UNIVERSITY OF
ENGINEERING AND
TECHNOLOGY, PESHAWAR

ANNUAL REPORT

2021-23

CONTENTS

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.

VISION

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

Message from the Chancellor

The Annual Report 2021-2023 of the University of Engineering & Technology, Peshawar is an evidence of fact that the University continued to contribute to the research and economic growth of Khyber Pakhtunkhwa. I am pleased to know that UET Peshawar not only gained a significant place in the Times Higher Education (THE) Ranking 2023 in the province, but also in Pakistan in the field of engineering and technology. It is this spirit and commitment on the part of leadership and faculty which has been able to place the University at the higher pedestal in the THE Rankings consecutively for last four years.

Under the new strategic plan, UET Peshawar is more focused on making a positive difference on creating social impact of its research, industry engagement, and strengthens its commitment to sustainability in line with the United Nations' Sustainable Development Goals. It is heartening to note that the University already has taken full cognizance of this in collaboration with the government, international partners and local industry. I am confident once it is in place we will see the real impact of University's efforts in solving real-life issues.

As a Chancellor of UET Peshawar, I realize that resources for providing adequate academic facilities are getting scarce where as universities are also facing serious financial challenges. However, I urge the faculty to find alternate resources for financial sustainability besides looking for government funding only. The financial sustainability depends on the autonomy and self-generated funding options which could be done through enhancing the research base and getting consultancies from private agencies.

I also congratulate the Vice Chancellor Prof. Dr. Iftikhar Hussain and faculty members for their sincere efforts in maintaining educational & financial disciplines and the University was governed well and achieving major milestones. I hope the University will continue to meet the students' expectations through compassion, spirit of innovation and leave good traces for the generations to come.

Haji Ghulam Ali
Governor,
Khyber Pakhtunkhwa

Message from the Vice Chancellor

It is my honor to share the academic and research achievements undertaken by our faculty, administration and students during the last two years. With more than 400 faculty Members and 200 Ph.D's from the best universities worldwide, we have conducted state-of-the-art-research in cutting edge engineering fields. It is a matter of pride that this time, we got more than 100 research projects approved from funding agencies and the number of research publications soared to 500. This is a manifestation of our research strength that is a hallmark of an engineering university to find indigenous solutions to our real life problems. The project grants are awarded after a vigorous competitive process among the participant universities and we have earned through the help of our faculty members.

Our centers of excellence are also actively engaged in applied research. The Center of Intelligence Systems and Network Research (CISNR) has strengthened the community linkages through using IoT in energy management and we are using all means to implement the technology in targeted areas. The CISNR is committed to add more to the portfolio. We have also initiated few projects which are in process of commercialization another major step towards the creation of innovative solutions that are being done in collaboration with the government of Khyber Pakhtunkhwa. Similarly National Center for Robotics and Automation (NCRA) has marveled in building prototype and commercialization by doing research in development of precision agriculture, industrial automation and biomedical devices. The Industrial & Building Energy Audits (CIBEA) a spin off company has successfully completed the projects for Energy Audits across Pakistan.

We have also started two postgraduate degree programs including Artificial Intelligence (AI) that will help us to get more participation from the public. The Masters in electronics engineering has also been commenced at the UET Abbottabad Campus this year.

The UET Peshawar has consecutively gained a prominent rank in Khyber Pakhtunkhwa as well as in Pakistan in THE Impact ranking for the years 2022 and 2023. For that, I appreciate the efforts of our teaching community for their concerted efforts during the past two academic years.

I hope the report provides a glimpse of the outstanding work being undertaken by UET Peshawar that will continue its journey to achieve success in the years to come.

Prof. Dr. Iftikhar Hussain
Vice Chancellor

Executive Summary

The Annual Report 2021-23 provides a snapshot on the University's performance, achievements, outlook and financial position. The report is also of interest to the Members of Senate, University staff, students, prospective students and key stakeholders. The review offers insights including major academic events and highlights with a look ahead to the next year.

The Annual Report 2021-2023 coincides with our strategic plan as we report on the completion of a number of the strategic objectives achieved while some of them still in process. These two years were also years of extensive consultation and development of our next strategic plan providing the framework for the next phase in the continued growth of the University. Driven by our vision to be a world leading university in the regions, we have shown UET Peshawar swiftly transformed its teaching to th international standards of OBE system. This transformation has also helped us to gain recognition and confidence to our alumni to get better placements in international markets.

Our financial results were good in difficult circumstances, with commendable work done across the University to ensure austerity measures across the board that sets realistic targets for us, with a commitment for switching towards renewable energy sources in future.

With a clear focus on our students, our research and the communities, we have made good progress in developing our Indigenous strategy by working in close coordination with Government departments, local industry and International partners' shows this commitment. In addition, more than 500 research publications were published by our faculty.

