, UET Peshawar will provide the quality testing services for PV panels through the Solar Technology Centre (STC) at the Center for Advanced Studies in Energy, (CAS-E), UET Peshawar. The STC follows international standards through upto date equipment and trained human resource who assist the industry in the assessment of PV panels. ORIC UET Peshawar will ensure com-



pliance over decided terms and conditions of MoU.

The parties also agreed to conduct capacity building trainings for students and staff involved in the Operation & Maintenance (O&M), planning, implementation, monitoring & evaluation of the renewable energy projects.

MoU with Department of Agriculture

UET Peshawar and the Department of Agriculture and Live, Peshawar inked a Memorandum of Understanding on November 15, 2021. The aim of the MoU was to establish the first Veterinary and

Animal Sciences University in Peshawar which will benefit the youth of the province and will be useful for agriculture, livestock, fisheries as well as farmers and livestock.

The agreement was signed by Dr. Alam Zeb, Project Director, Department of Veterinary & Animal Sciences, Department of Agriculture and Livestock, Khyber Pakhtunkhwa and Prof. Dr. Bashir Alam, Director Planning and Development, University of Engineering and Technology, Peshawar. According to the MoU, UET will prepare the master plan of Veterinary University Swat, besides designing and supervising its construction. Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar and Prof. Dr. Tahir Khan, Chairman, Department of Mechatronics Engineering and other senior officials of UET and Livestock Department, Khyber Pakhtunkhwa were also present on the occasion.



MoU with PVERCRAFT (Pvt) Ltd.

UET Peshawar and PAVERCRAFT (Pvt) Ltd., Adamzai Nowshera entered into a collaboration for joint applied research on August 03, 2021. Prof. Dr. Khan Shahzada on behalf of UET Peshawar and Mr. Shahab Khattak CEO, PAVERCRAFT (Pvt) Ltd. signed the MoU here today. The purpose of MOU is to bring academia industry together to create industrial development that leads to environmental friendly product development in pavement industry. The Vice chancellor said, UET Peshawar is actively involved in bridging with industry as almost 58 percent of the collaborations are signed with local companies organized by ORIC.

Prof. Dr. Khan Shahzada, Professor Department of Civil Engineering, UET Peshawar made a presentation on "Green Revolution in Pavement Industry". He explained in detail how UET Peshawar is supporting PAVERCRAFT Ltd. through M.Sc. research on optimization of tuff tiles and reducing weight of concrete bricks while its National Institute of Urban Infrastructure Planning (NIUIP) that will further lead to the commercialization of tuff tiles and fly ash.



MoU with University of Swat

An MoU between UET Peshawar and University of Swat was signed on August 20, 2021. The MoU is aimed to cooperate for training and promotion of research and development generally between the University of Swat and UET Peshawar. Prof. Dr. Muhammad Jamal Khan Vice Chancellor University of Swat and Prof. Dr. Iftikhar Hussain, Vice Chancellor, UET Peshawar signed the MoU. The Vice Chancellors discussed the possibilities for collaboration to uplift the mineral sector and the health and safety of coal mine workers. A strategy was chalked, to work in phases, where the heads of the institute acknowledged the strengths of UET Peshawar in the following areas of safety trainings of coal mine workers, Gems identification, cutting and polishing and R&D work in terms of AI applications and robotics in the Mining and Mineral Sector.

Later on, Prof. Dr. Muhammad Jamal Khan, VC University of Swat visited Gems and Jewellery Centre of Excellence and Mining Engineering Department, UET Peshawar. The visitors reiterated collaborating on these strengths towards a better mine worker and contributing to the mineral sector. Dr. Nasru Minallah, Director, Prof. Dr. Misbah Ullah, Treasurer, Dr. Khan Muhammad, Director Gems & Jewellery Center of Excellence and others were also present on occasion.



MoU with IdeaGist ink MoU

UET Peshawar entered into collaboration with IdeaGist, the world's largest incubator on September 15, 2021. Dr. Nasru Minallah Director Office of Research Innovation and Commercialization (ORIC) and Hassan Syed, CEO IdeaGist signed the MoU in presence of senior officials of UET Peshawar and IdeaGist. The MoU is aimed to build capacity of Final Year students in developing their start-ups through innovative ideas in their respective fields.

Hassan Syed said, the initiative is focused at promoting the PM's start-up programme "Kamyab Jawan" for developing a holistic entrepreneurship ecosystem for youth. He said, IdeaGist is the world's leading digital incubators which will offer free of cost online entrepreneurship trainings and networking opportunities to the final year students of UET Peshawar. He said, innovation cannot be done without collaboration and that is the reason we have already collaborated with 100 universities and adding more to promote an entrepreneurial culture and self-sustainable businesses for the students. He said, an online portal has been shared with the students to connect with the online community and industrial experts to encourage collaboration in developing innovation based startups.

The Vice chancellor Prof. Dr. Iftikhar Hussain said, UET Peshawar is actively involved in bridging with industry. He also urged the UET



Peshawar's Technology Incubation Center's team to get connected with the IdeaGist team for conducting joint workshops and initiate mentoring and process guidelines to the students who are to start their small ventures.

Dr. Nasru Minallah said IdeaGist would help the faculty and students participate in the National Ideas Bank for which UET Peshawar will be the hub for Peshawar region. This platform would enable them in showcasing their start-ups and getting investment for it, he added. Under the MoU, he said, IdeaGist also conducted two free International certified trainings on "Emerging Technologies and "Intellectual Property Commercialization" for the faculty and the students.

Prof. Dr. Hamidullah, Director Undergraduate Studies, Prof. Dr. Syed Riaz Akbar Shah, Director TIC, Dr. Khizar Azam Khan, Registrar, Dr. Shamaila Farooq, Director Media, Dr. Tariq Mahmood Khalil, Manager ORIC and others were also present on the occasion.

MoU with Elementary and Secondary Education Department Khyber Pakhtunkhwa

UET Peshawar and Elementary and Secondary Education Department (E&SED) Government of Khyber Pakhtunkhwa entered into a collaboration on September 20, 2021 to carry out the structural health assessment of various schools /buildings in different districts of the province. Prof. Dr. Iftikhar Hussain, Vice Chancellor and Secretary E&SED Mr. Muhammad Yahya Akhunzada signed the MoU the other day at the E&SED Civil Secretariat Khyber Pakhtunkhwa.

Under the MoU, UET Peshawar will use innovative techniques, in accordance with the international codes, standards and specifications, primarily including Rapid Visual Screening (RVS), evaluating the seismic safety of a large inventory of buildings quickly and inexpensively, with minimum access to the buildings, and Detailed Structural Health Assessment (SHA), evaluating the seismic safety of buildings using visual condition assessment, performing field and laboratory tests and carrying out finite element analysis of the build-



ing. The E&SED will provide the finances within the mandate of project.

