

Newsletter

January – December, 2022



University of
Engineering and Technology,
Peshawar, Pakistan



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

INSIDE

- Convocation 2022
- Times Higher Education (THE) Impact Ranking, 2022
- Final Year Project Exhibitions
- HEC Approves Eleven Faculty Research Projects
- UET Peshawar Wins Microsoft Imagine Cup 2022
- UET Peshawar Adopts the Protection Against Harassment of Women at the Workplace (Amendment) Act 2022
- Seminars, Workshops & Conferences
- US Ambassador Visits USPCAS-E
- Sports Activities
- UET Peshawar Student Team
"Zarrar" Grabs First Position in DBFC-I6

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Mission

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.



CONVOCATION 2022

960 Degrees Conferred for Engineering and Non-engineering Programs

The UET Peshawar Convocation 2022 was held on 13th March, 2022 at the University of Peshawar to commemorate the academic accomplishments of students of engineering and technology of academic sessions of 2018-19 and 2019-20. Mr. Kamran Bangash, Former Minister for Higher Education, Archives and Libraries/Pro-Chancellor UET Peshawar, Khyber Pakhtunkhwa conferred degrees on graduating students of postgraduate (Ph.D., M.Sc.) and undergraduate programs.

In total, 960 students were awarded degrees in engineering and non-engineering programs including 900 B.Sc. degrees, 18 Ph.D. degrees while 48 students were awarded M.Sc. degrees. At the convocation, 48 Gold Medals were conferred upon graduates of undergraduate programs who achieved top positions. The leading local industries, Fast Cables Ltd., also awarded two cash prizes to the toppers of UET Peshawar, Sardar Umar Khitab and Syed Luqman Shah from Electrical Engineering Department, UET Peshawar. The convocation was a colorful event where parents and graduates mutually celebrated their success with their teachers and paid tribute of their dedication.



Prof. Dr. Iftikhar Hussain, Vice Chancellor, UET Peshawar Receives PEC Excellence Award 2020



The Vice Chancellor Prof. Dr. Iftikhar Hussain, received the Pakistan Engineering Council (PEC) Excellence Awards — 2020 (Academia & Research). The President of Islamic Republic Pakistan, Dr. Arif Alvi conferred the award in the ceremony for awards conferment held on 18th October, 2022 at the Aiwan-e-Sadar, Islamabad. Prof. Dr. Iftikhar Hussain received this prestigious award for his extra-ordinary contribution and services to engineering profession. The PEC Excellence Awards are aimed to acknowledge those outstanding engineers in different categories encompassing industry, academia, R&D, innovation, policy formulation, consulting services, construction industry and allied aspects.

Times Higher Education (THE) Impact Ranking, 2022

UET Peshawar bags top rank in Khyber Pakhtunkhwa in SDG-17: Stands First in Pakistan under "Engineering and Technology" table in SDG-8

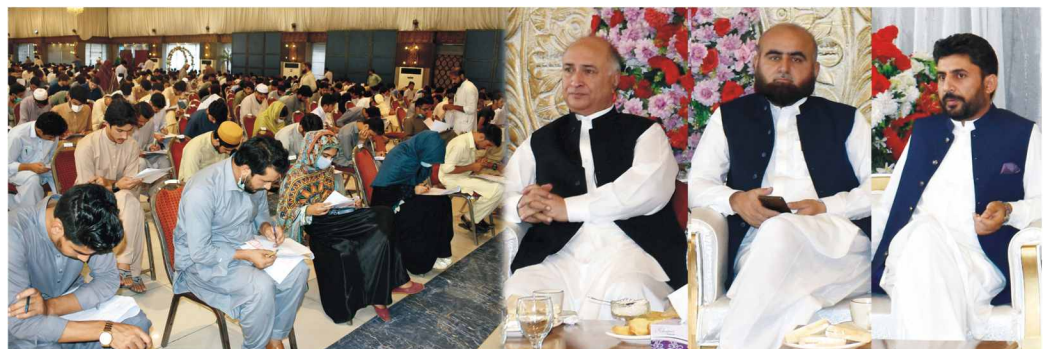
UET Peshawar has been ranked first in Khyber Pakhtunkhwa in the SDG-17, "Partnerships for Goals" in Overall table. For SDG 8, "Decent work for economic growth", UET Peshawar tops in Pakistan under "Engineering and Technology" table and second in the Overall table in the fourth edition of the Times Higher Education (THE) Impact Ranking, 2022. THE is the British publication that provides global higher education coverage in which the standings of universities are based on the assessment of the United Nations' Sustainable Development Goals and Universities' performance in four broader areas including research, stewardship, outreach, and teaching.

The UN SDGs, make it compulsory for member universities to have SDG 17 (Partnership for the Goals), for inclusion in the "overall" table.



ETEA Engineering Entrance Test 2022 successfully held

The Entrance Test for Academic Session 2022-23 for the public and private sector engineering universities and colleges of Khyber Pakhtunkhwa was successfully conducted simultaneously on 21st August, 2022 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 6880 candidates from Khyber Pakhtunkhwa, erstwhile FATA, AJK and Gilgit Baltistan appeared for the entrance test in which 572 female candidates were also included. The result was announced on 22nd August, 2022 and was available on ETEA website (www.etea.edu.pk).



Prof. Dr. Misbah Ullah, Treasurer UET Peshawar, Director Admissions UET Peshawar, Dr. Rashid Nawaz, ETEA Officials, Dr. Shamaila Farooq, Director Media and Publications were also present on the occasion.

FINAL YEAR PROJECT EXHIBITIONS

Department of Mechanical Engineering

The Department of Mechanical Engineering, UET Peshawar showcased 41 projects during the Final Year Project Exhibition (FYP) 2022 held on 5th August, 2022. The graduating students presented their final year projects. The exhibition was organized under the supervision of Chairman Prof. Dr. Rizwan Gul.

Prof. Sahar Noor, Dean, Faculty Mechanical, Chemical and Industrial Engineering (MCIE), UET Peshawar was the chief guest on the occasion. He urged the faculty to foster relationships with industry and coordinate such industrial engagement activities on Campus so that students not only develop professional skills, they also feel confidence to support and contribute to the growth of relevant industries. Earlier, he visited the projects and praised the efforts of the graduating students for their innovative ideas. He appreciated the local industry including Heavy Industries Taxila, FF Steels, Paraplegic Center Peshawar, Pakistan Engineering Council (PEC) and other industries who took part in the exhibition. He said, while it is important for universities to build strong linkage with industry, industry in turn, should also share its resources/facilities and invest in engagement activities.

Amongst the best project awards, the first prize was won by the students for the project, "Design and Fabrication of a liquid desiccant based evaporative cooling system" supervised by Dr. Alam Zeb, second prize was won by the project "Design and Fabrication of a low-cost portable mechanical ventilator", supervised by Prof. Dr. Abdul Shakoor while third prize was won by the project, "Design and fabrication of Centrifugal

Boiler", supervised by Engr. Shafi Ud Din. The project exhibition also declared special awards including Best Mechanical Design conferred to the group for "Performance assessment of vapor compression cycle with nano refrigerant" supervised by Dr. Zeeshan Zahir, "Best Research" award to the group for "Numerical investigation of micro channel Heat sink with novel cross sections", supervised by Dr. Karim Akhtar, "Best Mechanical Green" project to the group for "Measurement of traffic related air pollution through BRT route Peshawar" supervised by Dr. Zeeshan Zahir while "Best Poster" to the "Performance of UAV Engines at High Altitudes", supervised by Dr. Sadiq Khattak.

Prof. Dr. Sahar Noor, Dean, Faculty of MCIE and Prof. Dr. Rizwan M. Gul, Chairman Mechanical Engineering Department gave away shields and cash prizes to the winners and to the project evaluation committee.



Department of Industrial Engineering

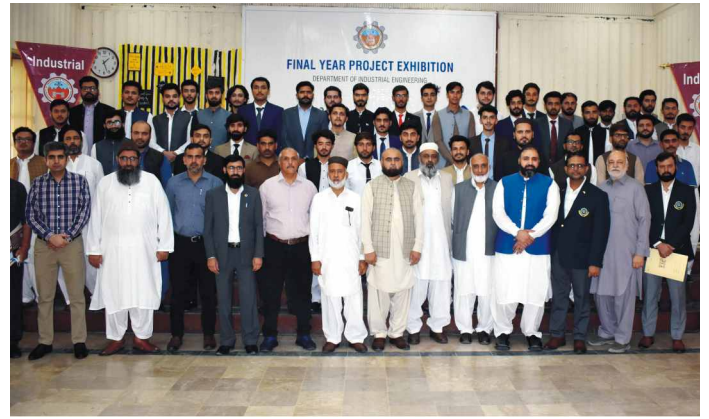
The Final Year Project Exhibition of the Department of Industrial Engineering UET Peshawar was held on 22nd August, 2022. The exhibition was aimed to showcase the final year projects to the industry and look into the opportunities for joint supervision of research projects and internships with industry. The exhibition also provided a unique opportunity of a networking session with industry on the sidelines.



The Vice Chancellor Prof Dr. Iftikhar Hussain, welcomed the industry partners for attending the exhibition. He said, such visits from the industry play a crucial role in increasing networking opportunities while building a good relationship with industry. He said, a consortium of industrial partners will be constituted in near future for an extensive industry-university joint initiative.

Prof. Dr. Misbah Ullah, Chairman Department of Industrial Engineering, UET Peshawar while giving a presentation said, the Department of Industrial Engineering was established in 2006 and currently offers B.Sc. Industrial Engineering, M.Sc. Industrial Engineering and Ph.D. Industrial Engineering. Though a new discipline in engineering field, he said, graduates are already serving in the steel, health care, ceramic, automobile and cement industry whereas the internships has shown an upward trend in the manufacturing and textile industry since 2020. He further said, "we seek more collaborations and exchanges with industry to streamline our curriculum according to market needs". Later, Prof Dr. Sahar Noor Dean Faculty of (MCIE) presented the vote of thanks and souvenirs to the industry representatives.

Col (R) Raja Shakeel Ahmad, GM Services National Radio Technology Corporation (NRTC) appreciated the work of final year students and assured to provide internships by the industry; supervise the Final Year Projects on behalf of industrial partners. Engr. Nasir Khalil, Divisional Superintendent, Pakistan Railways also offered his support for student internships in Pakistan Railways. He said, as governing body member of the Pakistan Engineering Council, a program for skill development trainings for the engineering students of Khyber Pakhtunkhwa will soon be chalked out which will in turn increase the students' employability in industry. Mr. Babar Saleem, HoD Mechanical Group NRTC, Yasir Ishraq, DCE Deletion Cell NRTC, Col (R) Wajid Mehmood, GM Services NRTC, Saba Basharat, SPE R&D NRTC, Engr. Alamzeb, CEO NUMBUS CHEMTECH, Engr. Saad Khan Zahid, Ex-Sr. Vice President, Sarhad Chamber of Commerce and Industries, KP, Mr. Farhad Asfandyar, Executive Member, Sarhad Chamber of Commerce and Industries, KP, Shafeeq Afridi, Executive Member Sarhad Chamber of Commerce and Industries, KP, Engr. Jehangir, Member FF Steel, Engr. Sami, Member FF Steel, Mansoor Golra, Mechanical Engineer, Paraplegic Center Peshawar, Said Anwar, Manager HR Cherat Cement and Ayaz M. Khan Assistant GM Mechanical Cherat Cement also participated in the exhibition.



Department of Computer Systems Engineering

The Final Year Project (FYP) Expo and Career Fair of the Department of Computer Systems Engineering, UET Peshawar was held on 30th June 2022 in collaboration with the DCSE Alumni Association and Computer Society. It was a unique networking platform where students, parents, alumni, and representatives of industries participated. A total of 36 FYP projects were presented by the final year students of DCSE. The projects were innovative, diverse, and future-oriented focusing on Cyber Security, Artificial Intelligence, Cloud Computing and Robotics. On the sidelines, Career Fair also took place; companies and their HRs from all over KP were a part of the Fair. Students were encouraged to engage with their teams for potential opportunities. The Faculty and Administration of DCSE held talks with the company representatives to address the gap between students and industry and to equip the students with the skills required for a successful career. A total of 15 representatives of companies including Encoder Bytes Pvt. Ltd., Central Asian Cellular Forum (CACF), Insight Corp, Karakorumx technology, DreamBig Semiconductor Inc., NRTC, Veevo Tech, Chip Soul Technology, Dice Analytics Pvt Ltd, AntonX, Skills 4U, WQsoftwares Pvt Ltd, PLC Group, Code for Pakistan, and Green Wend held interactive sessions with students.