A highlight in 2022-23 remains our graduate outcomes, especially UET has again received a significant rating at the THE impact ranking 2023. UET Peshawar is the only public sector university to achieve this level of success. This further highlights the University's excellence in teaching and research, and the industry's confidence on our graduates. Knowing the financial crisis that the Higher Education sector is facing, we are satisfied on reaching out to local industry for consultancy services and generated around Rs. 160.942 million during the reporting time period, while Rs. 58.067 million from our endowment fund. More than 100 research grants are funded by HEC and other national and international agencies. During the reporting period 110 appointments and promotions of faculty and staff were made in different sections through a fair and standard process of selection.

Committed to the principles of sustainability, we realize that a sustainable environment is central to our lives and we need to ensure our actions are headed in right direction. This year we also approved UET Peshawar environment policy 2023, having necessary frameworks to ensure safety of employees and students. We take great pleasure in sharing some of our successes with you in the UET Peshawar's Annual Report 2021-23.

Engr. Dr. Khizar Azam Khan
Registrar, UET Peshawar

UET Peshawar is a premier institution of higher learning in the field of engineering sciences in Khyber Pakhtunkhwa. Started as a College in 1952 and University in 1980, it boasts twenty three engineering departments through four faculties (Faculty of Electrical and Computer Engineering, Faculty of Civil, Agricultural and Mining Engineering, Faculty of Mechanical, Chemical and Industrial Engineering and Faculty of Architecture, Allied Sciences and Humanities, covering an entire spectrum of engineering and non-engineering disciplines at undergraduate and postgraduate degree programs, offered in its campuses including Jalozai, Bannu and Abbottabad Campus.

With producing more than 2000 graduates every year, UET Peshawar has been treading on a continuous path to achieve its goal with a stronger and more efficient infrastructure and qualified Ph.D. faculty. Currently 8,500+ students are enrolled in various disciplines of undergraduate and postgraduate levels.

The Centers of Excellence at UET Peshawar are recognized for high impact research in various fields of engineering and teaching excellence in Pakistan. Excellence in teaching is a cornerstone of the UET experience and is based on Outcome Based Education system that emphasizes the achievement of student outcome thus brings it at par with international standards.

Peshawar Campus

With a modest beginning in 1952 as a “constituent” College of Peshawar University, UET Peshawar was established in 1980 with three fully functional satellite campuses in Bannu, Abbottabad and Jalozai, However, Peshawar Campus remains the nucleus of the University, keeping everything moving along the correct path. At present, we have twelve centers of excellence where our faculty is actively engaged in cutting-edge fields of engineering, AI, Cyber Security, Robotics and Earthquake Engineering to name few.

There are 43 postgraduate programs offered to the students at Peshawar for students to choose from, which are accredited under the Washington Accord’s Outcome Based Education (OBE) System. UET Peshawar is ranked first in "Engineering category" in Khyber Pakhtunkhwa, fifth in Pakistan while third in "All Universities category" in Khyber Pakhtunkhwa. It is also ranked between 801-1000 globally according to THE Impact Ranking 2023.

Satellite Campuses

ABBOTTABAD CAMPUS

UET Abbottabad Campus was inaugurated in 2002 in the old premises of Ayub Medical College. Establishment of a campus of UET Peshawar in Abbottabad has not only addressed a longstanding public demand, but also enhanced the city's image as a seat of learning. Known for its natural beauty, better climatic conditions and a vast network of educational institutions, Abbottabad was ideally suited for such an institution of higher learning in applied sciences. At present, two degree programs including Electronics Engineering and Bachelors of Architecture are offered at the Abbottabad Campus.

BANNU CAMPUS

Bannu Campus became operational in May 2002, in the premises of the Comprehensive High School in the city. This has brought higher education in engineering sciences to this neglected middle-southern region. Prior to this, students would go to Dera Ismail Khan, Kohat or Peshawar to pursue their higher studies. Currently B.Sc Civil and Electrical Engineering disciplines are offered at Bannu Campus.

JALOZAI CAMPUS

The Jalozai Campus funded by HEC at the cost of Rs. 6,565.272 Million is established on Pabbi-Cherat Road at 11 KM Southwards from GT Road in district Nowshera. At present there are five engineering and non-engineering departments which are offering undergraduate degree programs including civil engineering, electrical engineering, mechanical engineering, industrial engineering and Computer Science & Information Technology (IT).

Jalozai Campus

Abbottabad Campus

Bannu Campus

Centers of Excellence & Skill Development

National Institute of Urban Infrastructure Planning (NIUIP)

National Institute of Urban Infrastructure Planning (NIUIP) was established in December 2010 with Higher Education Commission (HEC) funding. It is committed to promote sustainable urban development in Pakistan, and apply research in combating challenges being faced by rapidly growing urban centers in the country. NIUIP is equipped with state of the art technologies and equipment such as satellite imagery, simulation modeling for water and sewer systems, GPS and remote sensing tools, GIS digitizer, GIS scanner, Digital plotter, and licensed software such as GIS, STATA, PIPE, Oracle and GeneXproTools

- To develop it into a center of excellence for teaching, research, and training in urban infrastructure planning in Pakistan.
- To conduct research in emerging trends in urban planning and management, and urban infrastructure engineering.
- To identify and disseminate global best practices in urban planning and management.
- To develop national and international strategic partnerships for collaborative research.
- To train in-service professionals in government and non-government organizations in urban infrastructure planning.