Pro-VC Prof. Dr. Qaisar Ali has been nominated as focal person on behalf of UET Peshawar. He said, the purpose of MOU is to bring academia and the government together to take measured decisions regarding demolition and/or reconstruction of school buildings by saving huge amount of public funds. "Every year a number of public buildings are demolished and reconstructed without going into their scientific structural evaluation that results in huge economic loss and waste of material resources. For the purpose of evaluating the merits of building demolition", he added, "the Civil Engineering experts of UET Peshawar are fully capable to help the Government of KP to achieve sustainable development in government projects".

MoU with PCST & SI

The UET Peshawar and Peshawar Chamber of Small Traders & Small Industry (PCST & SI) signed a MoU on September 2, 2021 to extend cooperation to foster industry-academia linkages. Prof. Dr. Qaisar Ali Pro-Vice Chancellor, UET Peshawar and President PCST & SI Mr. Muhammad Adnan Jalil signed the MoU. According to MoU, both sides will work together to promote research culture in industry to boost industrialization in KP and produce demand-driven graduates for the industry. Both UET and PCST & SI agreed to cooperate for holding vocational and skills development programs for promotion of entrepreneurship.

Prof. Dr. Qaisar Ali stressed the need for joint efforts to promote industrial linkages and to enhance mutual collaboration. He called upon the PCST & SI to identify projects in the industries first so that University students would take up those problems as part of their final year projects to help solve the real life issues instead of theoretical knowledge. He appreciated the new understanding and asked Director Office of Research Innovation and Commercialization (ORIC) Director ORIC Dr. Nasru Minalullah to arrange students' visits to the PCST & SI.

Mr. Adnan Jalil expressed great interest at the UET Peshawar's Center of Artificial Intelligence, other state-of-the-art research and the Technology Incubation Center (TIC). He vowed to work for mutual beneficial initiatives such as internships and joint projects between the Industrial sectors and offered to nominate Industrialists for relevant Industrial Advisory Boards at respective departments of UET Peshawar. He proposed the idea to hold an interactive seminar and Open House where both UET Peshawar researchers, members from PCST&SI and other Chambers alongwith leading industrialists will sit together and exchange ideas for practical projects.

Dr. Nasru Minalullah, Director ORIC while speaking on the occasion said that both institutions will hold conferences, workshops, semi-



nars, research projects with PCST&SI under the MOU. Meanwhile, discussion also identified the prospects of the UET Peshawar's memberships on different set of committees at the PCST&SI to which both parties agreed.

MoU with University of Sialkot

UET Peshawar entered into collaboration with University of Sialkot on September 23, 2021. The Vice chancellor UET Peshawar Prof. Dr. Iftikhar Hussain and Dr. Nadeem Ahmad Chaudhry, Pro-Vice Chancellor University of Sialkot signed the MoU.

Vice Chancellor Prof. Dr. Iftikhar Hussain said, in present times, collaborative activities are critical for driving advanced industrial development. If university researchers and practitioners join hands together, they create insights for practical approaches for solving



societal problems. And, it is our main objective for signing the agreement to accomplish academic excellence and strengthen collaborations on R&D programs with University of Sialkot. Under the MoU, UET Peshawar through ORIC will strengthen ORIC of USKT and provide a platform to the faculty and students for joint research work in laboratories and conduct applied Industrial projects.

Dr. Nadeem Ahmad Chaudhry, Pro-VC USKT said, USKT was established in 2018, and currently offering eleven degree programs through eight faculties. He said, this joint initiative is focused at promoting the University to University partnership to work with local industry and conduct joint research projects in the engineering fields. Having rich industrial base in Sialkot, we can offer innovative solutions to local problems by taking advantage of UET Peshawar's best faculty and state-of-the-art laboratories. USKT attaches greater value to promote an entrepreneurial culture in students and want to make them adopt self-sustainable businesses. He said, an e-commerce will be the future in Sialkot and the Artificial Intelligence Center of UET Peshawar would help out to introduce novel concepts to the students of USKT. Mr. Rahmatullah Advisor ORIC USKT also presented the ideas for upcoming joint projects with UET Peshawar.

Dr. Nasru Minallah said UET Peshawar would help the faculty and students from USKT to participate in the National Ideas Bank for which UET Peshawar will be the hub for Peshawar region. Prof. Dr. Sahar Noor, Dean Faculty of Mechanical Engineering, Prof. Dr. Syed Riaz Akbar Shah, Director TIC, Prof. Dr. Zia-Ul-Haq, Chairman Agricultural Engineering, Prof. Dr. Saeed Gul, Director CDC, Dr. Shamaila Farooq, Director Media, Dr. Tariq Mahmood Khalil, Manager ORIC and others were also present on the occasion.

MoU with SIMBRI Construction Solutions Lahore

UET Peshawar and SIMBRI Construction Solutions, Lahore (SCSL) entered into a collaboration for joint applied research in the development of sustainable construction materials on October 14, 2021. Prof. Dr. Khan Shahzada, Civil Engineering UET Peshawar and Mr. Syed Salman Al Hussainy, Chief Operation Officer SCSL signed the MoU the other day. The purpose of MoU is to coordinate efforts for new development for SCSL and in exchange, facilitating UET faculty and students in completion of research projects. SCSL will also provide its facilities to provide access to raw materials such as, fly ash, gypsum and cement etc to make innovative products for commercializing as well as offering internship opportunities to UET Peshawar's students.

Prof. Dr. Iftikhar Hussain said that UET Peshawar is a leading engineering university in KP and is doing significant work in the fields of civil engineering that leads to environmental friendly product development in construction industry. The Vice chancellor said, UET Peshawar is actively involved in bridging university with industry through its Office of Research Innovation and Commercialization (ORIC).

Mr. Syed Salman said SCSL believes in bringing corporate culture in construction industry and that is the main purpose of signing this MoU with UET Peshawar that will bring academia and practitioners at one platform in finding research-based solutions to bring innovation and sustainability to the construction industry. He said, SCSL has introduced SIMBRI fly ash bricks which are environment friendly and low cost products.

Earlier, Prof. Dr. Khan Shahzada gave a presentation on "Development of Sustainable Construction Materials in Pakistan". He explained in detail how UET Peshawar is supporting sustainable construction through state of the art research being carried out at the Civil Engineering Department.

Dr. Nasru Minallah, Director ORIC UET said, ORIC will continue bridging industry academia linkages and special preference will be given to local industry. Prof. Dr. Hamid Ullah Secretary BOASAR, Dr. Tariq Mahmood Khalil, Manager ORIC, Dr. Shamaila Farooq, Director Media and other senior officials from UET and SIMBRI Construction Solutions were also present on the occasion.



MoU with Foster Learning

UET Peshawar entered into collaboration with Foster Learning, a skill developing organization on October 26 2021. Dr. Saeed Gul Director Career Development Center and Hira Javed, Chief Operations Foster learning signed the Memorandum of Understanding in presence of



senior officials of UET Peshawar. The MoU is aimed to build capacity of the students in developing interpersonal and professional skills that will further help them in their start-ups and finding internship opportunities in respective fields.