The representatives of each company interviewed an average of 30 students to hire for competitive positions. Certificates of participation to all the FYP groups, semesters' position holders, and FYP position holders were distributed. Moreover, shields of appreciation for companies' representatives, Chairman DCSE, Dr. Nasir Ahmed, Dr. Laiq Hassan, President Alumni Association Dr. Khalil, FYP Coordinator Dr. Muniba Ashfaq, FYP steering committee members Engr. Rehmat Ullah Khattak, Dr. Salman Ahmed, Dr. Safdar Marwat, Dr. Tariq Kamal, Dr. Khurram, Dr. Nayab, and Director Placement, DCSE Alumni Association Engr. Nouman were present on the occasion.



Department of Electronic Engineering

The Final Year Project Exhibition of the Department of Electronic Engineering UET Peshawar was held on 25th August 2022. The exhibition was aimed to showcase the final year projects to the industry and provide opportunities for hiring, internships, and collaboration.

Prof Dr. Amjad Ullah Khattak, Dean, Faculty of Electrical and Computer Engineering UET Peshawar welcomed the guests from industry and academia to attend the exhibition. He said that these events will provide opportunities for students, faculty members, and industry experts to explore new ventures and solve local problems.

Dr. Adam Khan, Chairman Department of Electronic Engineering, UET Peshawar (Abbottabad Campus) while giving a presentation



said, the Department was established in 2004, and graduates are working on leading roles in reputable Govt. and private organizations. He emphasized the need of strong academia-industrial linkage. Engr. Talal Saleem, District Youth Officer was chief guest on the occasion. He appreciated the work of final year students and

assured to provide facilities at district level to the students. He also awarded best project award to the winning group (Abira Malik, Muhammad Aaqib Nisar, Khizer Zar Khitab), supervised by Dr. Haider Zaman, Lecturer, Department of Electronic Engineering.

HEC Approves Eleven Faculty Research Projects

Eleven UET Peshawar research projects have been approved by HEC under the National Research Program for Universities (NRPU). This was announced by ORIC UET Peshawar in a high level meeting organized to honor the faculty members who received the grants for their respective projects. The Vice Chancellor Prof. Dr. Iftikhar Hussain gave away the certificates of appreciation to the recipients here the other day in presence of senior officials.

HEC had announced the call for applications for NRPU earlier and out of which eleven faculty projects from UET Peshawar were selected having applied research nature. Director ORIC Dr. Nasru Minallah said, UET Peshawar has attained the highest portfolio in Khyber Pakhtunkhwa as the HEC's NRPU's grant recipient of Rs. 91 million. He said, University will yield several benefits through these projects in terms of retaining revenue of Rs. 13 million as 15 pc of the total grant cost is issued to the host university. The projects submitted through ORIC covered a wide range of engineering disciplines with problem solving approach in respective fields of chemical, civil, energy, mechanical, computer systems engineering and computer sciences, adding, it will also help in setting-up laboratories, create jobs for professionals and produce M.Sc's and Ph.D's in relevant fields. NRPU is a flagship Research Program of HEC for funding research grants on competitive merit for high-quality and promising scientific research projects that demonstrate strategic relevance and cast impact to the local industry and society.



Secretary Mines and Minerals Visits GJoC

The Secretary Minerals Development Department, Khyber Pakhtunkhwa Mr. Humayun Khan accompanied by Engr. Aamir Muhammad Director Exploration, Directorate General Mines & Minerals KP visited Gems & Jewelry Center of Excellence (GJCoE), UET Peshawar on 15th February, 2022. The guests were received by Prof. Dr. Siraj-ul-Islam, Dean Faculty of Architecture, Allied Sciences & Humanities and Dr. Khan Muhammad, Director GJCoE. The Secretary visited the labs of GJCoE where he was briefed about the

Gemology and Lapidary process. Later, a brief presentation was given by Dr. Khan Muhammad, outlining the present facilities and future plans. He informed that the center has trained 628 and 190 students for the award of 5 months diploma in the field of gemology and lapidary, respectively. He director emphasized the need for developing the gemstone sector in Pakistan, though it has been recognized as 5th in supplying gemstones to the international market. However, it has not been contributing foreign exchange through value addition compared to neighboring countries.

Mr. Humayun Khan, mentioned that the Prime Minister's policy for the gemstone sector, to be shared with GJCOE in which export of raw gemstones will be controlled to promote the cutting and polishing industry for generating jobs and foreign exchange through finished gem products in Pakistan. He expressed his eagerness to invite proposals from GJCoE that could lead to the establishment of a mineral park in consonance with the IT Park in the next phase. He invited a comprehensive plan linking investors in gemstone industries with academia through the development of skilled labour for promoting outreach to the international gemstone market.

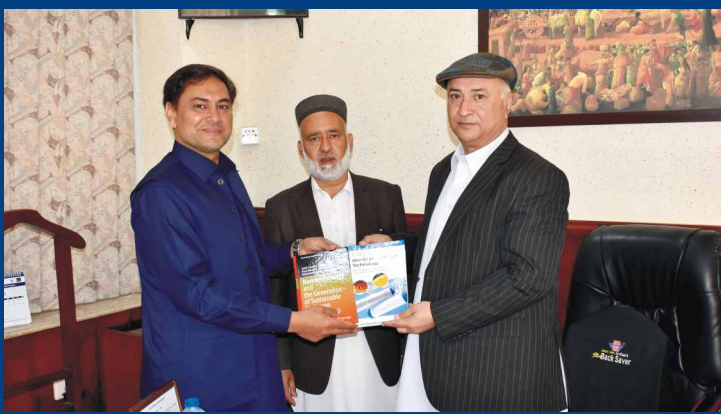
Prof. Dr. Siraj-ul-Islam, Dean Faculty of Architecture, Allied Sciences & Humanities were also present on the occasion.



Dr. Mohammad Younas Presented His Books

Dr. Mohammad Younas presented his recently published books by Wiley-VCH and Springer to the Vice Chancellor, Prof. Dr. Iftikhar Hussain and Prof. Dr. Sahar Noor, Dean Faculty of (MCIE), UET Peshawar on 3rd March, 2022. Dr. Mohammad Younas, has been working with national and international research institutes on collaborative projects on membrane technology. In Membrane contactor book, the authors discuss the technical and economic aspects of this increasingly important technology and examine the geometry, flow, energy & mass transport, and design aspects of membrane contactor modules. The other book is on Nanotechnology and the generation of sustainable hydrogen. This book explains the aspiring vision of a sustainable hydrogen generating system which employs nanotechnology with detailed update on research activities, achievements and challenges on hydrogen production.

Both the books serve as a useful research tool for academics and practitioners looking toward new ways to adopt membrane technology in the areas of water, energy, food and environment without conceding our environment.



CIBEA Awarded the Merit-based Scholarships

The Center for Industrial and Building Energy Audits (CIBEA) through the Center for Advanced Studies in Energy awarded the merit-based scholarships to the B.Sc. Energy Engineering students in a ceremony held on 26th October, 2022. Director CIBEA, Prof. Dr. M.A. Irfan gave away the scholarship cheques worth Rs. 60,000 to Mr. Sufyan Arif and Ms. Rimsha Mukhtiar for their outstanding academic performance in the last semester. The ceremony also marked an orientation to the Association of Energy Engineers (AEE), a network of over 18000 energy engineers as its members across the world. Prof. Dr. M. A. Irfan said, the AEE was an association of repute among energy engineers across the world that provides a lifelong learning experience, career and networking opportunities for professionals from the field.

Meeting Regarding Promotion of Tobacco

A meeting regarding promotion of Tobacco and Remodeling / Modernization of Tobacco Barns was held under the Chairmanship of Mr. Abdul Karim Tordher, then Special Assistant to Chief Minister Khyber

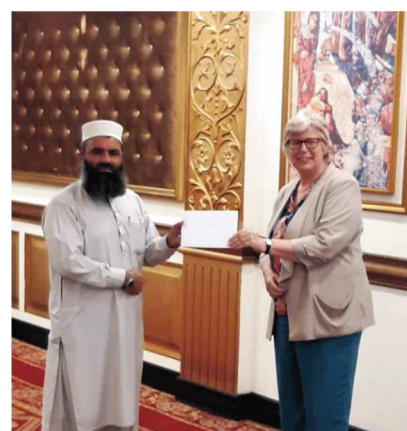
Pakhtunkhwa on Industries / Focal Person to Chief Minister for Investment at the Department of Mechatronics Engineering, UET Peshawar on 10th March, 2022. Various stakeholders and experts from different organizations including Pakistan Tobacco Board, Bank of Khyber, Department of Mechatronics Engineering, Planning & Development Department, Environmental Protection Agency, Khyber Pakhtunkhwa Board of Investment & Trade, SMEDA and Agriculture University attended the meeting.

The participants deliberated and agreed upon encouraging and supporting adoption of best practices, modernization/automation of processes for barn/tobacco curing, use of cost effective and environmental friendly alternative sources of energy. A detailed presentation was given by the Department of Mechatronics Engineering about viable models and technologies that can benefit the sector in general and uplift the farmers in particular. The Bank of Khyber, Pakistan Tobacco Board, P&D Department KP, and SMEDA will extend maximum facilitation in the implementation of technological interventions discussed. The private sector will be encouraged to undertake the interventions and academia will focus on R&D and the identification of most feasible technologies and interventions. The ultimate objective is to extend benefits to the grass root level particularly farmers and to reduce emission of greenhouse gases due to the uncontrolled burning of firewood in the existing practices. This will also help achieve the crucial Sustainable Development Goals such as No Poverty (Goal No 1.), Industry, Innovation and Infrastructure (Goal No.9) and Climate Action (Goal No. 13)



Prof. Dr. Khan Shah ada Receives Certificate of Capacity Development Course

Prof Dr. Khan Shahzada, Department of Civil Engineering received certificate from Miss Sheena Gardner, Coventry University, UK on completing a week-long training titled, "Capacity Development Course" arranged for Principal Investigators. The workshop was organised by the HEC, Islamabad and British Council from 12th – 16th September, 2022 in Islamabad.



UET Peshawar Wins Microsoft Imagine Cup 2022

UET Peshawar team has won the Microsoft Imagine Cup 2022 held on 29th March, 2022. For the very first time UET Peshawar has brought this accolade home. The Imagine Cup 2022, jointly organized by the Microsoft. Microsoft Imagine Cup regarded as the "Olympics of Technology" is world's premier technology hackathon, aimed to bridge the gap between academia and industry. More than 700 teams participated in various competitions.

The "UET team Reliance" presented the project "Healthcare 360", a final year project at Department of Computer Systems Engineering, headed by Mr. Raja Ahmed along with

team members Mr. Ashley Alex Jacob, Syeda Fatima Ashoor and Affifa Zainab Ahmad supervised by Prof. Dr. Laiq Hassan and Engr. Naina Said of DCSE under the leadership of Chairman DCSE Prof. Dr. Nasir Ahmed. The team represented Pakistan at the Global Grounds and grabbed 9th position worldwide from regions of Americas, Asia Pacific & India, Europe, Middle East and Africa. The "UET team Reliance" was awarded a prize of 150,000 Rupees and 10000 USD from Global Microsoft Corporation as seed capital



for their startup. The closing ceremony was held virtually at HEC auditorium where the winners and runners-up were announced.

CIBEA Awards Scholarships to CAS Energy's Students

The Center for Industrial and Building Energy Audit (CIBEA), a spinoff company at the Center for Advanced Studies in Energy (CAS-E), UET Peshawar awarded two merit-based scholarships to the engineering students. Director CIBEA Prof. Dr. M.A. Irfan gave away the scholarship cheque to the students, Mr. Abdullah while Director Media UET Peshawar Dr. Shamaila Farooq gave the scholarship cheque to Ms Savera Riaz respectively, of worth Rs. 30000 each for the semester at a ceremony held at CAS-E UET Peshawar on 3rd June, 2022.

Prof. Dr. M.A. Irfan said, energy engineers work with some of today's most exciting technologies, developing solutions to problems that affect our lives and lifestyles. "Our undergraduate engineering scholarships aim to accomplish this goal by motivating highly talented and deserving energy students who will be able to develop new green technologies, and contribute towards taking Pakistan out of the energy crisis", he added. He further said, Pakistan's energy sector has become a major drain on the national economy which is a main barrier in our economic growth. Keeping the demand of female energy engineers in the field of renewable energy, CIBEA has particularly focused on awarding the scholarships to women because the renewable sector is still relatively new in Pakistan and this is right time they will get their due place.