Soon after its establishment in the year 2010, NIUIP started its postgraduate academic programs namely Urban Infrastructure Engineering and Urban Infrastructure Planning & Management. The aim of these degree programs is to perform leading edge research to groom quality researchers for the country in the field of education, research and industry. Currently, NIUIP is having 124 M.Sc. students enrolled in both the streams. In the year 2015, the institute also initiated its PhD program and currently thirteen (13) numbers of students are currently pursuing their PhD at NIUIP.

Continuing Engineering Education Center (CEEC)

CEEC ensures need-based trainings to the engineering community as a part of continuing engineering education to in-serive engineers. The Center has been established with following objectives:

- Capacity building of engineers to engage effectively in the global economy.
- Development of indigenous capacity to ensure effective utilization of international aid.
- Promote quality of teaching and research.
- Improve project management and financial management skills.

Besides serving the engineering community in general, CEEC regularly offers Teachers Training courses in collaboration with HEC for its freshly inducted faculty.

Centers of Excellence

Technology Incubation Center (TIC)

Technology Incubation Center established with the help of HEC is aimed to spur economic development and job creation through technology business incubation. The Center offers support services for start-up entrepreneurs in starting and running their businesses. Besides, it also facilitates the faculty and students in obtaining Intellectual Property Rights as well as commercialization of their research. The center is fully equipped with allied facilities, offers one roof solutions including, phone, internet connectivity, video conferencing and trainings on IP and legislative matters under the qualified faculty and staff. It also aims to attract young brains to commercialize their innovative ideas and for this purpose the Center incubates small companies, selected through a supervisory committee.

Gems and Jewelry Center of Excellence (GJCoE)

The Gems and Jewelry Center of Excellence Center is a state-of-the-art facility in gem cutting and polishing. The center with its qualified teaching faculty and laboratories offers five month diploma in gemology and lapidary. The Center has been upgraded to Gems and Jewelry Center of Excellence that will not only provide training in gemology and lapidary, but value gems and precious stones.

Earthquake Engineering Center (EEC)

UET Earthquake Engineering Center is a multi-disciplinary research and education Center, established with the aim to mitigate the seismic disaster risk in the province in particular and country, in general. The center has made tremendous progress so far in the last few years. It has been upgraded to the National Institute of Earthquake Engineering with the funding of Rs. 487.219 million by HEC. The center has developed research collaborations with renowned international organizations, research centers and universities for human resource development, research and development activities.

Quality Enhancement Cell (QEC)

The Quality Enhancement Cell (QEC), is aimed to assist the university in improving the student learning by continuously enhancing and maintaining the academic standards under the HEC guidelines. At present, the QEC efforts are mainly focused on coordination between the university and HEC, and implementation of the HEC quality assessment procedures. Since its establishment in February 2007, QEC has focused on gathering information and data about the facilities, finances, research, students, and faculty of each department and, has incorporated the collected information in the HEC ranking performa as per HEC requirements.

Office of Research, Innovation & Commercialization (ORIC)

UET Peshawar has developed the Office of Research Innovation & Commercialization (ORIC). This office is aimed at transforming pure knowledge into products and services with the perspective of ultimate community welfare. Its main role is to strengthen University's research and knowledge creation process by providing strategic and operational support through promoting entrepreneurship, technology-transfer and commercialization activities to energize local and national economy. It also aims at strengthening University-Industry relationships by enhancing cross-cutting and multi-disciplinary research initiatives for the up gradation of local and national industries. In general it aspires to achieve sustainable development by translation of research into public benefit through ensuring research relevance in terms of social, economic and environmental aspects.

National Center for Robotics and Automation

The Advanced Robotics and Automation Lab (ARAL), located at the Department of Mechatronics Engineering, UET Peshawar, was established in 2018 and is part of the National Center of Robotics and Automation (NCRA), Pakistan. As part of a response to our national challenges such as lack of agriculture technology and productive automation, the lab is actively involved in research and prototype development pertaining to all aspects of precision agriculture, industrial automation and biomedical devices. The lab is headed by Prof. Dr. Muhammad Tahir Khan who leads a team of established researchers having Ph.D. degrees from countries; Canada and UK. Several research associates, assistants, and Master/PhD students are also engaged in research on different funded projects.

National Center for Big Data & Cloud Computing (NCBC)

The vision of NCBC is to effectively utilize cloud computing for Big Data applicationsfor solution to problems of national importance. Keeping in view the advantages of cloud computing in provisioning and processing of big data and its suitability for the emerging trend in mobile devices and Pakistani R&D environment having limited hardware resources, the utility of the cloud computing is plausible. In NCBC, our focus is on the following key sub-domains, which are R&D problems of National importance.

- Multimedia streaming and analytics
- Remote sensing big data analytics
- Traffic characterization and analytics
- Cloud integration and analytics for mass data platform

National Center for Cyber Security

National Centre for Cyber Security (NCCS) shall play a leading role in securing Pakistan's Cyberspace and making Pakistan world's premier nation in Cyber Security.