Hira Javed said, Foster Learning is an education-technology platform, aimed to promote entrepreneurship and skills-based trainings to improve employability in Pakistan. Presently Foster Learning operates in 36 cities, offering online education and has partnered with leading public sector higher education institutions across Punjab and Khyber Pakhtunkhwa. She said, Foster Learning has introduced a two-month leadership program titled, "Foster Flagship Training Program (FFTP)" for which the applications are now open. The training program is recognized by the Pakistan Engineering Council and awards 1.0 CPD point to the successful students. It is focused on developing soft skills, essentially required to have successful career as a professional or as an entrepreneur. She further said, Foster Learning will also offer financial assistance to those students who are unable to pay the fee for the training program and ensured to engage these trained students to the relevant industry for internships. He said, an online portal will be shared on the sidelines with the students to connect with the online community and industrial experts to encourage collaboration in developing innovation based startups.

The Vice chancellor Prof. Dr. Iftikhar Hussain said, UET Peshawar is actively involved in bridging with industry and urged Dr. Saeed Gul to encourage the students to benefit from this Training Program. Prof Dr. Hamid Ullah Secretary BOASAR while appreciating the Foster training program stressed upon the need to ensure that the students should be able to demonstrate right knowledge, skills and abilities upon completion of FFTP. Dr. Saeed Gul said, Foster Learning would encourage the students from UET satellite campuses in Bannu and other regions to participate in the FFTP. This platform would enable them in enhancing their communication skills and critical thinking ability. Prof. Dr. Siraj-ul-Islam, Dean, Faculty of Architecture, Prof. Dr. Hamidullah, Secretary BOASAR, Dr. Khizar Azam Khan, Registrar, Prof. Dr. Misbah Ullah, Treasurer, Dr. Shamaila Farooq, Director Media, Dr. Nasuru Minallah, Director ORIC and others were also present on the occasion.

MoU with Khwendo Kor (KK)

UET Peshawar entered into collaboration with Khwendo Kor (KK), a non-profitable, non-governmental and non-partisan organization on December 24, 2021. Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar and Mr. Khalid Usman, Director Operations KK signed the MoU in presence of senior officials of UET Peshawar and Khwendo Kor. The MoU aims for women empowerment and to



encourage them to take active part after completing their education in the unrepresented sectors of Industry, technical field jobs, and business management.

The Vice chancellor UET Peshawar Prof. Dr. Iftikhar Hussain said, this is a very clear fact that women are in minority in STEM education although there is an increasing trend when compared with last decade's statistics. This prompted the university management interest to prepare the UET students to minimize the impact of obstacle that cause under representation of women in STEM jobs. He said UET Peshawar strongly believes in women empowerment. KK is presenting soft image of Pakistan to the world which appreciable, he added.

Mr. Khalid Usman, Director Operations Khwendo Kor thanked the vice chancellor and ORIC team for their cooperation. He said that Khwendo Kor is a non-profitable, non-governmental and non-partisan organization working since 1993. It was set up in response to an urgent need expressed by women for a forum to address their issues; it has developed into a sisterhood, guiding women to take practical steps for the betterment of themselves and their families. KK works in villages of Khyber Pakhtunkhwa and Newly Merged Districts (NMDs) where health, education and income generation facilities are either non-existent or dysfunctional and women and the poor are marginalized.

Earlier, Dr. Nasru Minallah, Director ORIC highlighted the importance of the MoU. He assured his full cooperation to provide service to KK for arranging seminars and other events at UET Peshawar.

Dr. Khizar Azam Khan, registrar UET Peshawar in his closing remarks said that unfortunately women discrimination exists throughout the world which needs to be addressed. He appreciated the efforts of KK in this regard. Islam also teach us about the women rights and gender equity, he added. He expressed his satisfaction that this MoU will help in benefiting our female student to get encouraged.

MoU with Department of Psychology, UoP

The UET Peshawar signed an MoU with Department of Psychology, University of Peshawar to collaborate and coordinate efforts that will help to improve the mental health and psychological behaviors of students, faculty member and officials of UET Peshawar on November 11, 2021.

Prof. Dr. Muhammad Idrees, Vice Chancellor UoP Peshawar and Prof. Dr. Iftikhar Hussain, Vice Chancellor UET signed the memorandum of understanding. According to MoU, both parties will share

the common interest and goal in reducing the stress of the students and staff. Both UET Peshawar and Psychology department agreed to assume the respective responsibilities.

Prof. Dr. Muhammad Idrees stressed the need for joint efforts to promote the greater campus and coordinate. while addressing the ceremony said the memorandum of understanding would lead to exchange collaboration in joint projects. He expressed his belief that academic collaboration can make an important contribution to enhancing higher education in countries like Pakistan if it is developed and delivered responsibly and effectively.

Prof. Dr. Iftikhar Hussain, Vice Chancellor said that this collaboration will help psychological counseling of students with anticipation that it will cope with school or community-related violence, accidents, and trauma,

He further added that Students have major concerns on their mind during incubation period at educational institutes and may interfere with success, happiness, and satisfaction in the life. When we think about students, their mind plays a major role in their academic success. Their mental balance is needed in many situations, such as family problems, homesickness, loneliness, and loss of motivation, so this MoU will meet the required challenges.

Prof. Dr. Erum Irshad, Chairperson Department of Psychology and focal person of the project added that we will provide Psychological Counselling and Psychotherapy services to the students, faculty members as it is a marvelous way to help people with a broad variety of mental illnesses and emotional difficulties. Also it can help eliminate or control troubling symptoms so a person can function better and can increase well-being and healing.

Prof. Dr. Siraj-Ul- Islam Dean, Faculty of Architectural and Applied Sciences UET, Prof. Dr. Yorid Ahsan Zia, Director P&D UoP, Engr. Athar Hussain Bangash and Director ORIC UET Dr. Nasruminallah also participated in the MoU signing ceremony.



MoU with UNHCR & Afghan Commissionerate

UET Peshawar, Commissionerate of Afghan Refugees and UNHCR signed the framework of Cooperation on February 03, 2021. Prof. Dr. Iftikhar Hussain VC UET Peshawar and Mr. Bernard Inkoom UNHCR Sub Office Peshawar signed the framework in presence of Mr. Abbass Khan Commissioner Afghan Refugees and senior officials of UET Peshawar. The framework is aimed to facilitate the access to academic programs and professional training courses for Afghan refugees from basic to advanced level trainings.

Engr. Sania Gul Successfully Defended her Ph.D

Engr. Sania Gul successfully defended her Ph.D from the Department of Electrical Engineering, UET Peshawar on January 19, 2021. Prof. Dr. Syed Waqar Shah, Chairman Department of Electrical Engineering was her Ph.D supervisor. The topic of her Ph.D thesis was "Spatial Cue Based Speech Separation, Dereverberation and Evaluation". She presented her research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee.

Engr. Azmat Ullah Successfully Defended his Ph.D Thesis

Engr. Azmat Ullah, Department of Civil Engineering, UET Peshawar successfully defended his Ph.D thesis on April 12, 2021. Prof. Dr. Khan Shahzada, Department of Civil Engineering was his Ph.D supervisor while Brig. Dr. Sarfaraz Ali, Ex-Dean, MCE Risalpur and Prof. Dr. Syed Muhammad Ali, Director Earthquake Engineering Center were his research Co-Supervisors while Prof. Dr. Shehzad Rehman and Dr. Sajjad Wali Khan, Associate Professor UET Jalozai Campus were also member of his REC. The topic of his Ph.D thesis was "Performance of dry stacked confined block masonry against blast loading".