Academic Council Recommends the Drugs and Tobacco Policy 2021 Across the Board

The 79th meeting of the UET Peshawar Academic Council was held in convenership of Vice Chancellor, Prof. Dr. Iftikhar Hussain on 7th June, 2022. The meeting discussed various academic issues pertaining to UET Peshawar in presence of heads of teaching and administrative departments. The meeting approved the Drug and Tobacco Abuse Policy 2021, based on HEC guidelines and recommended to the upcoming Syndicate meeting for adoption. The Provost Prof. Dr. Afzal Khan presented the agenda to adopt this policy in hostels that is to be adopted across the board. The meeting also recommended for launching the Master's degree program in Artificial Intelligence (Non-Engineering Degree) in the Department of Electrical Engineering (Main Campus) Peshawar, aimed to develop AI related theoretical and research skills in postgraduate students. The meeting endorsed the recommendation of Board of Faculty of Electrical and Computer Engineering through 38th meeting of BOASAR held earlier.



38th Meeting of BOASAR Held

The 38th meeting of Board of Advanced Studies and Research (BOASAR), UET Peshawar was held on 30th May, 2022 under the convenership of Vice Chancellor, Prof. Dr. Iftikhar Hussain. The meeting approved the minutes of 37th meeting of BOASAR held earlier. The meeting recommended several initiatives for commencing new programs and directed the concerned teams to submit the agenda in the next Academic Council meeting. The Vice Chancellor directed the meeting to fulfill the criteria as directed by PEC and HEC while submitting the proposals for new program at postgraduate level. Secretary BOASAR Prof. Dr. Hamid Ullah presented the agenda of meeting while Prof. Dr. Sahar Noor, Dean MCIE, Prof. Dr. Amjad Ullah, Dean Electrical and Computer Engineering, Dr. Khizar Azam Khan, Registrar and other senior faculty members were present on the occasion.

3rd Meeting of Industrial Advisory Board of Department of Mechanical Engineering

The third meeting of Industrial Advisory Board of Department of Mechanical Engineering was held on 25th October, 2022. Prof. Dr. Rizwan M. Gul, Chairman, Department of Mechanical Engineering welcomed the participants including representatives from Government Departments, industry and faculty. Prof. Dr. Hamid Ullah, Director Undergraduate Studies and Chairman OBE Committee stated that the meeting was aimed to get the valuable input from the advisory board members to improve the curriculum that's based in the Outcome Based Education system. Dr. Ali Kamran gave a presentation on the OBE system and its salient features. The Advisory Board members urged to improve the basic engineering knowledge of the graduating students so that they are capable of completing in the market as per industrial needs. They also urged to give practical knowledge to the students on community service, critical in today's job market. Prof. Dr. Abdul Shakoor presented the internship policy. He shared few challenges that they face from industry while offering internships to the students. He stressed the need to enhance industry interaction and outreach while industry experts advised to build up strong contact with alumni and the industry.

2nd Meeting of Industrial Advisory Board Department of Agricultural Engineering

The second meeting of the Industrial Advisory Board (IAB) of the Department of Agricultural Engineering was held on 24th October 2022 under the Chairmanship of Meritorious Prof. Dr. Taj Ali Khan to review the undergraduate curriculum of Agricultural Engineering program as per requirements of the outcome-based education (OBE) system. Engr. Muhammad Asif (Deputy Director, On-Farm Water Management, Peshawar), Engr. Muhammad Nasir Jamal (CEO, Rabail Technologies, Islamabad), Engr. Sohail Anwar (Director, Sales and Technical, Rainmakers Islamabad), Engr. Kalsoom Rahman (Directorate of Agricultural Engineering, Peshawar), Dr. Tariq Mahmood Khalil (Manager, ORIC, UET Peshawar), and all faculty members of AED attended the meeting.

Meeting of VCs of Public Sector Universities Held

A meeting of Vice Chancellors of Public Sector Universities of Khyber Pakhtunkhwa was held on 20th May, 2022. The Vice Chancellor, Prof. Dr. Iftikhar Hussain chaired the meeting while Vice Chancellor University of Swabi, Prof. Dr. Nasir Jamal Khattak, and Vice

Chancellor Islamia College University, Peshawar, Prof. Dr. Gul Majid Khan were also present. The meeting was aimed to look into the possibilities for strengthening and promoting sports and co-curricular activities in public sector universities. The meeting discussed both short and long term plans in light of existing facilities. The Vice Chancellors vowed to provide high-standard sports facilities in all KP Universities. They also discussed how in addition to sports events, other co-curricular activities would be held such as seminars, joint outreach and networking activities on regular basis at all campuses to bring harmony and cohesion among the youth that will contribute towards national unity and peace.



US Ambassador Visits USPCAS-E

The US Ambassador Donald Blome visited the state-of-the-art US Pakistan Center for Advanced Studies in Energy (USPCAS-E) UET Peshawar on August 4, 2022. The Vice Chancellor, Prof. Dr. Iftikhar Hussain gave a detailed presentation of USPCAS activities and achievements to the delegation. ACS KP Mr. Shahab Ali Shah and senior UET officials were also present on the occasion.



UET Peshawar Adopts the Protection Against Harassment of Women at the Workplace (Amendment) Act 2022, Pension Rules 2021

UET Peshawar has adopted “The Protection against Harassment of Women at the Workplace (Amendment) Act 2022” in its 127th meeting of the Syndicate held on 25th & 26th June, 2022. The Act 2022 was notified on January 28th 2022 and officially enacted into law, which is an important step in strengthening and expanding the domain of the law. UET Peshawar had already adopted “The Protection against Harassment of Women at the Workplace Act”, passed on 11 March 2010 with the aim to provide females a harassment free environment at workplaces. Registrar UET Peshawar Prof. Dr. Khizar Azam Khan said, UET Peshawar while adhering to its core governance policy for protection against harassment of women is making concerted efforts towards achieving the gender equality at workplace. Adoption of Amendment Act 2022 is a step towards achieving the SGD-5 “Gender Equality” under the UN Sustainable Development Goals, he added. In addition, UET Peshawar has also adopted the Government of Khyber Pakhtunkhwa, Civil Servants Pensions Rules 2021 in the same meeting. The meeting was attended by the representatives from HEC, Government of KP, Higher Education Department, Finance and Establishment Departments.



Project on “Digital Municipal Energy Management System” Launched

The project on “Digital Municipal Energy Management System” has been launched in collaboration with the Center for Intelligent System Network Research (CISNR) UET Peshawar, GIZ Pakistan, ADLG Association of Development of Local Government as its political partner and eight public energy distribution companies on 14th December, 2022. The project is funded by GIZ Pakistan at the cost of Euro 4 million.

The project has three main functions including implementation of energy management system, implementation of digital methods for energy data management through CISNR, implementation of low/no integrated energy efficiency methods and creating public awareness and advocacy for political dialogue through CISNR, UET Peshawar.

The Vice Chancellor, Prof. Dr. Iftikhar Hussain said, need for monitoring system to evaluate the efficiency of energy system is critical for socio and economic development of Pakistan.

Mr. Irshad Khan, GIZ Team Lead said, introduction of Municipal Energy Management System will mainstream energy-relevant tasks and processes in relevant departments of the partner institutions. Through

this initiative, GIZ will pilot and institutionalize energy management in eight municipalities and address the SDG 7, 11 and 13 i.e. “Affordable and Clean Energy”, Sustainable Cities and Communities” and “Climate Action” respectively.

Dr. Gul Muhammad Khan, Project Director CISNR said, as a leading institution, CISNR is capable of offering flexible and innovative solutions to the energy sector. Mr. Stephen Bitterling, GIZ and other senior officials from GIZ, PDA, CDA were also present on the occasion.



Department of Civil Engineering and NIUIP Students Visit PDMA

A delegation of the Postgraduate students (M.Sc & Ph.D) Department of Civil Engineering and National Institute of Urban Infrastructure Planning (NIUIP), UET Peshawar enrolled in the course of “Disaster Preparedness & Management” visited the Khyber Pakhtunkhwa Provincial Disaster Management Authority (PDMA) headquarters on 30th November, 2022. The delegation was led by Prof. Dr. Khan Shahzada, Department of Civil Engineering. The objective of the visit was to provide a broader view about the prevalent disaster management practices and services provided by PDMA including the Control Room and 24/7 services in the affected areas. Engr. Sajid Imran, Director Rehabilitation PDMA, gave a detailed presentation covering PDMA's response and rehabilitation activities during different disasters and role of academia and researchers in formulating strategies for vulnerability and hazard assessments.

Sustainability in Process Industry (SPI-2022)

A two-day 6th International Conference on “Sustainability in Process Industry (SPI-2022)” in joint collaboration of the Department of Chemical Engineering, UET Peshawar and Department of Chemical Engineering, was held at GIKI Swabi from 19th to 20th October, 2022. Speakers stressed for strengthening academia-industry linkages to enhance the industrial sector with the help of cutting-edge academic research; finding sustainable solutions for the problems related to energy, water, climate change and food processing and creating better opportunities and environment for industries especially in plastic recycling. They said the industrial world has adopted essential technological practices in connection with sustainable industrial processes while it was equally important for the developing countries to adopt practical policies for better management of global warming issues that they face such as plastic recycling and climate change.



Mr. Jehangir Piracha, CEO Engro Polymer and Chemicals (Pvt) Ltd. was the Guest of Honor of the opening ceremony while Vice Chancellor Prof. Dr. Iftikhar Hussain, and Rector GIKI, Prof. Dr. Fazal Ahmad Khalid (SI), welcomed the participants at the opening session to the conference. Chairman Department of Chemical Engineering, GIKI Prof. Dr. Javed Rabbani Khan and Chairman Department of Chemical Engineering, UET Peshawar Prof. Dr. Muddasar Habib, chaired/co-chaired at the closing session.

Keynote speakers and researchers from USA, China, Turkey, Brazil and Pakistan presented the novel engineering and scientific contributions. Speakers from the University of Karachi, University of Sindh, University of Engineering and Technology Lahore, COMSATS University, University of Abbottabad, University of Science and Technology Swat, National University of Science and Technology Islamabad, University of Peshawar, Pakistan Atomic Energy Commission, and Kahuta Research laboratories also participated in plenary and technical sessions.

Recent Advances in Civil Engineering and Disaster Management

A two-day 2nd International Conference on “Recent Advances in Civil Engineering and Disaster Management (ICCEDM-2022)”, organized by the Department of Civil Engineering was held at UET Peshawar from 15th to 16th December, 2022. The Vice Chancellor, Prof. Dr. Iftikhar Hussain, was the chief guest of the opening ceremony who welcomed the participants to the conference. The conference was aimed to promote research in the field of disaster mitigation and disaster management for floods, earthquakes and other natural disasters in Pakistan.

Prof. Dr. Iftikhar Hussain in his address said, the Department of Civil Engineering is focused on current research and best practices

in the field of Civil Engineering and Disaster Management. The conference has given a new dimension based on the latest research to address the indigenous problems and finally incorporate the outcomes in the national building codes of Pakistan and engineering practices. The presence of world-renowned academicians and researchers in this conference from reputable universities all over the world provides an opportunity to the young researchers to connect to legends in the civil engineering multi-disciplines. He said, UET Peshawar is privileged to actively contribute in developing the National Building Code of Pakistan and Seismic zoning maps for Pakistan. The Vice Chancellor appreciated the efforts of

Prof. Dr. Irshad Ahmad, Chairman, Department of Civil Engineering, the Convener of the Conference Prof. Dr. Khan Shahzada and his team for holding the successful event. Dr. F. Erol Guler George Mason University, USA and Prof. Dr. Ketrin Beyer, EPFL Switzerland were the keynote speakers at the opening ceremony who delivered lectures on “Prevention and mitigation measures in geotechnical engineering using geosynthesis” and “Seismic Behaviour of Historical Stone Masonry Structures - How well can we predict it?”, respectively. The speakers for the plenary session included, Dr. Michael Henry, Shibaura Institute of Technology, Japan, Prof. Dr. Mustafa Erdik, Bogazici University Turkey, Dr. Charles Bong



Hin Joo, Universiti Malaysia Sarawak (UNIMAS) Malaysia, Dr. Bruno Briseghella, Fuzhou University China, DAVIDE LO PRESTI, University of Palermo (IT) UK, Dr. Zhong-qi

Quentin, The University of Hong Kong, China, Dr Farhan Iskandar, Universiti Teknologi PETRONAS (UTP), Malaysia and Jamshaid Ahmed Khan, Jamshaid Khan

Architect & Associates, Pakistan and Afzal Rana from FF Steel Pvt Ltd. As many as one hundred and twenty research papers were presented in eight technical sessions.