Center of Intelligence Systems and Network Research

The Center of Intelligence Systems and Network Research (CSINR) was launched at Electrical Engineering Department. The Center presents an example of industry-academia linkage, established with the active participation of faculty of Electrical Engineering Department.

National Center for Artificial Intelligence (AI)

National Center of Artificial Intelligence (NCAI) was inaugurated at the main campus of National University of Sciences & Technology (NUST) at NUST on 16th of March, 2018. NCAI is the latest technological initiative of Government of Pakistan under the government's Vision 2025 where leading universities are its partners. The center at UET Peshawar is designed to become the leading hub of innovation, scientific research, knowledge transfer to the local economy, and training in the area of Artificial Intelligence (AI) and its closely affiliated fields. The central aim is to facilitate the researchers in the field of AI; help them establish and grow AI industry following international trends and seek solutions to the indigenous problems through AI.

U.S.-Pakistan Center of Advanced Studies in Energy (USPCAS-E)

The U.S.-Pakistan Center of Advanced Studies in Energy (USPCAS-E) at UET Peshawar is designed to support Pakistan's economic development by strengthening the relevance and responsiveness of university products, including applied and policy research and skilled graduates, to the needs of the public and private sector. the Center is proceeding efficiently towards the achievements of its goals through improving governance, innovative research and curriculum reforms. As a pivotal and comprehensive research center, USPCAS-E UET Peshawar realizes the responsibility for finding sustainable solutions to the energy crisis in Pakistan.

Affiliated Engineering Colleges

- Institute of Communication and Technology, Islamabad

University Governance

CHAPTER 1

SENATE

As per the Khyber Pakhtunkhwa Universities Act 2012, the Senate consists of the following:

- The Chancellor, who shall be the Chairperson of the Senate;
- The Pro-Chancellor;
- The Vice Chancellor;
- One member of the Provincial Assembly of the Khyber Pakhtunkhwa to be nominated by the Speaker of the said Assembly;
- A retired judge to be nominated by Chief Justice of Peshawar High Court;
- Secretary of the relevant Administrative Department of Government or his nominee not below the rank of an Additional Secretary;
- The Secretary to Government, Higher Education Department, or his nominee not below the rank of an Additional Secretary;
- The Secretary to Government, Finance Department, or his nominee not below the rank of an Additional Secretary;
- The Secretary to Government, Establishment Department, or his nominee not below the rank of an Additional Secretary;
- The Chairman, Higher Education Commission or his nominee not below the rank of Director General;
- One eminent or distinguished graduates of the University who are not its employees to be nominated by the Chancellor;
- Two persons from the academic community of the Province of the Khyber Pakhtunkhwa or the country, other than an employee of the University, at the level of professor or Principal, to be appointed by the Chancellor;
- Four University Teachers, including one Professor, one Associate Professor, one Assistant Professor and one Lecturer to be elected by teachers of their respective cadres from amongst themselves;
- Four persons from society at large being persons of distinction in the fields of administration, management, education, academics, law, accountancy, medicine, fine arts, architecture, industry, agriculture, science, technology and engineering with a view to create diversity and balance across the various fields, to be nominated by the Chancellor;
- One University Administrative Officer to be elected from amongst all the Administrative Officers in the prescribed manner.

SYNDICATE

As per the Khyber Pakhtunkhwa Universities Act 2012, the Syndicate consists of the following:

- The Vice Chancello, who shall be its Chairperson;
- A retired judge to be nominated by Chief Justice of Peshawar High Court;
- All the Deans of the faculties of the University;
- Secretary of the relevant administrative Department or his nominee not below the rank of an Additional Secretary;
- The Secretary to Government, Higher Education Department, or his nominee not below the rank of a Deputy Secretary;
- The Secretary to Government, Establishment Department, or his nominee not below the rank of Additional Secretary;
- The Secretary to Government, Finance Department, or his nominee not below the rank of Additional Secretary;
- Two Principals (preferably one male and one female) of affiliated colleges to be nominated by the Academic Council;

- One Professor, One Associate Professor, One Assistant Professor and one Lecturer of the University to be elected by teachers of their respective cadres in the manner as may be prescribed by Statutes;
- One Principal or Chairman or Director of the Teaching Department or Institute or Centre to be elected from amongst themselves in accordance with the prescribed Statutes;
- One administrative officer to be elected from amongst themselves in a manner as may be prescribed by Statutes;
- Registrar;
- Treasurer;
- One nominee of the Commission not below the rank of an advisor or member;
- One person of eminence to be nominated by the Chancellor and
- Two University Administrative Officers to be elected from amongst all administrative officers in the prescribed manner.

ACADEMIC COUNCIL

As per the Khyber Pakhtunkhwa Universities Act 2012, the Academic Council consists of the following:

- The Vice Chancellor, who shall be its Chairperson;
- The Chairpersons of Teaching Departments or Directors of academic institutes/units;
- The Deans;
- All Professors including Emeritus and Meritorious Professors;
- Six university teachers including two Associate Professors, two Assistant Professors and two lecturers to be elected from amongst themselves in the manner prescribed by Statutes;
- Two Principals, preferably one female, of affiliated colleges, one each from public and private sector, to be nominated by the relevant administrative Secretary of the Government department;
- One Principal of the constituent college, to be nominated by the Senate;
- The Director Admissions;
- The Controller of Examinations; and
- The Registrar, who shall be its member-cum-secretary.