Engr. Azmat Ullah presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Engr. Azmat Ullah, currently serving as Deputy Director in the department of C&W, while he has published five (05) research papers in impact factor national and international journals. A large number of faculty and students were present on the occasion.

Engr. Arbab Waseem Abbas Successfully defended his Ph.D Thesis

Engr. Arbab Waseem Abbas, Department of Computer Systems Engineering (DCSE) successfully defended his Ph.D thesis on May 6, 2021 in the Video Conference Hall, UET Peshawar. Dr. Safdar Nawaz Khan Marwat, Department of Computer Systems Engineering was his Ph.D supervisor. The topic of his Ph.D theses was "Cyber secured framework for control and monitoring of IoT devices in smart logistics".

Engr. Waseem presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Prof. Dr. Amjad Ullah, Dean Electrical, Prof. Dr. Laiq Hasan, Chairman DCSE, Dr. Samad Baseer, Director Clubs & Societies, faculty members and a large number of students were also present on the occasion.

Engr. Muhammad Aslam successfully defended his Ph.D Thesis

Engr. Muhammad Aslam, Department of Electrical Engineering, University of Engineering and Technology, Peshawar successfully defended his Ph.D thesis on June 17, 2021. Prof. Dr. Muhammad Naeem Arbab, former Dean, Faculty of Electrical & Computer Engineering, UET Peshawar was his Ph.D supervisor. The topic of his Ph.D thesis was "Methodology for fault detection and health monitoring of power transformers

Engr. Aslam presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Engr. Aslam is serving as a Lecturer in US-

Pakistan Center for Advanced Studies in Energy. Prof. Dr. Amjad Ullah, Dean, Faculty of Electrical and Computer Engineering and Prof. Dr. Syed Waqar Shah, Chairman Department of Electrical Engineering were also present on the occasion who congratulated Engr. Muhammad Aslam for his successful Ph.D defense.

Engr. Ruhul Amin successfully defended his Ph.D Thesis

Engr. Ruhul Amin, Lecturer Department of Electrical Engineering, UET Peshawar successfully defended his Ph.D thesis on June 14, 2021. Prof. Dr. Mohammad Inayatullah Khan Babar, Professor Department of Electrical Engineering (Vice Chancellor UET Taxila) was his Ph.D supervisor. The topic of his Ph.D thesis was "Location awareness in internet of underwater things (IoUT) using signal-of-opportunity approach".

Engr. Ruhul Amin presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Engr. Ruhul Amin is serving as a Lecturer in the Department of Electrical Engineering; he has published 04 research papers in Impact factor journals of international repute.

The REC members included Prof. Dr. Syed Riaz-ul-Hasnain, Department of Electronics Engineering, UET Abbottabad Campus, Dr. SM Majid Ashraf, Department of Electrical Engineering UET Peshawar, Dr. Sana-ul-Haq, Department of Electronics Engineering, University of Peshawar and Dr. Syed Muslim Shah, NESCOM, Islamabad.

Engr. M. Irshad Khan Successfully Defended his Ph.D thesis

Engr. Muhammad Irshad Khan, Department of Electrical Engineering, UET Peshawar successfully defended his Ph.D thesis on August 19, 2021. Dr. Irfan Khattak, Department of Electrical Engineering, UET Campus Kohat was his Ph.D supervisor. The topic of his Ph.D thesis was "Designing Mimo antennas with reduce coupling for ultra wide band applications with notched characteristics".

Engr. Muhammad Irshad presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Engr. Muhammad Irshad is currently serving as Lecturer in the department of Electrical Engineering Kohat Campus.

Engr. Waheed Gul Successfully Defended his Ph.D Thesis

Engr. Waheed Gul, Department of Mechatronics Engineering, UET Peshawar successfully defended his Ph.D thesis on September 6, 2021. Prof. Dr. Syed Riaz Akbar Shah, Department of Mechatronics Engineering was his Ph.D supervisor while Prof. Dr. Afzal Khan was his Co-Supervisor. The Research Evaluation Committee (REC) comprise of Dr. Kanwar Muhammad Suleman, Former Director Pakistan Forest Institute Peshawar, Dr. Izhar ul Haq, Department of Mechatronics Engineering and Dr. Amir Ullah, Islamia College University Peshawar. The topic of his Ph.D thesis was "Effect of the embedment of nano particles on the manufacturing process parameters and the mechanical properties of medium density fiberboard (MDF)".

Engr. Noman Ullah Successfully Defended his Ph.D Thesis

Engr. Noman Ullah, Department of Electrical Energy System Engineering, Center for Advanced Studies in Energy, UET Peshawar suc-

successfully defended his Ph.D thesis on September 27, 2021. Dr. Abdul Basit, Department of Electrical Energy System Engineering, CAS-E was his Ph.D supervisor while Former Dean, Faculty of Electrical & Computer Engineering, Prof. Dr. Naeem Arbab, Dr. Afaq Kamar, Center for Advanced Studies in Energy, Dr. Faisal Khan, Assistant Professor, COMSAT and Peer Aimal, Energy and Power Department KP were members of his REC. The topic of his Ph.D thesis was "Design analysis and optimization of three phase hybrid excited linear flux switching machine".

Engr. Waqar Ullah Successfully Defended his Ph.D Thesis

Engr. Waqar Ullah, Department of Industrial Engineering, UET Peshawar successfully defended his Ph.D thesis on September 30, 2021. Prof. Dr. Sahar Noor, Dean, Faculty of Mechanical, Chemical and Industrial Engineering was his Ph.D supervisor while Chairman Department of Industrial Engineering, Prof. Dr. Misbah Ullah, Dr. Rashid Rehan, Director, Institute of Urban Infrastructure and Planning, Dr. Akhtar Nawaz, Kahuta Research Laboratory, and Dr. Riaz Muhammad COMSAT University were members of his REC. The topic of his Ph.D thesis was "Development of framework for the evaluation of sustainability in residential buildings of Pakistan".

Engr. Junaid Bahadar Successfully Defended his Ph.D Thesis

Engr. Junaid Bahadar, Department of Electrical Engineering, UET Peshawar successfully defended his Ph.D thesis on October 4, 2021. Dr. Tariq Ullah Jan, Department of Electrical Engineering was his Ph.D supervisor. His REC comprise of Dr. Haseeb Zafar, Department of Electrical Engineering, Prof. Dr. Riaz ul Hasnain, Department of Electronics Engineering Abbottabad Campus, Dr. Muslim Shah, General Manager NESCOM and Dr. Sana-Ul-Haq, Department of Electronics University of Peshawar. The topic of his Ph.D thesis was "An adaptive approach for blind source separation, de-noising and de-reverberation of signals using statistical processing".