Sustainable Energy Technologies

The 4th two-day International Conference on "Sustainable Energy Technologies" concluded here at the USPCAS-E UET Peshawar on 7th December, 2022. The Speakers stressed that despite enormous potential of hydropower in Khyber Pakhtunkhwa the main barrier in developing the micro and small hydro projects is the lack of technical expertise of international standards to manufacture hydro turbines in Pakistan.

The Vice Chancellor, Prof. Dr. Iftikhar Hussain was the chief guest at the closing ceremony. He stressed that the government must develop energy policies to tap the hydro and solar potential of Khyber Pakhtunkhwa. He appreciated the USPCAS-E for holding a successful event especially Conference Secretary, Dr. Khurshid Ahamd, Co-Secretary, Dr. Kamran Shereen and Dr. Adnan Daud Khan, Director USPCAS-E for steering the conference towards a successful conclusion.

Prof. Dr. Sahar Noor, Dean, Faculty of MCIE and USPCAS-E presented conference recommendations that Pakistan is blessed with renewable energy resources: with enormous solar potential in its plains and deserts as well as excellent hydro potential in north-



ern hilly terrains but due to lack of technology and trained human resource, we are far behind in harnessing real potential. He quoted, Prof. Dr. Clark A Miller Professor Arizona State University, USA, that there is a dire need to raise awareness in Pakistan among stakeholders including policy makers and public on energy issues and solutions.

As many as fifty research papers were presented in six technical sessions including Renewable Energy Technologies, Electrical Energy Systems, Thermal Energy Systems, Energy Materials, Energy, Environment and

Policy and Power System Technologies. Key note speakers were from Arizona State University USA, National University of Technology (NUTECH), Pakistan; US Pakistan Center for Advanced Studies, NUST and King Saud University, Saudi Arabia, Center for Industrial and Building Energy Audits, Pakistan, Sunway University, Malaysia, Mirpur University of Science and Technology, Pakistan, Abdul Wali Khan University, Pakistan, Universiti Teknologi Malaysia, UNHCR, Pakistan, TESCO, Pakistan

Drug Abuse Prevention

The ORIC UET Peshawar arranged a one day seminar on "Drugs Abuse Prevention" on 24th February, 2022 in collaboration with Department of Excise Taxation and Narcotics Control, KP and Department of Psychology, University of Peshawar. The seminar was aimed to create awareness among students about the negative impacts of drug addiction in education institutions. Mr. Khalid Khan Excise and Taxation Officer (Khyber Region) while addressing a seminar said that the Department has taken all necessary steps to make society free from drugs from educational institutes. Mr. Majid Khan, Provincial Incharge, Excise Intelligence Bureau said, the provincial government and the Excise Department are taking pragmatic steps to make the society drug free. Other speakers included, Major Asif ISSB Pak Army, Miss Huma Mughal Consultant Clinical Psychologist HMC, Miss Jodat Tauqir Qazi Visiting Faculty Clinical Psychologist, Miss Fozia Rehmat Social Welfare Department, Khyber Pakhtunkhwa, Miss Shehla Saeed Lecturer Frontier Medical College Peshawar, Mr. Niaz Ali Lecturer KUST, Miss Shaista, Lecturer Abasin University Peshawar, Mr. Raj Ali Lecturer KUST, Miss Mehreen Principal Government High School Pishtakhara. Dr. Nasru Minallah Director ORIC UET Peshawar welcomed the delegation.



Cyber Crime, Digital Forensic and Cyber Security

A one-day awareness Seminar on Cyber Crime, Digital Forensic and Cyber Security was held on 1st January, 2022. The seminar

was held in collaboration with Federal Investigation Agency FIA and National Center for Cyber Security (NCCS) UET Peshawar. The

Federal government has awarded four centers of excellence including the National Center for Cyber Security, National Center in Big

Data and Cloud Computing, National Center of Artificial Intelligence and National Center for Robotics and Automation. NCCS is a joint initiative of HEC and Planning Commission to develop capacity in the field of cyber security in leading Pakistani Universities. The Innovative Secured System Laboratory established at UET Peshawar under the NCCS Project has been addressing issues and developing solutions related to IoT devices, developing products in the cyber security testing and block chain by using state-of-the-art genetic algorithms. NCCS has been addressing issues related to vulnerability and risk assessment, security consultations, training services, security poli-

cies for organizations and penetration testing. So far, NCCS at UET Peshawar has developed twelve tools and published more than research publications in world renowned research journals and recently conducted an international conference on cyber security, he added.

Mr. Tahir Khan, Deputy Director Cyber Crime, FIA briefed the audience about cyber

crimes and its various forms. Mr. Akram Mughal Deputy Director Network Security, FIA gave a brief introduction on national Cyber Crime Laws. Tariq Pervez, Additional Director FIA Cyber Crime Wing and Mr Faqir Hassan, Lab Incharge FIA Cyber Crime Wing also gave presentations. Dean Faculty of Electrical and Computer Engineering UET Peshawar Prof Dr. Amjad Ullah and senior officials gave a closing speech.



The Impact of Digitalization/Automation on the Business Processes

The Cisco Network Academy, Department of Computer Systems Engineering (DCSE), UET Peshawar organized a one day seminar on “The Impact of Digitalization / Automation on the Business Processes” for the students of Faculty of Electrical and Computer Engineering on 2nd December 2022. The guest speaker of the seminar was Engr. Fida Khattak, who is a graduate of the

DCSE UET Peshawar and has done his master's in Computer Networks from Aalto University, Finland. His expertise is in IoT technologies ranging from energy metering to heart rate monitors and weather stations. Engr. Fida shared his experience with students that how to utilize evolving technologies to bring value to society and transitioned to business technology to

help their businesses with digital transformation. At the end, the speaker answered the queries of students in a question answer session. The seminar was co-organized by IEEE UET Peshawar WIE Affinity group, IEEE UET Peshawar, Student Branch, and Computer Society UET Peshawar.



1K Innovation Challenge

The ORIC in collaboration with Precision Medicine Lab (PML) organized a one-day interactive session, “1K Innovation Challenge” under the PML Hacks program on 9th February, 2022. The aim of the session was to encourage and promote innovation and to provide a platform to the students where they can present their ideas which can help to solve the problems in the field of Healthcare. The students from various disciplines participated and pitched their ideas to solve the most pressing problems that exist in the healthcare sector in Pakistan. PML Hacks program encourages students /community members to come forward and play their role in revolutionizing healthcare in Pakistan.

Mr. Shehram Khan, Business Development Manager PML and Ms. Shagufta briefed the students and shared examples of global health-tech startups that have created great impact. The students were given an opportunity to pitch their ideas to the audience and jury. At the end, the top ideas were awarded cash prizes and certificates. The chief guest of the concluding ceremony was Prof. Dr. Misbah Ullah, Treasurer UET Peshawar who distributed certificates and presented awards to the winning students.

Sustainable and Green Energy Development

A one-day International Workshop on "Sustainable and Green Energy Development" was organized by the Department of Civil Engineering, UET Peshawar, in collaboration with Universite' Le Havre Normandie, France was held on 17th November, 2022 at UET Peshawar. The aim of the workshop was to provide a platform for an open discussion among national, international researchers and students on sustainable and green energy development, finding solutions for minimizing impact of climate change and beneficial reuse of waste material in sustainable and environmental friendly manner. The Vice chancellor, Prof. Dr. Iftikhar Hussain was the chief guest while the keynote speakers included Dr. Ahmed Benamar, Universite' Le Havre Normandie, France, Dr. Hussein Kanbar,

Universite' Le Havre Normandie, France, Dr. Arjumand Nizami, HELVETAS Swiss Intercooperation, Pakistan, Dr. Jawad Ali HELVETAS Germany and Prof. Dr. Irshad Ahmad, Chairman Department of Civil Engineering, UET Peshawar.

The speakers of the workshop called out for wide spread sensitization on climate change and its drastic effects on human society through public awareness and advocacy. Dr. Arjuman Nizami Country Director, Helvetas, Swiss Cooperation said, the think tanks need to address the challenges of climate change effects and offer new frameworks and solutions for integration at policymaking level. Dr. Ahmed Benamar from University of Lehavre France explained the treatment process of dredged sediments for safe dumping and

potential use in construction i.e ground improvement. Dr. Hussein Kanbar from University of Lehavre France also mentioned the importance of pre-treated dredged sediments, their useful and economical usage for agriculture purposes.

Dr. Irshad Ahmad, Chairman Civil Engineering Department, UET Peshawar, Pakistan concluded the workshop proceedings by mentioning the importance of utilization of waste material like waste tires, waste glass, plastic, rubber etc., for economical, sustainable and environmental friendly construction and vowed to fulfill the responsibility of spreading awareness about climate change realization, development of sustainable and green construction processes.

Synthesis and Applications: Membrane Technology

A one-day Interactive workshop on "Synthesis and Applications: Membrane Technology" was organized by the Geopolymer and membrane Research group of the Department of Chemical Engineering, UET Peshawar on March 18, 2022. The chief guest of the event was Vice Chancellor, Prof. Dr. Iftikhar Hussain. The workshop was organized under the funded project of Pakistan Science Foundation in the category of Pak-China Joint Research Project (PSF-NSFC Second call for proposals).

Dr. Muhammad Israr, Senior Scientific Officer, Pakistan Science Foundation was also present on the occasion. He informed that PSF works for the promotion of research to solve the problems of the country. He proposed the researcher to come up with consortium proposals as PSF prefer joint research projects.

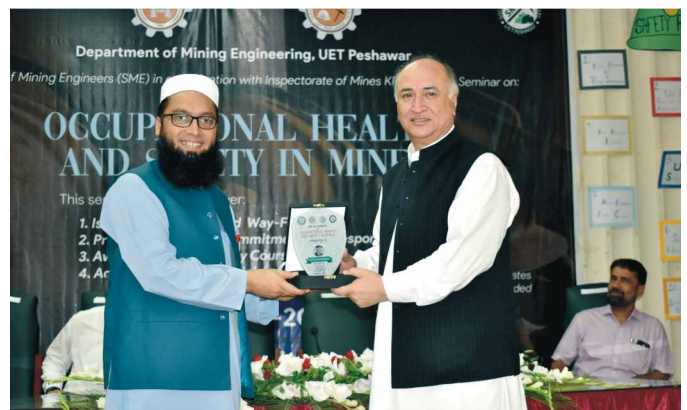


The leading Membrane Research Groups from LUMS, NUST, COMSATS, UET Lahore, Pak-Austria university of Applied Sciences and UET Peshawar presented their research groups activities and shared their facilities and expertise for better collaboration of Pakistani researchers in technical sessions. The participants also visited the membrane engineering research lab, strengthened under the Pakistan Science Foundation funded project. Poster session for students and young researchers provided the opportunity to present their work and had discussion to the leading membrane scientist/engineers. Best poster award was also awarded by Pakistan Membrane Society (PMS).

Occupational Health and Safety in Mines

A one day seminar on "Occupational Health and Safety in Mines" was held on June 29, 2022. The seminar was organized by the Society of Mining Engineers (SME) in collaboration with Inspectorate of Mines, Khyber Pakhtunkhwa. The seminar was aimed to highlight issues; challenges faced by the Mines industry and create awareness on professional ethics and safety courses.

The Secretary Mines and Minerals KP, Mr. Humayun Khan was the chief guest on the occasion. The Vice Chancellor, Prof. Dr. Iftikhar Hussain appreciated the efforts of the SME and Inspectorate of Mines, KP for conducting the seminar. Mr. Fazle Raziq, Chief Inspector Mines KP said the occupational health and safety in mines is critical for our survival as everything is dependent upon mining engineering. Dr. Noor Muhammad Meritorious Professor Department of Mining Engineering, UET Peshawar and Patron-in Chief, Society of Mining Engineers,



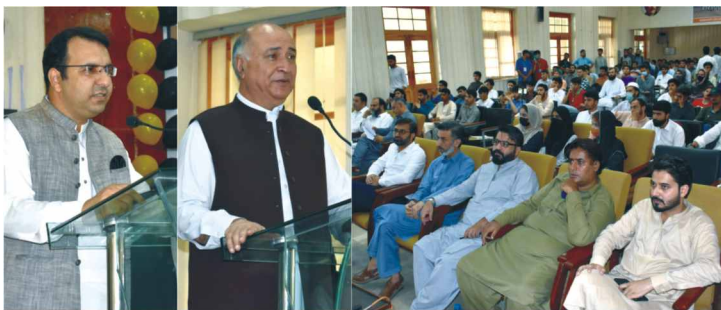
Prof. Dr. Sahar Noor Dean, Faculty of MCIE and Prof. Sadeeq Akbar also spoke on the occasion.