Academic Activities

CHAPTER 2

Academic Programs

Besides offering a robust engineering program at undergraduate and postgraduate ranging from conventional disciplines such as agricultural, civil and mechanical engineering to state-of-the-art programs are being offered in mechatronics, computer software and computer systems engineering.

Undergraduate Engineering Programs

- B.Sc Agricultural Engineering
- B .Sc Chemical Engineering
- B .Sc Civil Engineering
- B .Sc Computer Systems Engineering
- B .Sc Electrical Engineering (Communication)
- B .Sc Electrical Engineering (Power)
- B.Sc Energy Engineering
- B .Sc Industrial Engineering
- B .Sc Mechanical Engineering
- B .Sc Mechatronics Engineering
- B .Sc Mining Engineering
- B .Sc Civil Engineering (Bannu)
- B .Sc Electrical Engineering (Bannu)
- B .Sc Electronics Engineering (Abbottabad)
- B .Sc Electrical Engineering (Kohat)
- B .Sc Civil Engineering (Jalozai)
- B .Sc Electrical Engineering (Jalozai)
- B .Sc Mechanical Engineering (Jalozai)
- B .Sc Industrial Engineering (Jalozai)

Undergraduate Non-Engineering Programs

- BS Computer Science & Information Technology (Peshawar Campus)
- BS Computer Science & Information Technology (Jalozai Campus)
- BS Data Science (Peshawar Campus)
- Bachelor of Architecture (Abbottabad Campus)

Postgraduate Engineering Programs

- M.Sc. Ph.D Agricultural Engineering
- M.Sc. Ph.D Civil Engineering
- M.Sc. Ph.D Electrical Engineering
- M.Sc. Ph.D Electronics Engineering
- M.Sc. Ph.D Artificial Intelligent
- M.Sc. Ph.D Mechanical Engineering
- M.Sc. Ph.D Mechatronics Engineering
- M.Sc. Ph.D Mining Engineering
- M.Sc. Ph.D Chemical Engineering
- M.Sc. Ph.D Industrial Engineering
- M.Sc. Ph.D Urban Infrastructure Engineering
- M.Sc. Ph.D Computer Systems Engineering
- M.Sc. Electrical Energy System Engineering
- M.Sc. Renewable Energy Engineering
- M.Sc. Thermal System Engineering
- M.Sc. Energy Management & Sustainability
- M.Sc. Materials for Energy Storage and Conversion

Postgraduate Non-Engineering Programs

- M.Sc. Ph.D Urban Infrastructure Planning & Management
- M.Sc. Ph.D Computer Science & Information Technology
- M.Sc. Architecture (Abbottabad Campus)
- M.Sc. Ph.D Mathematics

Faculties

There are four faculties created to administered the performance of respective departments.

Faculty of Electrical & Computer Engineering

- Department of Electrical Engineering, Peshawar
- Department of Electrical Engineering, Bannu Campus
- Department of Electrical Engineering, Jalozai Campus
- Department of Electrical Engineering, Kohat Campus
- Department of Computer Systems Engineering, Peshawar Campus
- Department of Electronic Engineering, Abbottabad Campus
- Department of Computer Science & IT, Peshawar Campus
- Department of Computer Science & IT, Jalozai Campus

Faculty of Mechanical, Chemical & Industrial Engineering

- Department of Mechanical Engineering, Peshawar Campus
- Department of Mechanical Engineering, Jalozai Campus
- Department of Industrial Engineering, Peshawar Campus
- Department of Industrial Engineering, Jalozai Campus
- Department of Mechatronics Engineering, Peshawar Campus
- Department of Chemical Engineering, Peshawar Campus
- Center for Advanced Studies in Energy, Peshawar

Faculty of Civil, Agricultural & Mining Engineering

- Department of Civil Engineering, Peshawar Campus
- Department of Civil Engineering, Jalozai Campus
- Department of Civil Engineering, Bannu Campus
- Department of Mining Engineering, Peshawar Campus
- Department of Agricultural Engineering, Peshawar Campus
- National Institute of Urban Infrastructure Planning, Peshawar
- Gems & Jewelry Center of Excellence, Peshawar Campus
- Earthquake Engineering Center, Peshawar Campus

Faculty of Architecture, Allied Sciences and Humanities

- Department of Architecture, Abbottabad Campus
- Department of Basic Science & Islamiat, Peshawar Campus

Foreign Academic Linkages

UET Peshawar is mandated to identify and explore areas of cooperation and linkages with foreign and local institutions. Promoting academic collaboration with local and foreign universities in the form of student, faculty and student exchange, joint research, exchange of publications, sponsorship of conference and other academic activities is the main portfolio where we are actively involved in the initiation, planning, implementation and monitoring of linkage activities.