Engr. Khurram Sheraz Successfully Defended his Ph.D Thesis

Engr. Khurram Sheraz, Department of Agricultural Engineering, UET Peshawar successfully defended his Ph.D thesis on October 8, 2021. Prof. Dr. Taj Ali Khan, Chairman Department of Agricultural Engineering was his Ph.D supervisor while his REC comprise of Prof. Dr. Daulat Khan, former Professor Department of Agricultural Engineering, Department of Civil Engineering UET Peshawar, Dr. Mujahid Khan, Agriculture University Peshawar, Prof. Dr. Javaid Akhtar Tariq, and National Agriculture Research Center Islamabad Dr. Ghani Akbar. The topic of his Ph.D thesis was "Spectral investigation of Hydroclimatic changes using Hybrid nonparametric-wavelet transform method".

Engr. Khurram Sheraz presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Engr. Khurram Sheraz is currently serving as Lecture, Department of Agricultural Engineering UET Peshawar, while he has published nine (09) research papers in impact factor national and international journals.

Mr. Faheem Ullah Successfully Defended His Ph.D Thesis

Faheem Ullah, Department of Basic Sciences & Islamiyat, UET Peshawar successfully defended his Ph.D thesis on November 5, 2021. Dr. Noor Badshah, Department of Basic Sciences & Islamiyat was his Ph.D supervisor while Prof. Dean, Faculty of Architecture & Allied Sciences Prof. Dr. Siraj ul Islam, Dr. Nasru Minullah, Director

OERIC UET Peshawar, Chairman, Department of Mathematics, University of Peshawar Dr. Imran Aziz, and General Manager NESCOM, Dr. Baseer Ullah were members of his REC. The topic of his Ph.D thesis was "Segmentation of vector valued images Mathematical modeling and simulation".

Faheem Ullah presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Faheem Ullah is currently serving as Lecture Mathematics at Government College Peshawar.

Mr. Muhammad Taufeeq Successfully Defended his Ph.D Thesis

Muhammad Taufeeq, Department of Basic Sciences & Islamiyat, UET Peshawar successfully defended his Ph.D on November 24, 2021. Dr. Marjan-ud-Din, Department of Basic Sciences & Islamiyat was his Ph.D supervisor while his REC comprised of Prof. Dr. Amjad Ali, Chairman Department of Basic Science & Islamiyat, Dr. Shahid Maqsood, Chairman Department of Industrial Engineering UET Jaloza Campus, Dr. Arshad Ali, Department of Mathematics, Islamia College University Peshawar and Dr. Waheed-ur-Rehman, PCSIR Laboratories. The topic of his Ph.D thesis was "Approximation of fractional order differential and integral equations using integral transformations and methods".

Muhammad Taufeeq presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Muhammad Taufeeq is currently serving as Lecture Mathematics at UET Bannu Campus while he has published four research papers in reputed journals.

Ms. Mehnaz Successfully Defended her Ph.D Thesis

Ms. Mehnaz successfully defended her Ph.D from the Department of Basic Sciences & Islamiyat, UET Peshawar on November 24, 2021. Dr. Altaf Hussain, Department of Basic Sciences & Islamiyat was her Ph.D supervisor while Prof. Dr. Siraj-ul-Islam was her co-supervisor. Her Research Evaluation Committee was comprised of Prof. Dr. Feroz Shah, Department of Mechanical Engineering, Dr. Baseer Ullah, GM NESCOM and Dr. Arshad Ali, Department of Mathematics, Islamia College University Peshawar. The topic of her Ph.D thesis was "Meshless Simulation of Linear and Non-Linear Fractional Partial Differential Equations".

Ms. Mehnaz presented her research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Mehnza is currently serving as Lecture Mathematics at Shaheed Benazir Bhutto Women University, Peshawar.

Engr. Latif Jan Defended his Ph.D Thesis

The UET Peshawar, Ph.D Scholar Engr. Latif Jan defended his thesis by completing PhD research from Department of Electrical Engineering in a public seminar on December 29, 2021 in front of the Examination Committee in video conference hall UET Peshawar. The topic of his Ph.D research was "Ergodic Capacity for MIMO-RF OFDM and Outage-Error Rate Analysis using Hybrid MIMO-RF UOW Systems" and his Ph.D supervisor was Prof. Dr. Haseeb Zafar of Electrical Engineering while his Research Evaluation Committee included, Prof. Dr. Inayatullah Khan Babar, Department of Electrical Engineering UET Peshawar/ Vice Chancellor UET Taxila. Dr. Safdar Nawaz Marwat, Department of Computer System Engineering, Dr. Muhammad Asif, Department of Electronics, University of Peshawar and Dr.

Sahibzada Ali Mahmood, Chief Information Officer Khyber Pakhtunkhwa Economic Zone Development and Management Company. Prof. Dr. Iftikhar Hussain (Vice Chancellor UET Peshawar), Prof. Dr. Syed Waqar Shah, (Chairman Electrical Engineering, UET Peshawar and large number of audience including students and faculty were present on the occasion.

Engr. Irfan Ahmed Completed his PhD.

Engr. Irfan Ahmed, Department of Computer Systems Engineering successfully defended his Ph.D on December 31, 2021 in the video conference hall UET Peshawar. Dr. Aftab Khan, Department of Computer Systems Engineer was his Ph.D supervisor while his Research Elevation Committee included, Dr. Nasir Ahmed, Chairman, Department of Computer System Engineer, Dr. Saeed Fahad, Assistant Professor of the Department of Electoral Engineering Jaloza Campus, Dr Farmanullah, Assistant Professor, COMSATS Attock and Dr. Khalid Zakim, General Manager of Aeropon Complex Hassan Abdal. The topic of his Ph.D research was "Techniques for Efficient Signal Recovery Using Compressive Sensing".

Engr. Ammad Khalil Defended his Ph.D Thesis

Engr. Ammad Khalil, Department of Computer Systems Engineering successfully defended his Ph.D on July 16, 2021 in the video conference hall UET Peshawar. Dr. Nasru Minallah, Department of CS&IT was his Ph.D supervisor. The topic of his Ph.D research was "Iterative joint Source-and-channel coding aided video communication". Engr. Ammad presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Engr. Ammad Khalil is also serving as Lecturer at the department of Computer Systems Engineering.

Engr. Ghasan Husnain Successfully Defended his Ph.D Thesis

Engr. Ghasan Husnain, Department of Mechatronics Engineering successfully defended his Ph.D on June 24, 2021 in the video conference hall UET Peshawar. Dr. Shehzad Anwar, Department of Mechatronics Engineering was his Ph.D supervisor. The topic of his Ph.D research was "Bio inspired intelligent routing scheme for clustering in vehicular Ad-Hoc networking (Vanets)". Engr. Ghasan presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. He is also serving as Lecturer at the Department of Mechatronics Engineering.