Future of App Industry

As part of Huawei Developer Ecosystem, Team Huawei conducted an orientation session on "The Future of App Industry" on 28th June, 2022. The session was aimed to create awareness about mobile app development and its uses. With rapidly growing industry, businesses are developing innovative mobile apps to attract their target customers. The speakers highlighted the dynamics through a detailed orientation followed by question answer session. The speakers highlighted that the future of mobile app development is bright which would not only create jobs, but will also help increase the product sales and revenue. Huawei prizes and gadgets were also distributed among students who successfully answered technical and academic questions on the topic. At the end, souvenirs were presented to the honorable guests.

TECH-FEST 2022

The Computer Cell Society, Department of Computer Science and Information Technology (CS&IT) UET Peshawar arranged a two day festival, "TECH-FEST 2022" from 15-16th June, 2022. With a range of competitions including, tech games, e-gaming and a series of workshops on Artificial Intelligence, Block Chain and Cyber Security, Vice Chancellor Prof. Dr. Iftikhar Hussain inaugurated the festival in presence of senior officials and the students. The activities are aimed to share the knowledge and develop computer skills which will test the participants' application of knowledge, physical strength, and computer skills through computer-based competitions. Dr. Sadeeq Jan, Chairman Department of CS&IT and Advisor Computer Cell Society said, young engineers need to learn about in-demand careers through such interactive sessions and job fairs. Prof. Dr. Amjad Ullah, Dean Faculty of Electrical & Computer Engineering, Dr. Khizar Azam Khan, Registrar, Dr. Iftikhar Ahmed, Director QEC, Dr. Nasir



Ahmed, Chairman Department of Computer Systems Engineering, Dr. Samad Baseer, Director Clubs & Societies and other senior faculty members were also present on the occasion.

GRE/ILETS

A one day interactive session on "GRE/ILETS " was organized by Department of Mechanical, UET Peshawar in collaboration with Brain Institute Peshawar on 9th June, 2022. Mr. Saad Amer, world GRE improvement record holder (with record score of 339/340) was keynote speaker of the session. The aim of the session was to give insight about GMAT/TOFEL, Scholarship, Personal Statement and letter of recommendation to the students.

PIChE-2022 Launched at the Department Chemical Engineering

The Department of Chemical Engineering arranged an interactive session of students with the Vice Chancellor, Prof. Dr. Iftikhar Hussain and other faculty members on 10th November, 2022. The opening ceremony of Pakistan Institute of Chemical Engineers (PIChE-2022) was also held during the event. The Department of Chemical Engineering has produced eminent graduates, serving the needs of the country. We provide you best facilities in our limited resource. Prof. Dr. Sahar Noor, Dean, Faculty of MCIE and Prof. Dr. Muddasar Habib, Chairman Department of Chemical Engineering also spoke on the occasion.

Net Zero Challenge

ORIC UET Peshawar in collaboration with National Incubation Center (NIC) Peshawar organized an awareness session on "Net Zero Challenge" on 28th November, 2022 in partnership with NIC Peshawar and Asia Foundation to address the climate change challenges. The Net Zero Challenge aims to empower students, graduates and faculty to better prepare and respond to the impacts of climate change with long-term approaches to protect our mother earth from the climate crisis.

The purpose of seminar was to orientate the student on pitching ideas for upcoming Net Zero Challenge – an opportunity for to identify and resolve climate related issues with technological tools and start their own startups while addressing the climate change problem.



Insights on Scholarships

A one-day seminar on "Insights on Scholarships" was organized by ASME UET Peshawar under the Supervision of Dr. Muhammad Alamzaib Khan, Advisor ASME UET Peshawar on 24th May, 2022. The guest speakers of the seminar were Mr. Waqar Baig, Assistant Professor Department of Electrical Engineering, FAST NUCES and Maryam Khan, Ph.D. fellow at Istanbul Zaim University. She is also a YTB scholar and Research Assistant at institute of Policy Studies at Islamabad. The speakers guided the audience regarding scholarships, fellowship and exchange programs. A question/answer session was also held at the end of seminar.

SDGs and The Role of Universities in KP

A one-day seminar on "SDGs and the Role of Universities in Khyber Pakhtunkhwa" was held on 16th November, 2022. The seminar was organized by ORIC UET Peshawar. Mr. Muhammad Sajjad, Social Economics Specialist, SDGs Support Unit, Department of Planning and Development, KP was the guest speaker of the seminar. He said, Pakistan adopted SDGs in 2016; constituted the parliamentary task force to achieve the targets at national level while at provincial level, SDGs units are set up in all the provinces to align plans of action, policies and resources in line with the Agenda 2030. Pakistan submitted its first SDGs report in 2019 and the second one in 2022. While highlighting the facts, he said, with 17 goals, 169 targets and 244 indicators under the SDGs altogether, universities need to localize their goals based on their domain and framework.

The speaker stressed the academia to help the Government find innovative approaches to accelerate the progress on SDGs. He urged the faculty to create the hype through evidence-based research and reduce the gap with the government by holding joint awareness sessions for the students on SDGs. He assured support for providing technical assistance to UET Peshawar on identifying up-to-date research topics now required by the SDGs Unit on Goal-3 (Good Health and Well-being), Goal-9 (Industry, Innovation and Infrastructure), Goal-12 (Responsible Consumption and Production) and Goal-17 (Partnerships to achieve the Goal).

Prof. Dr. Siraj-ul-islam, Dean Faculty of Architecture, Allied Sciences and Humanities while addressing as the chief guest said, UET Peshawar as the "SDGs engaged university" fully responds to the priorities set in various SDGs. He called for an inclusive and strategic approach for reducing the gap between the Government and academia. He assured that UET Peshawar will actively work for setting up a SDGs Unit that will serve as a bridge for active participation of all academic and government stakeholders so that problems set out by the 2030 Agenda are met holistically. Earlier, Dr. Nasru-Minullah, Director ORIC welcomed the participants and presented UET Peshawar's progress on SDGs to the audience.



Commercialization with Amazon Business

A one day seminar on "Commercialization with Amazon Business" organised by the Department of Computer System Engineering (DCSE) was held on 2nd November, 2022. The guest speaker of the seminar was Engr. Muhammad Faisal, Amazon Strategist, graduate of DCSE, UET Peshawar.

Engr. Muhammad Faisal, alumnus of DCSE, UET Peshawar made a detailed presentation on E-Commerce Business. He guided the students on some important facts and tips and gave orientation on interesting topics about Amazon and its business models, amazon brand building, what to sell on Amazon platform, how to sell on Amazon, "product hunting – a myth", software-hands on experience, where to fit yourself, how to get a client. A large number of students participated in this emerging e business forum.



Class Representatives (CRs) Conference

A one-day Class Representatives (CRs) Conference" was held at Video Conference Hall of UET Peshawar on 2nd March, 2022. The conference was organized under the supervision of Prof. Dr. Sahar Noor, Dean, Faculty of MCIE. The objective of the conference was to know about students' problems and resolve them to the students satisfaction. Prof. Dr. Sahar Noor, said that students are one of the most important stakeholders in the affairs of the University and their genuine satisfaction is our prime responsibility. UET Peshawar has initiated various activities for improving students' satisfaction. The Crs' conference is one of such initiatives which will help understand issues which create hindrance in students' learning. Prof. Dr. Sahar Noor, Dean MCIE, Dr. Hamid Ullah, Director Undergraduate Studies and Director Quality Enhancement Cell, Dr. Iftikhar Ahmad were the panelists. The Dean MCIE assured the students for resolving their issues. The CRs showed their satisfaction over the cooperation of the management.

Organizing Academic Research Paper – Hands-on Training on Referencing Tools

Dr. Muhammad Ajmal, Assistant Professor Department of Agricultural Engineering, UET Peshawar delivered a training on "Organizing Academic Research Paper – Hand on Training on Referencing Tools held on 18th October". He deliberated on research paper structure and referencing tools with hands-on practice to the participants. The training was organized by ORIC UET Peshawar, as part of faculty development program to support the faculty in PEC OBE accreditation process. At the end, Prof. Dr. Amjad Ullah, Dean, Faculty of Electrical and Computer Engineering presented the vote of thanks and gave away the completion certificates to the participants.

Improving Quality of Engineering Education for the Faculty of MCIE

A day-long training workshop on "Improving Quality of Engineering Education" for the faculty members of Mechanical, Chemical, Industrial, Mechatronics and Energy Engineering, UET Peshawar was held on 5th October, 2022 at USPCAS-E. The training was organized by Prof. Dr. Sahar Noor, Dean MCIE. The workshop was aimed to reaffirm the commitments towards quality teaching and research for improving satisfaction of the students.

Dr. Muhammad Aziz Ullah, Department of Basic Sciences and Islamiyat, gave a lecture on "Moral and Ethical Responsibilities to deliver as a Teacher." Dr. Khan Muhammad, Department of Mining Engineering gave a detailed presentation on "Interaction with Students in a University." Similarly, a presentation on "Overview of OBE system: focus on CEP, PBL, OEL, CQI and direct/indirect assessment" and "Overview of University Act. Statutes and Rules/Regulations" were delivered by Dr. Yasir Irfan Badrashi and Dr. Fayaz Ahmed, respectively.

Prof. Dr. Sahar Noor, Dean, Faculty of MCIE, Prof. Dr. Hamid Ullah, Secretary BOASAR, Prof. Dr. Misbah Ullah, Chairman, Department of Industrial Engineering and Prof. Dr. Muddasir Habib, Chairman, Department of Chemical Engineering UET, Peshawar participated in the panel discussion followed by a question-answer session.



Improving Quality of Engineering Education for the faculty of CAM & Architecture

A Two-day training workshop on "Improving Quality of Engineering Education" for the faculty members of Civil, Mining, Agricultural Engineering and Architecture, was organized by the Dean, Faculty of Civil, Agriculture and Mining Engineering, UET Peshawar from 28th – 29th September, 2022. The objective of the workshop was to reaffirm the commitments towards quality teaching and research for improving satisfaction of customers and students.

A detailed presentation on "Moral and Ethical responsibilities to deliver as a teacher" was given by Dr. Muhammad Aziz Ullah, Department of Basic Sciences and Islamiyat. Presentation on "Interaction with Students in a University" was delivered by Dr. Khan Muhammad, Department of Mining Engineering. Similarly presen-

tation on "Overview of OBE system: focus on CEP, PBL, OEL, CQI and direct/indirect assessment" and "Overview of University Act. Statutes and Rules/Regulations" were delivered by Dr. Yasir Irfan Badrashi and Dr. Fayaz Ahmed respectively. Prof. Dr. Sahar Noor, Dean MCEI, Prof. Dr. Siraj-ul-Islam, Dean AHAS, Director QEC, Dr. Iftikhar Ahmed Prof. Dr. Muhammad Ashraf, Department of Civil Engineering took part in the panel discussion and question answer session.

IGNITE Research Funding Opportunities

IGNITE in collaboration with ORIC conducted an informative session on Ignite's research funding opportunities 20 July, 2022. Mr. Zain Ul Abidin DG (SEED) Ignite while giving a detailed presentation briefed the participants on the R&I framework that revolves around three main categories. It includes the Challenge Driven Innovation Fund, Technology Development Fund and Competition Challenge. These activities are meant to stimulate collaborative and individual interdisciplinary research within the strategic priority areas including urban planning, Energy, Transportation, Communication system, health care, Agriculture, climate change, Virtual education, digital life etc. He said, Ignite will offer twenty grants in each category every year with special emphasis to those projects where female participation is evident. While the competition category will have hackathons in cyber security, robotics, health tech and EdTech categories to recognize the efforts of contestants.

The Vice chancellor, Prof. Dr. Iftikhar Hussain said UET Peshawar has received grants around Rs. 800 million from different funding agencies including HEC, Ignite, PSF and others. However, our researchers are eager to look for more cooperation with Ignite and look for more opportunities in future.



Prospects of Engineering & Technology in Current Economic Environment of Pakistan

A seminar on "Prospects of Engineering & Technology in current Economic environment of Pakistan" was held on 14th June 2022. The event was organized by ORIC UET Peshawar in support with ASHRAE UET Peshawar and co-sponsorship from Brains Institute Peshawar. The guest speaker of the seminar was Dr. Pervez Hoodbhoy, a renowned physicist of Pakistan. The speaker briefed the students and highlighted various aspects of Engineering and Technology in current economic situation.