FOREIGN ACADEMIC LINKAGES

University of Illinois, USA
University of Maryland , USA
George Washington University, USA
Mississippi State University, USA
Old Dominion University, USA
George Mason University Virginia, USA
McGill University, Canada

University of British Columbia, Canada
Cambridge University, UK
Loughborough University, UK
Southampton University, UK
University of Glasgow, UK
University of Strathclyde, UK
University of Surrey, UK
American Board for Certification of Teacher Excellence (ABCTE)

University of Bradford, UK
Politechnico Di Torino, Italy
Rose School University of Pavia, Italy
AIT Bangkok, Thailand
Shandong Academy of Sciences, China
Tsinghua University, China
Keele University, UK
Pro-Quest

Institutional Linkages / MoUs

MoU with PEDO

UET Peshawar and Pakhtunkhwa Energy Development Organization (PEDO) signed a MoU at PEDO office on July 14, 2021. The MoU was signed by the Vice Chancellor, UET Peshawar Prof. Dr. Iftikhar Hussain and Engr. Qazi Muhammad Naeem, Chief Executive Officer PEDO. The Purpose of MoU is to jointly collaborate to offer International standard quality testing of solar panels to the Government of Khyber Pakhtunkhwa.

MoU with Department of Agriculture, Peshawar

UET Peshawar and the Department of Agriculture and Live Stock, Peshawar inked a Memorandum of Understanding on November 15, 2021. The aim of the MoU was to establish the first Veterinary and Animal Sciences University in Peshawar which will benefit the youth of the province and will be useful for agriculture, livestock, fisheries as well as farmers and livestock. The agreement was signed by Dr. Alam Zeb, Project Director, Department of Veterinary & Animal Sciences, Department of Agriculture and Livestock, Khyber Pakhtunkhwa and Prof. Dr. Bashir Alam, Director Planning and Development, University of Engineering and Technology, Peshawar. According to the MoU, UET will prepare the master plan of Veterinary University Swat, besides designing and supervising its construction.

MoU with PVERCRAFT (Pvt) Ltd.

UET Peshawar and PAVERCRAFT (Pvt) Ltd., Adamzai Nowshera entered into a collaboration for joint applied research on August 03, 2021. Prof. Dr. Khan Shahazada on behald of UET Peshawar and Mr. Shahab Khattak CEO, PAVERCRAFT (Pvt) Ltd. signed the MoU here today. The purpose of MOU is to bring academia industry together to create industrial development that leads to environmental friendly product development in pavement industry.

MoU with University of Swat

MoU between UET Peshawar and University of Swat was signed on August 20, 2021. The MoU is aimed to cooperate for training and promotion of research and development generally between the University of Swat and UET Peshawar.

MoU with IdeaGist ink MoU

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

MoU with Elementary and Secondary Education Department Khyber Pakhtunkhwa

UET Peshawar and Elementary and Secondary Education Department (E&SED) Government of Khyber Pakhtunkhwa entered into a collaboration on September 20, 2021 to carry out the structural health assessment of various schools /buildings in different districts of the province. Prof. Dr. Iftikhar Hussain, Vice Chancellor and Secretary E&SED Mr. Muhammad Yahya Akhunzada signed the MoU the other day at the E&SED Civil Secretariat Khyber Pakhtunkhwa. Under the MoU, UET Peshawar will use innovative techniques, in accordance with the international codes, standards and specifications, primarily including Rapid Visual Screening (RVS), evaluating the seismic safety of a large inventory of buildings quickly and inexpensively, with minimum access to the buildings, and Detailed Structural Health Assessment.

MoU with PCST & SI

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

MoU with University of Sialkot

UET Peshawar entered into collaboration with University of Sialkot on September 23, 2021. The Vice chancellor UET Peshawar Prof. Dr. Iftikhar

Hussain and Dr. Nadeem Ahmad Chaudhry, Pro-Vice Chancellor University of Sialkot signed the MoU. The Vice Chancellor Prof. Dr. Iftikhar Hussain said, in present times, collaborative activities are critical for driving advanced industrial development. If university researchers and practitioners join hands together, they create insights for practical approaches for solving societal problems.

MoU with SIMBRI Construction Solutions Lahore

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

MoU with Khwendo Kor (KK)

UET Peshawar entered into collaboration with Khwendo Kor (KK), a non-profitable, non-governmental and non-partisan organization on December 24, 2021. Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar and Mr. Khalid Usman, Director Operations KK signed the MoU in presence of senior officials of UET Peshawar and Khwendo Kor. The MoU aims for women empowerment and to encourage them to take active part after completing their education in the unpresented sectors of Industry, technical field jobs, and business management.

MoU with Department of Psychology, UoP

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

MoU with UNHCR & Afghan Commisionerate

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

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.

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.

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.

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. 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.

Academic Activities

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. 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.

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.

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.

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.

FF Steel, UET Peshawar Sign MoU

FF Steel (Pvt) Ltd. and UET Peshawar signed a memorandum of understanding (MoU) on 24th March, 2022. The MoU will lead towards joint outreach activities, internship opportunities and Trainee Engineers Program through this academia industry linkage.