Zaheer-u-Din Successfully Defended his Ph.D Thesis

Zaheer-ud-Din, Department of Basic Sciences & Islamiyat successfully defended his Ph.D on August 18, 2021. Prof. Dr. Siraj-ul-Islam, Dean faculty of Architecture and Allied Sciences was his Ph.D supervisor while his REC comprised of Dr. Noor Badshah, Department of Basic Science & Islamiyat, Dr. Nasir Ahmed, Chairman Department of Computer Systems Engineering, Dr. Baseer Ullah, NESCOM Islamabad, and Dr. Imran Aziz, Chairman Department of Mathematics, University of Peshawar. The topic of his Ph.D thesis was "Radial basis function collocation methods for oscillatory integral equations".

Zaheer presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee.

Engr. Irfan Jamil Successfully Defended his Ph.D Thesis

Engr. Irfan Jamil, Department of Civil Engineering, UET Peshawar successfully defended his Ph.D thesis on September 13, 2021. Prof. Dr.

Irshad Ahmad, Department of Civil Engineering was his Ph.D supervisor while Prof. Dr. Sahar Noor, Senior Dean UET Peshawar, Dr. Muhammad Safdar, Earthquake Engineering UET Peshawar, Dr. Qaisar Iqbal, Sarhad University Peshawar and Engr. Sohail Kibriya Vice President NESPAK were members of his REC. The topic of his Ph.D thesis was "Response of piled raft foundation: an experimental and numerical study".

Engr. Irfan Jamil presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. He is currently serving as Lecturer/Semester Coordinator at the Department of Civil Engineering, while he has published nine (09) research papers in impact factor national and international journals. A large number of faculty and students were present on the occasion.

Engr. Muniba Afaq Successfully Defended her Ph.D Thesis

Engr. Muniba Afaq, Department of Computer Systems Engineering successfully defended her Ph.D thesis on February 27, 2021. Dr. Nasru Minallah, Department of Computer Systems Engineering was her Ph.D supervisor. The topic of her Ph.D thesis was "Retrospective image registration for medical image analysis and diagnosis".

Engr. Muniba presented her research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. She is also serving as Lecture at the Department of Computer Systems Engineering, UET Peshawar.

Engr. Durr-e-Nayab, Muhamamd Ahsan and Mashood Ahmed Successfully Defended their Ph.D Thesis

Engr. Durr-e-Nayab, Department of Computer Systems Engineering successfully defended her Ph.D thesis on September 7, 2021. Dr. Haseeb Zafar, Department of Electrical Engineering was her Ph.D supervisor. Similarly Muhammad Ahsan and Masood Ahmed, Department of Basic Sciences and Islamiyat defended their Ph.D thesis on 6th September, 2021 in the Video Conference Hall, UET Peshawar. Dr. Altaf Hussain, Department of Basic Sciences and Prof. Dr. Siraj-ul-Islam, ,Dean Faculty of Architecture and Allied Sciences were their supervisors respectively.

They presented her research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee. Engr. Durr-e-Nayab is also serving as Lecturer at the Department of Computer Systems Engineering.

Engr. Abdul Basit and Engr. Nasir Saleem Successfully Defended their Ph.D Thesis

Engr. Abdul Basit, and Engr. Nasir Saleem completed their Ph.D from the Department of Electrical Engineering and successfully defended on May 21, 2021 at the Video Conference Hall, UET Peshawar. Dr. Muhamamd Irfan Khattak, Department of Electrical Engineering was their Ph.D supervisor. Their REC included Prof. Dr. Amjad Ullah, Dean Faculty of Electrical Engineering, Dr. Gulzar Ahmad, Department of Electrical Engineering, Dr. Yousaf Khan, Coordinator Kohat Campus, Dr. Faiz Ahmed and Dr. Muhammad Luqman.

They presented her research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee.

Meetings of Syndicate Held

The UET Peshawar's 122nd meeting of Syndicate was held on March 05, 2021 under the chairmanship of Vice Chancellor, Prof. Dr. Iftikhar Hussain. The single agenda item meeting was on implementation of the Higher Education Department (HED) Government of KP directives/recommendations for overcoming the rising financial deficit at University. The meeting agreed with the recommendations of HED and approved implementation of Medical Allowance and House Subsidy for University employees at the rates of provincial government. It was further decided that employees should avail the option of "Sihat Sahulat Card program" of the provincial government. In addition, proposals for generating own revenue by UET and dress code for the students and Teaching Faculty of UET Peshawar were also approved. The meeting was also attended by the representatives from HEC, Government of KP Higher Education Department, Finance and Establishment Departments. The 123rd and 124th meetings of the Syndicate were also held on June 10th, 2021 and September, 2021, 25 & 26 respectively.



37th Meeting of BOASAR Held

The 37th meeting of Board of Advanced Studies and Research (BOASAR) was held on April 29, 2021 with the Vice Chancellor Prof. Dr. Iftikhar Hussain in chair. Prof. Dr. Rizwan Gul, Secretary BOASAR presented the agenda items. The meeting recommended to facilitate the foreign students by relaxing the UET postgraduate admission criteria who are inducted through HEC and Foreign Office. The members vowed to facilitate the foreign students' especially Afghan students who show their interest in UET Peshawar's postgraduate programs. However, international students who apply directly to UET Peshawar will have to pass IELTS/TOEFL as per the approved admission policy.

The meeting also approved the HEC policy to extend the maximum duration of one year (2 semesters) for the M.Sc/M.Phil/Ph.D students who were near completion in Spring-2021 session but could not complete their studies in the wake of Covid-19 pandemic. The meeting also approved the minutes of 36th meeting of BOASAR held on August 12, 2020

The Vice Chancellor appreciated the efforts of Prof. Dr. Rizwan M. Gul, Secretary BOASAR for holding the BOASAR meetings which



shows the interest of academia in research and strengthening its postgraduate programs. The meeting was attended by Prof. Dr. M.A Irfan, Senior Dean, Prof. Dr. Amjad Ullah, Dean Faculty of Electrical and Computer, Prof. Dr. Siraj-ul-Islam, Dean, Faculty of Architecture, Allied Sciences and Humanities, Director Postgraduate Studies, Dr. Rawaid Khan, Prof. Dr. Misbah Ullah and Heads of departments.

78th Meeting of the Academic Council

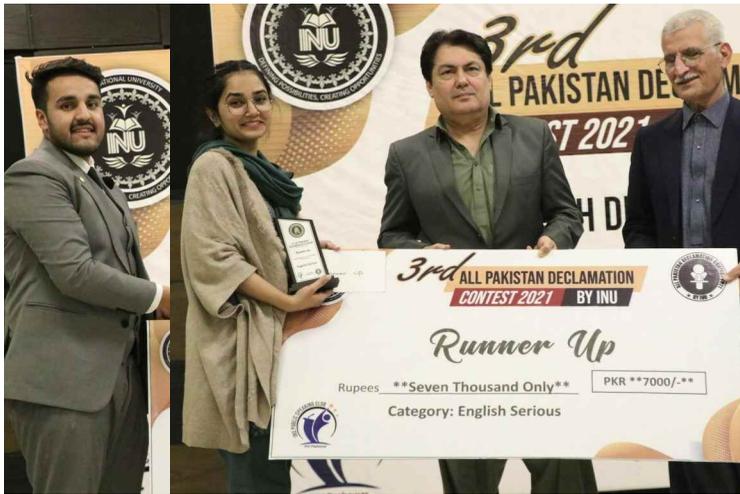
The 78th session/meeting of the UET Peshawar's Academic Council was held on 16th July, 2021 under the chairmanship of the Vice Chancellor Prof. Dr. Iftikhar Hussain. The meeting discussed the curriculum of Undergraduate and Postgraduate in detail and recommended to upgrade the curriculum based on Pakistan Engineering Council's guidelines. The meeting also approved the minutes of 77th meeting of Academic Council.