UET Peshawar and SNGPL Ink MoU

UET Peshawar and Sui Northern Gas Pipelines Limited (SNGPL) entered into collaboration on 4th April, 2022 where SNGPL will sponsor a chair on "Gas Engineering" in the Department of Chemical Engineering (DCE), UET Peshawar. For this purpose, SNGPL will provide a sum of Rs. 2.0 million on annual basis to establish a research laboratory in the Department of Chemical Engineering to promote research work on gas engineering and strive to induct the same in the curriculum of Chemical Engineering. UET Peshawar will provide expertise for research to find solutions to the technical problems faced by SNGPL. The Vice Chancellor Prof. Dr. Iftikhar Hussain and Engr. Amjad Mumtaz, General Manager SNGPL Lahore signed the MoU.

Engr. Amjad Mumtaz, GM SNGPL while speaking on the occasion greatly appreciated the expertise provided by the Department of Chemical Engineering in resolving the technical problems faced by SNGPL. In the end, he reiterated the resolve of SNGPL for continued support to the project. The Registrar, Engr. Dr. Khizar Azam Khan, UET Peshawar, Engr. Kashif Salman, Deputy Chief Engineer, SNGPL Lahore, Engr. Saeed Khan, Executive Engineer SNGPL, Engr. Waqas Iqbal, Executive Engineering, Muhammad Zubair, Senior Engineer, Dr. Naseer Ahmed Khan, DCE UET and Engr. Amad Ullah Khan, DCE UET were also present on the occasion.

expressed hope that this MoU will help in benefiting the engineering students to come up with sustainable solutions for renewable energy sector. Earlier, Dr. Nasru Minallah, Director ORIC, UET Peshawar highlighted the importance of the MoU. The Registrar Engr. Dr. Khizar Azam Khan in his closing remarks urged the need that both institutions should work together and solve practical issues of Jalozi Campus. He appreciated the efforts of ORIC and Prof Dr Gulzar Ahmad, Chairman Electrical Engineering Departments for putting up sincere efforts.



UET Peshawar and Pakistan Tobacco Board Ink MOU

UET Peshawar and Pakistan Tobacco Board entered into collaboration on 24th May, 2022 where National Center for Big Data and Cloud Computing (NCBC) UET Peshawar, (NCBC) and Pakistan Tobacco Board (PTB), Peshawar PTB will work together on the Detection & Estimation of Tobacco Crop through Geographic Image Analysis for the Period of 2022 to 2023. The documents were endorsed by Dr. Waqas Gilani Chief Statistical Officer PTB and Director ORIC Dr. Nasru Minallah in presence of Vice Chancellor Prof. Dr. Iftikhar Hussain. Secretary PTB Dr. Qaizar Ahmed said, PTB will support the NCBC to identify fields of Tobacco in their respective regions through GPS and assist NCBC in sharing the statistical Tobacco crop and yield related information to enhance the NCBC system for improved Tobacco analysis. NCBC, as per UET consultancy policy will provide services in detection of Tobacco Fields, through advanced geographic image analysis with NCBC's state of the art Remote Sensing Technologies. Prof. Dr. Iftikhar Hussain said, KPK is the largest



UET Peshawar and Green Wend Energy Peshawar Sign MoU

UET Peshawar entered into collaboration with the Green Wend Energy Peshawar, a private company working in renewable energy sector since 2013. The MoU was signed on 12th May, 2022 to develop joint projects for developing cost effective and viable renewable energy power products. The documents were duly endorsed by Prof. Dr. Amjad Ullah, Dean Electrical and Computer Engineering UET Peshawar and Mr. Zeeshan Syed Shah CEO Green Wend Energy Peshawar in a MoU signing ceremony held here today. The MoU aims on research and technology development, academic collaboration in areas of mutual interests, fostering industry linkages and organizing capacity building events. Zeeshan Syed Shah said the company since its establishment has installed more than 50MW projects in KPK and employed 20 graduates of UET Peshawar which are working in field. Prof Dr. Hamid Ullah Secretary BOASAR



tobacco producer as more than 50pc tobacco is produced in KPK as compared to other regions adding, it is important that experts from both institutions gain maximum benefit of this resource for national economy

Prof. Dr. Hamid Ullah thanked the PTB team. He urged the need to engage postgraduate students in field work and internship opportunities to the undergraduate students. He assure his continuous support on behalf of BAOSAR to enhance research activities through industry academia linkage.

UET Peshawar and National Incubation Center (NIC) Peshawar Sign MoU

UET Peshawar entered into collaboration with the National Incubation Center (NIC) on 3rd November, 2022. The documents were duly endorsed by Dr. Nasru Minallah, Director ORIC and Mr. Asim Ishaq, Project Director NIC in a MoU signing ceremony held at NIC. The ceremony also witnessed agreements signed with the University of Swabi, Shaheed Benazir Bhutto Women University Peshawar, IM Sciences Peshawar and Pak-Austria Fachhochschule (PAK-IASST), Haripur. This consortium of partnerships aims to seek innovative ideas and solutions by the universities to come up with indigenous ideas addressing climate change issues, faced by Pakistan. It will support youth to scale up their projects/ business solutions through financial and technical support from the funding institutions.

Mr. Saif Nasir, Program Lead NIC gave a briefed presentation and highlighted the significance of the program. Mr. Ishaq Asim, Project Director NIC Peshawar informed that the initially 40 students will be selected from each partner university to present their innovative ideas while Tech Camps will be arranged and small seed grants will be provided to the students for pilot projects, he added.



UET Peshawar and Karwan-e-Ilm Foundation Ink MOU

The Karwan-e-Ilm Foundation will offer ten scholarships to the deserving and talented students of UET Peshawar at Undergraduate level for the academic session 2022-2023. This was decided in a MOU ceremony held on 23rd June, 2022. The documents were endorsed by the Vice chancellor, Prof Dr. Iftikhar Hussain and Director Karwane-e-Ilm Foundation, Khalid Irshad Soffi in presence of senior officials of UET Peshawar.

The primarily objective of Karwan-e-Ilm Foundation's financial assistance is to support the talented and deserving students from across

Pakistan at all levels for achieving their educational objectives. The scholarships awarded to UET Peshawar will holistically cover the expenses of the students including semester fee, hostel fee, stipend and other expenses so that they do not get struck at any stage of their engineering education. Director Student Affairs, Prof. Dr. Gulzar Ahmad appreciated the Karawan-e-Ilm Foundation's initiative for offering a comprehensive coverage through scholarship program. He said, UET Peshawar would reach out to other donor organisations so that gap could be covered due to decrease in Government funding. Dean ECE, Prof. Dr. Amjid Ullah, Chairman Electrical Engineering Department, Prof. Dr. Syed Waqar Shah, Treasurer Prof. Dr. Misbah Ullah, Director ORIC, Dr. Nasru Minallah and Director Media Dr. Shamaila Farooq were also present on the occasion.



UET Peshawar, Dynea Pakistan Ink MoU

UET Peshawar and Dynea Ltd, Gadoon-Khyber Pakhtunkhwa entered into collaboration on 4th November, 2022 for joint applied research. Mr. Mirza Hussain, General Manager Dynea Pakistan Ltd. and Vice Chancellor, Prof. Dr. Iftikhar Hussain signed the MoU. The purpose of MOU is to bring academia industry together to create industrial development in chemical process industry and related fields through joint research projects, trainings and student internships. Prof. Dr. Iftikhar Hussain said UET Peshawar is actively involved in bridging with industry, "under the PEC guidelines, all engineering programs are now accredited under the Washington Accord's Outcome Based Education system and UET Peshawar has also secured a top place in Khyber Pakhtunkhwa / Pakistan under the Times Higher Education (THE) World Impact Ranking 2022", he added.

Dynea Ltd is a Norway based multi-national company and Dynea Pakistan is a leading manufacturer of adhesive and surfacing solutions in Pakistan, operational in Hub - Balochistan and Gadoon - Khy-



ber Pakhtunkhwa. The company is engaged in the production and sale of formaldehyde, urea and adhesives, molding compounds and glazing powder etc.

Prof. Dr. Hamid Ullah Secretary BOASAR urged the management of Dynea Pakistan to participate in the Industrial Advisory Boards of relevant engineering departments to share their experiences with faculty and adopt best practices and advances in the engineering curriculum.

UET Peshawar, SIMBRI Construction Solutions, Lahore Sign Commercial Licensing Agreement

UET Peshawar and SIMBRI Construction Solutions, Lahore (SCSL) signed a commercial licensing agreement for "SIMBRI Flyash Bricks" a joint applied research for the development of sustainable construction materials on 19th December, 2022. Dr. Tariq Khalil, Manager ORIC UET Peshawar and Mr. Syed Salman Al-husainy, Chief Operation Officer SCSL signed the agreement witnessed by senior officials of UET Peshawar and SCSL.

The Vice Chancellor, Prof. Dr. Iftikhar Hussain said, UET Peshawar is a leading engineering university of the province and is doing significant work in the fields of civil engineering that leads to environmental friendly product development in construction industry. He said, UET Peshawar is actively involved in bridging university with industry through its ORIC office. He appreciated the efforts of Prof. Dr. Khan Shahzada and his team who carried out the research for "SIMBRI Flyash Bricks" and Director ORIC Dr. Nasru Minallah.

Mr. Syed Salman Al-husainy said SCSL believes in bringing corporate culture in construction industry and that is the main purpose of signing this agreement 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 flyash bricks which are sustainable, environment friendly and low cost product.

Earlier, Prof. Dr. Khan Shahzada gave a presentation on the research carried out for "SIMBRI Flyash Bricks" and highlighted its significance. 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.

Prof. Dr. Hamid Ullah, Secretary BOASAR, termed the product sustainable and beneficial for end user. There is no end to development, by adding new features and characteristics the product can be improved more efficient as per customer needs, he added.



PEDO, HPP France, USPCAS Energy UET Peshawar Sign MoU

A Center of Excellence in Micro Small Hydro Technology will be set up at USPCAS-E, UET Peshawar to strengthen the local manufacturing and standards of quality testing of mini-micro hydro technology in Khyber Pakhtunkhwa. The MoU, in this respect was signed by Pakhtunkhwa Energy Development Organization (PEDO), Hydro Power Plant (HPP) France and USPCAS-E Energy on 5th December, 2022. The documents were duly endorsed by the Vice Chancellor, Prof. Dr. Iftikhar Hussain, Dr. Kamil Tarar, Office Pakistan Representative HPP France and Mr. Qazi Muhammad Naeem, Chief Executive Officer PEDO at the commencement of the International Conference on "Sustainable Energy Technologies", organized by the USPCAS-E UET Peshawar.

Despite enormous potential of hydropower in Khyber Pakhtunkhwa the main barrier in developing the micro and small hydro projects is the lack of technical expertise of international standards to manufacture hydro turbines in Pakistan. The MoU is aimed to establish the Center of Excellence in Micro Small Hydro Technology through technical and financial assistance of PEDO and HPP France, respectively to resolve the pressing issue of energy crisis in Pakistan. As part of MoU, HPP France will also conduct trainings of professionals in micro and small hydro turbine manufacturing and provide European standard micro and small hydro technologies.



FF Steel, UET Peshawar Sign MoU

FF Steel (Pvt) Ltd. and UET Peshawar signed a memorandum of understanding (MoU) on 24th March, 2022. Prof. Dr. Rizwan Gul, Chairman, Department of Mechanical Engineering and Muhammad Khurram Shahzad, Chief Human Resource Officer FF Steel signed the MoU in presence of senior officials. The MoU will lead towards joint outreach activities, internship opportunities and Trainee Engineers Program through this academia industry linkage.



Urdu Mushaira & Qawali Night

The “Literary & Debating Society (LDS)” UET Peshawar organized the “Urdu Mushaira & Qawali Night” at the Department of Mechatronics Engineering, UET Peshawar on 29th June, 2022. Renowned poets from across Pakistan including Dr. Nehar Ullah, Mr. Nasir Ali Syed, Mr. Aziz Ijaz, Mr. Mushtaq Shabab, Mr. Shakeel Ahmed Nayyab, Mr. Izhar Ullah Izhar, Ms. Bushra Farukh, Dr. Syed Zubair Shah, and Mr. Nazeer Tabassam attended the event. Dr. Nasir Ahmad, Advisor LDS and Danyal Yasir, President LDS welcomed the guests.

Meanwhile, famous Qawal Ustad Naeem Khan Santoo and his team presented their melodious Qawali's. Hindko singer Rafaqat Ali Awan & Pashto singer, Dr. Adil Sanan also performed on the occasion.