UET Peshawar, Afiniti Software Solutions Ink MoU

The Afiniti Software Solutions (Pvt) Ltd., a world-leading applied artificial intelligence company and UET Peshawar entered into a collaboration through which internships, expos, guest lectures and scholarships will be organized for the students of UET Peshawar at undergraduate and postgraduate levels. This was decided in a MOU ceremony held on January 2nd 2023. The documents were endorsed by Dean Electrical and Computer Engineering, Prof. Dr. AmjidUllah and Mr. Imran Khan Assistant Manager Afiniti Software Solutions (Pvt) Ltd. in presence of senior officials of UET Peshawar.

UET Peshawar is the only public sector engineering university having five laboratories/centers of excellence in data science, cloud computing, artificial intelligence and cyber security. He said, such collaboration with Afiniti would lead to job creation as well as advancement in research in AI and computer software engineering. The Afiniti Solutions have operations in more than twenty countries and the prime objective of MoU is to promote local talent while support to the talented students will be extended for achieving their educational objectives.

UET Peshawar, BARG Engineering Ink MoU

The BARG Engineering Pakistan, a leading renewable energy company and the Electrical Engineering Department, UET Peshawar signed the MoU on 14 March. The main objectives of the MoU between BARG Engineering and UET Peshawar are to collaborate in organizing seminars, offer internships to the graduates, facilitate study tours for the final-year students to BARG Engineering sites, hire the services of UET Peshawar graduates for projects and facilitate a final-year design project student group each year.The MoU ceremony was held today at the office of the Chairman, Department of Electrical Engineering, UETPeshawar, where the documents were endorsed by Prof. Dr. Syed Waqar Shah, Chairman of the Department of Electrical Engineering, UET Peshawar, and Engr. SaleemBarg, Chief executive, BARG Engineering in presence of senior faculty and officials, including Prof. Dr. Gulzar Ahmad, Director ORIC, Dr. NasruMinallah, and Director Media. Dr. Shamaila Farooq. Prof DrWaqar Shah welcomed the delegation.

University Events

Paradigm Shift was Needed in Engineering Disciplines

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

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

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

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

“We need a major paradigm shift in our analytical thinking, basic scientific concepts and engineering disciplines in order to achieve new heights of progress and development besides coping with the modern day challenges. To achieve these key objectives, the role of the universities of science and technologies is vital to prepare youth along modern scientific lines and inculcate the required educational and vocational skills in students so that they could effectively shoulder future responsibilities and significantly contribute to the process of nation building,” he said.

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

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

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

The prize distribution ceremony of National Idea Bank (NIB) was held at UET Peshawar on November 29, 2021. The Chief Guest of the ceremony was Mr. Atif Khan, former Minister for Science, Technology and Information Technology, Khyber Pakhtunkhwa who gave away shields, certificates and cash prizes to the winners of different competitions held from 22nd to 27th September, 2021 for Peshawar region, hosted by UET Peshawar.

Mechanical Engineering Final Year Project Exhibition 2021

The Department of Mechanical Engineering, UET Peshawar showcased 45 projects during the Final Year Project Exhibition 2021 held on August 24, 2021. The exhibition was organized by the Department of Mechanical Engineering under the supervision of Chairman Prof. Dr. Rizwan Gul.

ETEA Engineering Entrance Test 2021

The Entrance Test for Academic Session 2021 of UET Peshawar was successfully conducted on August 22, 2021 simultaneously at Peshawar, Mardan, Abbottabad, Swat, Malakand, Kohat, and D.I. Khan Centers. The test was conducted by the Educational Testing and Evaluating Agency (ETEA) of Government of Khyber Pakhtunkhwa. Around 8148 candidates from Khyber Pakhtunkhwa, erstwhile FATA, AJK and Gilgit Baltistan appeared for the entrance test.

Orientation Ceremony of IISE

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

Training for Administrative Officers of UET Peshawar

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

Orientation Ceremony for Afghan National Students

The Orientation Ceremony for the Afghan National Students enrolled for ZERO SEMESTER at UET Peshawar was held on August 11, 2021. The Government of Khyber Pakhtunkhwa announced to set up a dedicated sub-campus of UET Peshawar to facilitate the Afghan National students in pursuance of engineering education.

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. 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.

Department of Mechanical Engineering, FYP 2022

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.

Department of Industrial Engineering, FYP 2022

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.

Department of Computer Systems Engineering, FYP 2022

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.

Department of Electronics Engineering (Abbottabad Campus), FYP 2022
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.

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.

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.

Prof. Dr. Khan Shahzada 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. 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.

CIBEA Awards Scholarships to USPCAS Energy's Students
The Center for Industrial and Building Energy Audit (CIBEA), a spinoff company at the US Pakistan Center for Advanced Studies in Energy (USPCAS-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 USPCAS-E on 3rd June, 2022.

3rd Meeting of Industrial Advisory Board, Department of Mechanical Engineering
The third meeting of Industrial Advisory Board of Department of Mechanical Engineering Department 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.