Prof. Dr. Qaisar Ali, Pro-Vice Chancellor, Prof. Dr. Sahar Noor, Dean, Faculty of Mechanical, Chemical and Industrial Engineering, Prof. Dr. Amjad Ullah, Dean Faculty of Electrical & Computer Engineering, Prof. Dr. Siraj-ul-Islam, Dean Faculty of Architecture & Allied Sciences, Chairmen of departments, Directors of Centers and Senior Faculty also attended the meeting.



All Pakistan Declamation Contest

All Pakistan Declamation Contest was held at Iqra National University Peshawar on December 28 & 29, 2021. A total of 130 participants took part representing renowned Institutions of Pakistan. Team from UET Peshawar took part and won the contest by securing major positions. Muhammad Osama Jadoon, 5th semester Mechanical Engineering Department clinched 2nd Position in "English Serious" Category while Mahnoor Rahman, 5th semester Civil Engineering Department stood 2nd in "English Humorous" Category. Barrister Saif Ali Khan' Special Advisor to CM KP and Vice Chancellor Iqra National University, Prof Dr. Shah Jehan Khan were the chief guests of the event. Osama Jadoon also won All Pakistan Declamation Contest held at Khyber Medical College in 2019 grabbing 1st position. Similarly both the participants were also the winners of the Declamation Contest of Anti Corruption week held recently.



Covid-19 Vaccination Drive

UET Peshawar in collaboration with Health Department Khyber Pakhtunkhwa arranged the Covid-19 vaccination drive on June 28, 2021 for the Employees and the Students. The Vice Chancellor Prof. Dr. Iftikhar Hussain has made all measures to expedite the process of vaccination on the guidelines of NOCS and HEC for prevention of Covid-19.

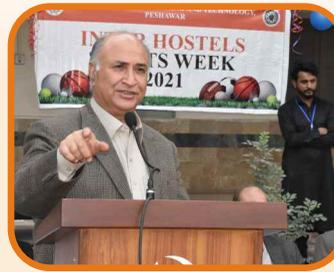
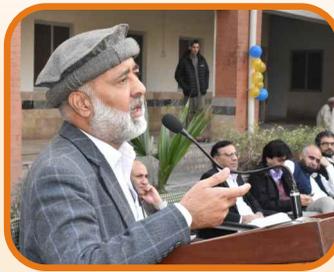
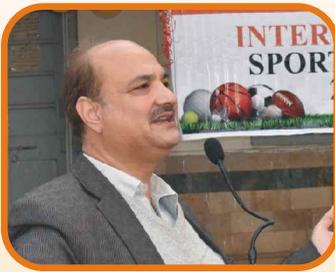


NEWS BRIEF

- ◆ A one-day seminar on "HOW TO GET REPUTED JOBS IN US-BASED COMPANIES" was held in the Video Conference, UET Peshawar on November 19, 2021. The Seminar was organized by ORIC UET Peshawar. The Guest Speaker of the seminar was Huzaifa Habib.
- ◆ Seminar on Career Planning by Engr. Muddassir Khan, Global Solution Specialist at Vodafone Germany and CDC International Ambassador (Europe), was conducted in the Video Conference Hall of UET Peshawar on December 8, 2021. Seminar was attended by faculty members and students of various departments of UET Peshawar.
- ◆ A team of students Department of Computer Systems Engineering UET Peshawar participated in the "Cybersecurity Hackathon Quiz Competition" held on November 21, 2021 at COMSATS University, Islamabad. The team was led by Dr. Salman Ahmed and Dr. Safdar Nawaz Khan Marwat. The Digital Pakistan Cybersecurity Hackathon 2021 is Pakistan's 1st Nationwide Cybersecurity Hackathon powered by Ignite - National Technology Fund - Ministry of IT & Telecom.
- ◆ UET Peshawar's team participated in the Science Journalism Society of Pakistan Expo -2021 (SISP Science Expo-2021) under the supervision of Director ORIC. Different scientific research projects were showcased at the Expo, held at PC Peshawar on December 14, 2021.
- ◆ The accreditation team of National Computing Education Accreditation Council (NCEAC) led by Prof. Dr. Shoab A Khan (Vice Chairman NCEAC) and Prof. Dr. Hanif Durad successfully conducted the re-accreditation visit of the BS Computer Science program of the Department of Computer Science and Information Technology (CS & IT), UET Peshawar. Prof. Dr. Amjad Ullah Khattak (Dean, Faculty of Electrical and Computer Engineering), Dr. Sadeeq Jan (HoD, Department of CS & IT), Dr. Iftikhar Ahmad (Director, QEC) and other faculty members of the department were present at the occasion.
- ◆ A one-day training on "Pressurized Pipe Hydraulics; Calculating Pipe Flow, Head Losses, Total Dynamic Head" was held at the Video Conference Hall, UET Peshawar here today for Agriculture, Mechanical, Mining and Civil engineers. The training was organized by ORIC UET in collaboration with the Department of Agricultural Engineering UET Peshawar. The Resource Person of training was Engr. Muhammad Nasir Jamal, who briefed the audience about pipe flow calculation & pipe telescoping, pipe looping, total dynamics dead and worst case scenario. The training was attended by a large number of students and faculty members.
- ◆ A Progress review meeting of the affiliated colleges was held on March 12, 2021 at UET Peshawar. The meeting was chaired by the Senior Dean, Prof. Dr. M.A. Irfan and attended by the senior officials of Government Colleges of Technology (GCTs) offering B.Tech programs affiliated with UET Peshawar. Prof. Dr. Amjad Ullah Khattak, Dean Electrical and Computer Engineering, Director QEC, Controller of Examinations, and TEVTA officials were also present on the occasion.

Progress on CQI cycle for affiliated colleges was presented by each Principal of the affiliated colleges and appreciated by the Deans. It was emphasized that the continuous quality improvement cycle of 3 years could be best achieved through collaboration between GCTs, TEVTA, and UET Peshawar. It was decided that affiliated colleges would also get accredited from NTC in 2021-22.

Inter-Hostels Sports Week 2021



The "Inter-Hostels Sports Week 2021" (male & female) was held from 30th November to December 7, 2021 at UET Peshawar. The chief guest of the opening ceremony was Prof. Dr. Iftikhar Hussain, Vice Chancellor, UET Peshawar which was held at Hostel 8. The Sports Week was organized by Dr. Afzal Khan, Provost in collaboration with the Directorate of Sports. In Sports Week, various teams of students living in hostels took part in

lawn tennis, badminton, futsal, cricket, volleyball, basketball and indoor games.