Pashto Mushaira

The “Pashto Literary Society” UET Peshawar arranged the first ever "Pashto Mushaira" on 30th June, 2022. Poets from Khyber Pakhtunkhwa graced the occasion with their presence. Prof. Dr. Afzal Khan, Advisor Pashto LDS and President Mian Saqib Shah welcomed the guests. Dr. Sher Zaman Seemab, Dr. Izhar Ullah Izhar and Mrs. Sameena Qadir were the chief guests of Mushaira. Moreover, Dr. Nihar Ullah, Zafar Khan Zafar, Safdar Ali Safdar, Dr. Bashir Stooray and Adv. Sarwar yousafzai presented their melodious poetry pieces.

An anti narcotics drive was also included to raise awareness among students regarding the use of abusive drugs. The activity highlights the UN Sustainable Goal (SDG) “Good Health and Well-being” SDG No. 3. Prof. Dr. Abdul Shakoor, Chief Proctor, UET Peshawar, Engr. Fazl Yazdan and Engr Fakhr Alam, other faculty members and a large number of students were presence on the occasion. At the end, Prof. Dr. Afzal Khan Provost UET Peshawar presented certificates to the participants.



Youth Robo Tech 22

Two-day national level mega event, “Youth Robo Tech 22” was organized by the Department of Mechatronics Engineering from 22nd – 23rd January, 2022. The chief guest of the closing ceremony was Abdul Karim Tordher, Former Special Assistant to Chief Minister, KP for Industries and Commerce while Chairman Paki-

stan Science Foundation (PSF), Prof. Dr. Shahid Mahmood was the guest of honor. In total 330 teams from school, colleges, universities and madrass's participated in the event from across Pakistan. The Vice Chancellor Prof. Dr. Iftikhar Hussain, welcomed the participants at the closing ceremony. He appreciated the efforts of Prof. Dr. Tahir Khan, Chairman, Department of Mechatronics Engineering for arranging the mega event. Prizes and certificates were distributed among the winners at the closing ceremony.

IPE Team Visits UET Peshawar

The Institutional Performance Evaluation (IPE) was performed by an independent panel headed by Prof. Dr. Nauman Habib from 31st May 2022 to 2nd June, 2022. Other members of the panel included Dr. Alamzeb Aamir, Prof. Dr. Saeed Gul and Dr. Muhammad Ajmal. The panel evaluated the performance of the University against the eleven standards outlined by HEC, and showed satisfaction on the quality maintained by UET Peshawar.



Orientation Session on Automation of Academic Activities at CED

Prof. Dr. Irshad Ahmed, Chairman, Department of Civil Engineering briefed the senior management and Heads of Departments on automation of academic activities at CED on 24th May, 2022. The software has significant features including online attendance, Re-registration of courses, “Pro Dat”, online Final Year Project Assessment tool and online certificate tool. The Vice Chancellor, Prof. Dr. Iftikhar Hussain and Registrar, Dr. Khizar Azam Khan appreciated the team for setting the whole management system through online which will be helpful in updating the academic records of students. They directed the departments to get training from CED team and relocate the tools in their departments as well. The Registrar appreciated the dedicated efforts of faculty on improving the facilities through personal resources.

JAC HEC and Ministry of Finance discuss budgetary requirements of universities

A meeting of joint Assessment Committee HEC and Ministry of Finance was held at UET Peshawar under the chairmanship of Mr. Munir Ahmed, Senior Joint Secretary (expenditures) Ministry of Finance on 4th & 5th March, 2022. The agenda of the meeting

was to discuss and assess the budgetary requirements of federally funded Universities/DAIs of KP region. The meeting was also attended by Mr. Ghulam Nabi, Director General (Finance), Ms. Samina Durrani, Director Budget, Ms. Ayesha Hina Farooq, Deputy Director Budget and other officials from Ministry of Finance, HEC and Universities.

Youth Tech Festival Mardan

UET Peshawar ORIC team participated in the "Youth Tech Festival Mardan" organized by Abdul Wali Khan University, Shankar Campus, Mardan on 3rd March, 2022 where different universities and industries from Khyber Pakhtunkhwa took part in show casing startups, Research Projects, Scientific Exhibits, and Robotic Competitions.

Winners of NIB Receive Awards

An award distribution ceremony of winners of the National Ideas Bank 2022 for Khyber Pakhtunkhwa was held on January 7, 2022. The event completion was organised by the ORIC UET Peshawar.



The winners of NIB 2021 were given recognition and awards by Mr. Kamran Bangash Former Provincial Minister for Higher Education. National Idea Bank (NIB) is the initiative of the Honorable President of Pakistan, Dr. Arif Alvi, and was inaugurated by him in February 2021 at his presidency.

NIB is a platform to recognize and support innovative ideas in Pakistan. In total 700 ideas were short listed at provincial level. Yousaf Javed got the first position in construction category and received cash award of Rs 75000, Asid Habib secured first position in Agriculture category with cash award of 25,000.

LDS Holds Art Exhibition "Kaawish"

The Literary and Debating Society (LDS) arranged a three-day Art Exhibition from 18th-20th January 2022. As many as thirty Higher



Education institutions colleges and schools participated in the exhibition in which different competitions were held including painting, sketching, model making, skits, face painting, poster paintings, debates, essay writing, poetry, calligraphy and hennah. Dean Faculty MCI Prof. Dr. Sahr Noor was the chief guest while the Registrar, Dr. Khizar Azam Khan were also present on the occasion.

UET Peshawar Celebrates Independence Day

UET Peshawar and its constituent campuses celebrated the 75th Anniversary / Diamond Jubilee of Pakistan's Independence Day on 14 August 2022 with great zeal. The main campus was fully decorated with illuminations, national flags, banners, and buntings to give a festive look. For this purpose, a Flag hoisting ceremony was held where Vice Chancellor Prof Dr. Iftikhar Hussain was the Chief



Guest in presence of senior faculty and Deans of faculties. With this, the management also launched the Spring 2022 plantation campaign.

UET Peshawar Organizes the Seerat-un-Nabi (SAW) Conference

UET Peshawar organized a Serat-e-NABI (PBUH) conference on 24th November 2022 in which speeches and Naat competitions were held. The speeches elucidated the peace full aspects from the life of Holy Prophet Hazrat Muhammad (PBUH) and how HE (PBUH) revolutionized the Arab society. The motive of this conference was to elucidate the peaceful aspects from the life of Hazrat Muhammad (SAW) and to educate people about how he revolutionized the human lives. The Pro-Vice Chancellor Prof. Dr. Qaisar Ali and Dr. Muhammad Aziz Ullah, Assistant Professor Basic Sciences Department spoke on the occasion.



International Anti-Corruption Day

The Literary Debating Society, in collaboration with National Accountability Bureau (NAB) Peshawar organized a one day awareness seminar on November 10, 2022 to mark the International Anti-Corruption Day. Prof. Dr. Sahar Noor, Dean MCIE was the chief guest on the occasion while Dr. Nehar Ullah Advisor LDS and Prof Dr. Khizar Azam Khan, Registrar also spoke on the occasion.

Lauding the organizers for raising awareness among the youth against the menace of corruption, Prof. Dr. Sahr Noor, said corruption was the most serious social evil of any society. He said the irregularities and malpractices in all departments and walks of life should be discouraged. Chief Proctor, Prof. Dr. Abdul Shakoor and Provost, Prof. Dr. Afzal Khan gave away awards and shields to the winners of essay competition in which Syed Arifa and Zainab (Department of Computer Systems Engineering) got first position in English category and Urdu category, respectively. Later, an awareness walk was also arranged, attended by faculty and participants.



Blood Donation Camp Held

The Regional Blood Center (RBC), Department of Health Khyber Pakhtunkhwa in collaboration with Directorate of Clubs and the Rotract Student Society organized a Blood Camp on February 23 rd 2022. The camp activities included blood screening and blood donation. Prof. Dr. Sahar Noor, Dean MCEI appreciated the efforts of President Rotract Society, Zeeshan and Director Clubs Samad Baseer. He also appreciated Mr. Sarfaraz Ahmad and Mr. Abad-ur-Rehman Donor Motivators (RBC) on putting hard work for the noble cause.



SNGPL Sponsors Chair on Gas Engineering at the Department of Chemical Engineering

The Vice Chancellor, Prof. Dr. Iftikhar Hussain also inaugurated a well equipped Gas Engineering Lab at the Department of Chemical Engineering, UET Peshawar on November 2022. The Lab. is established as part of funding by the Sui Northern Gas Pipelines Limited (SNGPL) to sponsor a Chair on Gas Engineering at Department of Chemical Engineering, UET Peshawar. The project is sponsored by SNGPL through annual grant of Rs. 2.0 million whereas UET Peshawar provides expertise for research to find solutions to the technical problems faced by SNGPL. Prof. Dr. Misbah Ullah, Treasurer, Dr. Khizar Azam Khan, Registrar UET Peshawar, senior faculty members and students were present on the occasion.



Spring 2022 Tree Plantation Campaign Launched

A tree plantation drive regarding spring season was launched at UET Peshawar. The Vice Chancellor, Prof. Dr. Iftikhar Hussain, faculty members and students planted saplings in various parts of the college during the inauguration of campaign on March 29th, 2022. The plantation drive was part of **Clean and Green Pakistan**



initiative. Prof. Dr. Iftikhar Hussain alongwith senior faculty and students planted saplings on campus. He said, the highly climate-vulnerable Pakistan cannot cope with climate risks, particularly floods, torrential rains, decertification, sea-level rise and heat waves, which have become increasingly frequent due to global warming impacts, without increasing tree shade.

Engr. Muhammad Kamran Shireen Successfully Defended His Ph.D. Thesis

Engr. Muhammad Kamran Shireen, Ph.D. scholar of UET Peshawar successfully defended his thesis in a public seminar on 4th March, 2022. His research topic was "Designing Novel Hybrid Reconfigurable Technique for Microstrip Patch Antennas for 5G Applications". His Ph.D. supervisor was Dr. Muhammad Irfan Khattak, Department of Electrical Engineering UET Peshawar.

Mr. Aizaz Ahmad Khan Successfully Defended His Ph.D. Thesis

Mr. Aizaz Ahmad Khan, Ph.D. scholar of UET Peshawar defended his thesis on 8th March, 2022. The topic of his Ph.D. research was "Reducing Resource Collisions in D2D Vehicular Communication". His Ph.D. supervisor was Dr. Syed Adeel Ali Shah, Department of Computer Science and Information Technology, UET Peshawar.

Engr. M. Adeel Arshad, Successfully Defended His Ph.D. Thesis

Engr. Muhammad Adeel Arshad, Ph.D. Scholar completed his Ph.D. research from the Department of Civil Engineering, UET Peshawar and defended his thesis on 12th March, 2022. The topic of his Ph.D. research was "Assessment of Fatigue Life of Reinforced Concrete Highway Bridges under Traffic Loading in Pakistan". His Ph.D. supervisor was Dr. Mohammad Fahad (Department of Civil Engineering) and the co-supervisor was Prof. Dr. Akhtar Naeem Khan (Tamgha Imtiaz).

Engr. Saira Shireen, Successfully Defended Her Ph.D. Thesis

Engr. Saira Shireen, Ph.D. scholar of UET Peshawar, completed her Ph.D. research from the Department of Mining Engineering and defended her thesis on 12th March, 2022. The topic of her thesis was "Development of Conceptual Framework for Managing Workplace Hazards in Surface Mining Industry of Pakistan". Her supervisor was Prof. Dr. Noor Muhammad.

Mr. Muhammad Nawaz Khan, Defended His Ph.D. Thesis

Mr. Muhammad Nawaz Khan, completed his Ph.D. research from the Department of Basic Science and Islamic Studies. He defended his thesis on 5th April, 2022. His research topic was "Radial basis functions approach for partial differential equations with specific applications". His Ph.D. supervisor was Dr. Altaf Hussain, Department of Basic Sciences and Islamiat.

Engr. Kaleem Ullah Successfully Defended His Ph.D. Thesis

Engr. Kaleem ullah, Ph.D. Scholar completed his Ph.D. research from the Department of Electrical Engineering and successfully defended his thesis on 30th May, 2022. The topic of his Ph.D. thesis was "Optimizing automatic generation control strategy for secure power system operation". His supervisor was Dr. Abdul Basit, Department of Electrical Engineering, UET Peshawar.

Mr. Khalid Saeed Successfully Defended His Ph.D. Thesis

Mr. Khalid Saeed, completed his Ph.D. research from the Department of Computer Science and Information Technology and successfully defended his thesis on 11th June, 2022. The topic of his

Ph.D. thesis was "Towards secure and energy efficient routing scheme for underwater wireless sensor network". His supervisor was Dr. Wajeeha Khalil, Department of Computer Science and Information Technology, UET Peshawar.