The Vice Chancellor Prof. Dr. Iftikhar Hussain and Senior Dean Prof. Dr. Sahar Noor on the occasion of opening ceremony said that UET is committed to provide all possible facilities to the students in the university and hostels within its limited resources. They urged the students to take full advantage of such opportunities and participate in sports competitions as games are an important part of our lives which enhances the extraordinary abilities of character and physical abilities and thereby strengthens the mental development. They paid tributes to Provost for organizing Inter-Hostels Sports Week and urged them to continue organizing sports competitions in future as sports along with studies is essential for the mental and physical development of students.

Provost Prof. Dr. Afzal Khan on the occasion thanked the University Administration and Director Sports Muhammad Ali for their support and appreciated the efforts of the organizers for the best arrangements. He said, as provost he has always strived to provide full opportunities to the students to participate in sports as well as study in hostels besides other facilities.

The prize distribution ceremony of "Inter Hostels Sports Week 2021" (male and female) was held at the Mian Hall on December 13, 2021. The Chief Guest of the ceremony was Prof. Dr. Sahar Noor, Senior Dean who distributed awards and shields among the winners and the organizers.



DCSE Intra-Department Sports Tournament 2021

The Department of Computer Systems Engineering organized "Intra-Department Sports Tournament 2021" held from November 22 to 24, 2021. Prof. Dr. Iftikhar Hussain, Vice Chancellor was the chief guest in the opening ceremony who also addressed the participating teams. Sports incharge DCSE Mr. Dr. Imad said that different sports competitions were held among the four batches of Computer Systems Engineering. The Vice Chancellor appreciated the efforts of Dr. Nasir Ahmed, Chairman DCSE and Mr. Muhammad Ali, Director Sports for organizing such activities for the youth. The Vice Chancellor in his opening remarks urged the participating teams to demonstrate discipline and sportsman spirit during competitions.



UET Participated in "Kamyab Jawan Sports Drive 2021"

UET Peshawar different teams (male & female) including Athletics, Squash, Lawn Tennis and Hand Ball etc participated in the "Kamyab Jawan Sports Drive 2021", organized by different universities under the auspices of "Higher Education Commission, (Pakistan Universities Sports Board), held at Jinnah Stadium, Islamabad. The teams were supervised by the Director Sports Mr. Muhammad Ali. In Lawn Tennis (Men), UET team including Ahmed Shafi, Usman and Jehanzeb grabbed 3rd position in all Pakistan Inter-Universities. Other teams from UET warmly participated in the various games competitions. Prof. Dr. Iftikhar Hussain, Chancellor UET and Prof. Dr. Sahar Noor, Senior/Chairman Sports Committee congratulated the winning teams and appreciated the efforts of Director Sports.



Dr. Mansoor Ul Hassan Shah

Dr. Mansoor Ul Hassan Shah has recently completed his Ph.D. from Universiti Teknologi PETRONAS (UTP), Malaysia. The title of his Ph.D dissertation was “Development of new formulations composed of biosurfactant and ionic liquid surfactants as non-toxic dispersants for oil spill remediation”. He has published several Impact factor publications from his PhD dissertation and presented his research work in different international conferences. He remained the winner of the Three Minute Thesis (3MT) competition organized by Universiti Teknologi PETRONAS (UTP), Malaysia. He is the active member of a Center of Research in Ionic Liquids (CORIL) Malaysia. He also worked in collaboration with the Institute of Chemical and Engineering Sciences (ICES), Agency for Science, Technology and Research (A*STAR), Singapore. Currently, Dr. Mansoor Ul Hassan Shah is working as Lecturer at the Department of Chemical Engineering and supervising several postgraduate students. His current research interests focus on the synthesis and characterization of biocompatible Ionic Liquids and their applications in the Energy and Environment sectors. He aims to establish a Center of Excellence for Research in Ionic Liquids at The Department of Chemical Engineering, UET Peshawar.



Dr. Naveed Ahmad got Fulbright Postdoctoral at Stanford University, USA.

Dr. Naveed Ahmad got Fulbright Postdoctoral at Stanford University, USA. Dr. Naveed Ahmad (Associate Professor, Department of Civil Engineering) won postdoctoral research position under the prestigious USEFP Fulbright Scholar 2021/2022 program, funded by the US Department of State. USEFP awards 15 grants every year to sponsor 13 junior and 02 senior scholars from Pakistan in several fields. Dr. Naveed has the honor of being selected in the senior scholar category. Dr. Naveed is appointed at Stanford University in the Department of Civil & Environmental Engineering in the School of Engineering to conduct research in the field of structural and earthquake engineering.



Plantation Drive 2021

Prof. Dr. Iftikhar Hussain, Vice Chancellor inaugurated the spring tree plantation campaign 2021 by planting a tree in the University. The campaign was organized in by We Care Society in collaboration with IM Sciences Peshawar. Dr. Wasif Jamal, Head of We Care Society IM Sciences, Prof. Dr. Sehar Noor Senior Dean UET, Mr. Azeem Khan, Admin Officer, Mr. Shahid Zafar Private Secretary to Vice Chancellor and other staff also participated in the drive.

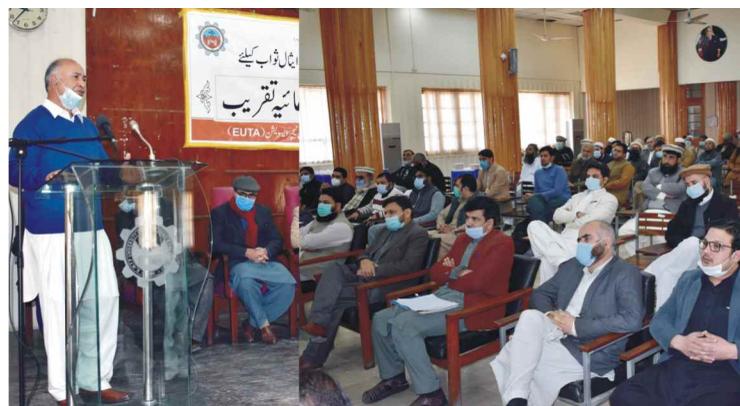
On the occasion, the Vice Chancellor said that world is facing issues like climate change which can be overcome with planting more trees. He urged the teachers, students and staff to plant as many trees as possible and participate in the Clean and Green Pakistan campaign launched by the government.



Condolence Reference held in Honor of Prof. Dr. Naeem Khan (Late)

The Engineering University Teachers Association arranged a condolence reference for Prof. Dr. Naeem Khan, Chairman, Department of Mechanical Engineering on January 29, 2021. Prof. Dr. Naeem Khan (late) had seen serving in the profession for last many decades and contributed for the betterment of university in different positions.

The Vice Chancellor Prof. Dr. Iftikhar Hussain, former Senior Dean Prof. Dr. M.A Irfan, Dr. Amjad Ullah Dean, Faculty of Electrical & Computer Engineering and Registrar Prof. Dr. Khizar Azam, Spoke on the occasion and prayed for departure sole.





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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.

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