Engr. Awais Khan Successfully Defends His Ph.D. Thesis

Engr. Awais Khan, Ph.D. Scholar completed his Ph.D. research from the Department of Electrical Engineering and successfully defended his thesis on 14th June, 2022. The topic of his Ph.D. thesis was "Mutual coupling reduction in ultra wide band MIMO antenna". His supervisor was Dr. Shahid Bashir, Department of Electrical Engineering, UET Peshawar.

Engr. Zahid-ur-Rehman and Engr. Sajjad Hussain Successfully Defended Ph.D. thesis.

The Ph.D scholars, Engr. Zahid-ur-Rahman and Engr. Syed Sajjad Hussain, Department of Mining Engineering, successfully defended their Ph.D thesis on 17th June, 2022.

The topics of their Ph.D research thesis were "Numerical modeling for the dynamic analysis of rock mass behavior and tunnel design in northern areas of Pakistan" and "Rock mass characterization and numerical modeling for tunnel design in north of Pakistan" respectively. Their supervisor was Prof. Dr. Noor Muhammad, former chairman of the Department of Mining Engineering.

Engr. Irfan Ahmad Khan Successfully Defended His Ph.D. Thesis.

Engr. Irfan Ahmad Khan, Ph.D. Scholar of National Institute of Urban Infrastructure Planning (NIUIP), UET Peshawar, successfully defended his Ph.D. thesis on 18th June, 2022. The topic of his Ph.D. thesis was "Concept of Zero Waste in Marble Industry: A Dynamic Approach". His Ph.D. supervisor was Prof. Dr. Rashid Rehan, Director of NIUIP, UET Peshawar.

Engr. Imran Khan Swati Successfully Defended His Ph.D. Thesis

Engr. Imran Khan Swati completed his Ph.D. research from the Department of Chemical Engineering and defended his thesis on 28th July, 2022. His thesis topic was "Post-Combustion Co2 Capture; from Membrane Synthesis to Module Intensification". Engr. Imran Khan Swati's Ph.D. supervisor was Prof. Dr. Mohammad Younis, Department of Chemical Engineering, UET Peshawar.

Engr. Amad Ullah Khan Successfully Defended His Ph.D. Thesis

Engr. Amad Ullah Khan, completed his Ph.D. research from the Department of Chemical Engineering and defended his thesis on 2nd August, 2022. The topic of his Ph.D thesis was "Characterization and Up-gradation of KP Coal for Sustainable and Safe Operation". His Ph.D supervisor was Prof. Dr. Mudassar Habib, Chairman, Department of Chemical Engineering, UET Peshawar.

Engr. Haseeb Ahmad Khan Successfully Defends His Ph.D. Thesis

Engr. Haseeb Ahmad Khan, completed his Ph.D. research from the Department of Electrical Engineering and defended his thesis on 5th August, 2022. The topic of his Ph.D thesis was "Tunable high performance electromagnetic induced transparency in

plasmonic nanosturctures". His Ph.D supervisor was Prof. Dr. Syed Waqar Shah, Chairman, Department of Electrical Engineering, UET Peshawar).

Engr. Akhtar Gul, Successfully Defended His Ph.D. Thesis

Engr. Akhtar Gul, Ph.D. completed his Ph.D research from the Department of Civil Engineering successfully and defended his thesis in a public seminar on 11th August, 2022 His Ph.D supervisor was Prof. Dr. Bashir Alam, Department of Civil Engineering, while his co-supervisor was Prof. Dr. Khan Shahzada, Department of Civil Engineering UET Peshawar.

Miss Nasra Begum Successfully Defended Her Ph.D. Thesis

Miss. Nasra Begum, Ph.D. scholar of UET Peshawar, completed her Ph.D. research in mathematics from the Department of Basic Science and Islamic Studies and defended her thesis on 22nd August, 2022. The topic of her Ph.D thesis was "Modeling and simulation of multi-model images in image registration". Her supervisor was Dr. Noor Badshah (Department of Basic Science and Islamiat, UET Peshawar).

Engr. Bilal Khursheed Successfully Defended His Ph.D. Thesis

Engr. Bilal Khursheed, completed his Ph.D. research from the Department of Industrial Engineering and successfully defended his thesis on 25th August, 2022. The topic of his Ph.D. thesis is "Optimization of scheduling problems using artificial intelligence techniques". His Ph.D. supervisor is Prof. Dr. Shahid Maqsood, Chairman, Department of Industrial Engineering, UET Jalozai Campus.

Mr. Hameed Ullah Jan, Successfully Defended His Ph.D. Thesis

Mr. Hameed Ullah Jan, completed his Ph.D. research from the Department of Basic Science and Islamiat and defended his Ph.D. thesis on 25th August, 2022. His Ph.D. research topic was "Numerical study of some dispersive wave equations and their eventual periodicity using mesh free methods "and his Ph.D supervisor was Dr. Marjan uddin, Department of Basic Science and Islamiat.

Engr. Gul Rukh Khattak Successfully Defends Her Ph.D. Thesis.

Engr. Gul Rukh Khattak, Department of Electrical Engineering successfully defended her Ph.D thesis on 13 September, 2022 in the Video Conference Hall, UET Peshawar. The supervisor of her Ph.D was Dr. Gul Muhammad Khan, Department of Electrical Engineering, UET Peshawar, Dr. Sofia Vallecorsa and Dr. Federico Carminati from CERN. CERN is a leading European Organization for Nuclear Research, is one of the world's largest and most respected centers for scientific research.

Engr. Fasih Ahmed Khan and Engr. Saad Ejaz Majeed Successfully Defended Their Ph.D. Thesis.

The Ph.D. Scholars, Engr. Faseeh Ahmed Khan, Department of Civil Engineering and Engr. Saad Ejaz Majeed from the Department of Electrical Engineering, UET Peshawar successfully defended their Ph.D. thesis on 20th and 21st October, 2022. Engr. Fasih Ahmed Khan's supervisor was Dr. Sajjad Wali Khan, Department of Jalozai Campus while Engr. Saad Ejaz's supervisor was

Prof. Dr. Syed Waqar Shah, Chairman, Department of Electrical Engineering UET Peshawar.

Engr. Atif Jan, Ph.d. Successfully Defended His Ph.D. Thesis

Engr. Atif Jan, Ph.D. completed his Ph.D. research from the Department of Electrical Engineering and successfully defended his thesis in a public seminar on 11th November, 2022. Engr. Atif Jan's supervisor was Dr. Gul Muhammad Khan, Department of Electrical Engineering, UET, Peshawar.

Mr. Hijaz Khan Successfully Defends His Ph.D. Thesis

Mr. Hijaz Khan, Ph.D. completed his Ph.D. research from the Department of Basic Science and Islamiat and defended his Ph.D. thesis in a public seminar on 13th December, 2022. Hijaz Ahmad's Ph.D. supervisor was Dr. Tufail Ahmad Khan, Department of Basic Science and Islamiat, UET Peshawar.

Dr. Ruhul Amin Khalil Honored With the Best Poster Award

Dr. Ruhul Amin Khalil, Lecturer Department of Electrical Engineering, UET Peshawar won, "The Best Poster Award-2nd place" where he participated at "The Research Poster Competition" at the 3rd China-Pakistan Marine Information (CPMI) Workshop on November 16, 2021, at COMSATS University Islamabad (CUI), Wah Cantt Campus.



This was jointly organized by Harbin Engineering University China and Comsats University Islamabad. The Award Selection Committee included Prof. Dr. Yi Luo from Harbin Engineering University, Dr. Niaz Ahmad, and Dr. Muhammad Abid from COMSATS University Islamabad (Wah Cantt Campus).

Dr. Ruhul Amin has also published the article "Towards the Internet of Underwater Things: Recent Developments and Future Challenges" in IEEE Consumer Electronics Magazine in 2021 and received "The BEST PAPER AWARD-3rd Place". His article has been selected amongst the 1763 articles submitted to IEEE Consumer Electronics Magazine in 2021. The award-giving ceremony was held on 7 - 9 January 2022 at IEEE Headquarters, New York, USA. IEEE Consumer Electronics Society gives "3 BEST PAPER AWARDS" to the most exceptional and featured articles published in IEEE Consumer Electronics Magazine every year. This is one of the most prestigious journal publication awards given to researchers around the world by the Award Selection Committee, IEEE Consumer Electronics Society.

Inter-varsity Games Organized by Government of Khyber Pakhtunkhwa

UET Peshawar's students (male and female) participated in the Inter-Varsity games organized by the Government of Khyber Pakhtunkhwa from 19th - 23rd October, 2022. The male teams took part in Cricket, Football and Volleyball while female teams participated in Cricket, Volleyball and Badminton under the supervision of Director Sports, UET Peshawar.



Inter-Departmental Games 2022 held

The Inter-departmental Games 2022 were held from 20th -26th January 2022. The event was organized by the Directorate of Sports included in-door games and out-door sports i.e Lawn Tennis, Basket Ball, Volley Ball, Cricket, Badminton, Futsal. Eleven Departments participated in different competitions where out of 400 players, 42 were awarded with different positions.



UET Jalozai Holds the Inter-Campuses Sports JC Arena 2022

The week long Inter-Campuses Sports (JC-ARENA 2022) was held from 17th -22nd February 2022 at UET Jalozai Campus. The event was organized by the Directorate of Sports, LDS and Jalozai Sports Society. Different teams from Kohat Campus, Bannu Campus, Abbotabad Campus, Peshawar (Main Campus) and Jalozai Campus participated at the event for the sports including Badminton, Basket Ball, Volley Ball, Cricket and Futsal. In addition, Car Show, Book fair Food Stalls were also included that made it a colorful event.

Speaking at the event, Prof. Dr. Shahid Maqsood Coordinator Jalozai Campus welcomed the participating teams and faculty. He said, UET Jalozai Campus is holding academic and extracurricular activities on regular basis. This was the first-ever event of its kind where all campuses took keen interest and joined the Jalozai Campus.



The Vice Chancellor Prof Dr. Iftikhar Hussain was the chief guest on the occasion . He said a strong body was essential for a healthy and strong mind, but regretted that social media use and online games kept the youth away from the sports fields. He gave away shields and awards to the winners of different competitions. Prof Dr Sahar Noor Dean and Chairman Sports committee said, our aim is to attract the youth towards healthy activities and bring new talent to the fore. "It is commendable that there is no lack of talent in the university but such talent needs to be polished," he added. Treasurer Prof. Dr Misbah Ullah, Registrar Prof Dr Khizar Azam and Deans of Faculties, senior faculty and students were also present on the occasion.



Sports Expo 2022



The Sports Expo 2022 was commenced with a colourful opening ceremony on 24th June, 2022. Prof. Dr. Sahar Noor, Dean MCI, graced the occasion as Chief Guest. Senior faculty members including Chief Proctor, Prof. Dr. Abdul Shakoor, Director Sports Muhammad Ali and Provost, Prof. Dr. Afzal Khan were also present. The opening ceremony was marked by formal declaration of opening of Sports Expo 2022 Games.

The President, UET Student Sports Society, Zeeshan Haider welcomed the participating teams from public and private universities. The teams from various universities competed in different out-door and in-door games played during the Expo including Table Tennis, Lawn Tennis, Volleyball, Badminton, Basketball, Futsal, Ludo, Chess and Tug of War.

UET Peshawar Student Team "Zarrar" Grabs First Position in DBFC-16

UET Peshawar Student Team "Zarrar" grabbed first position at the national level competition, "Design Build Fly Competition (DBFC)-16", held from 25-27th, November, 2022 at GIKI Swabi. The American Institute of Aeronautics and Astronautics Society GIKI Chapter holds the Design Build Fly Competition every year that challenges the young talent from universities across Pakistan to design, build the planes through different maneuvers. As many as twenty teams from different universities had participated in the DBFC-16 at GIKI Swabi in which UET Peshawar took first place. The award distribution ceremony was held at UET Peshawar to honor the team "Zarrar". The Chief Guest of the Ceremony was Dean MCIE, Prof. Dr. Sahar Noor who appreciated the efforts of "Team Zarrar" including Muhammad Fasih Shahzad (team lead), Muhammad Fasih Shahzad, Muhammad Kashif, Muhammad Shahzad, Hashir Naeem and Ahmad Obaid Ullah and their supervisors Dr. Arshad Mehmoood and Engr. Nadeem-ur-Rehman. Prof. Dr. Rizwan M. Gul, Chairman, Department of Mechanical Engineering also spoke on the occasion and announced Rs. 80,000 cash award for the winners.



With Compliments

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