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.

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.

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.

Project on "Digital Municipal Energy Management System" Launched
The project on "Digital Municipal Energy Management System" was 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.

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.

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.

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 on24th 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.

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. nded 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 for arranging the Camp.

SNGPL Sponsors Chair on Gas Engineering at the Department of Chemical Engineering
The Vice Chancellor 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.

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", heldfrom 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.

Chairman PECVisited UET Peshawar
The Chairman PEC, Engr. Muhammad Najeeb Haroon visited UET Peshawar 1 February 2023. He visited the National Center for Artificial Intelligence (NCAI) where Dr. Gul Muhammad, Project Director NCAI showed projects of NCAI

including safe city project, early warning system for floods and earthquakes and smart metering. During the visit, Chairman PEC inaugurated the Smart Classroom at Department of Industrial Engineering, UET Peshawar. The ceremony was also marked with a MoU signing between the Center for Intelligent Systems Network and Research (CISNR), NCAI UET Peshawar and PEC. Through this MoU, CISNR and NCAI will offer six month trainings, hands on experience and skills to the fresh engineers as "internees" while PEC will pay Rs. 30,000 to each internee under its 'On Job Training Program'.

Chairman PEC, Engr. M. Najeeb Haroon while addressing the audience said, Pakistan is hit by economic Covid as we had been hit by the pandemic covid, so this calls for Pakistan's engineers who now need to take this challenge as opportunity and start making their products with “Made in Pakistan” brand. He assured that PEC will use its organizational potential and resources to the best possible use and further strengthen the engineering community as they are the backbone for overall socio-economic development of Pakistan.

Convocation 2023

The Convocation 2023 was held on 7th March, 2023 at the Convocation Hall, University of Peshawar to commemorate the academic accomplishments of students of engineering and technology of academic session, 2022. Prof. Dr. Iftikhar Hussain, Vice Chancellor, UET Peshawar conferred degrees on graduating students of postgraduate (Ph.D., M.Sc.) and undergraduate programs. In total, 550 students were awarded degrees in engineering and non-engineering programs including 507 B.Sc. degrees, 15 Ph.D. degrees while 27 students were awarded M.Sc. degrees. At the convocation, 16 Gold Medals were conferred upon graduates of undergraduate programs who achieved top positions.

The Vice Chancellor congratulated the graduates and their parents on their marvelous achievements, and said that the future of our country is dependent the way we educate and groom them to understand the real challenges. He said, UET Peshawar has twelve centers of excellence from which real outcome are now seen in form of linkages and joint applied research projects.

ASME EFX

ASME EFx was organised by ASME, UET Peshawar with the support and sponsorship of ASME International in the supervision of Dr. M Alam Zaib Khan, Department of Mechanical Engineering and M Osama Humayun Jadoon, President ASME, at Jalozai Campus on 11th-12th March 2023 that brought together students from various backgrounds and disciplines to showcase their technical skills, build a community, and foster relationships. The event included various competitions such as oral competitions, technical poster painting competitions, and elevator pitch competitions which were designed to challenge the students and push them to reach their full potential. Seven universities from all over Pakistan Participated that included Nust H-12 Campus, CUI Wah, NED Karachi, Quest Nawab Shah, UET Mardan, Air University Islamabad and EME College. The event also included a seminar on "Emerging Technologies" by the Communications expert, M. Waseem who delivered an interactive session to the participants on communication skills. In addition, the Arduino learning workshop was also arranged which highlighted the key aspects of working in robotics. Technical poster painting competition was also included to provide the students with a platform to showcase the artistic talents. The event was an amalgamation of passion for engineering and a commitment to pushing the boundaries of what is possible. Evident through different skills and knowledge. Mushaira was also arranged for Social Networking. Mr Nasir Khalily graced the event as Chief Guest.

UET Peshawar Won The Microsoft Imagine Cup 2023

The AR Learn, a team of talented students from UET Peshawar's Department of Computer Systems Engineering (DCSE) won the Microsoft Imagine Cup 2023, marking the second consecutive year that the students of DCSE for winning the national finals of Imagine Cup, showcasing their commitment to fostering innovation and creativity. The winning team, AR Learn and their project, “Kinder-Learn with AR” captivated the judges with their innovative use of augmented reality and making learning fun, interactive and immersive for kindergarten children. The team had been awarded a cash prize of 3000 USD from HEC, Microsoft Pakistan, and Microsoft EMEA for their extraordinary project.

KK Foods

Haji Malik Abdur Rehman, the CEO of KK Foods, met with Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar on 6 April 2023 to discuss the Technology Transfer of Coal Biomass Briquettes designed by Dr. Amad Ullah Khan, Department of Chemical Engineering, UET Peshawar. During the meeting, Dr. Nasru Minallah, Director ORIC, discussed the signing of an MoU between the two organizations to further mutual interests. The MoU is expected to be finalized and put into practice soon.

FYP Receives International Award

The Final Year Project "Formulation and development of nutritional supplements for the prevention and treatment of diseases caused by deficiency of vitamins and minerals in Pakistan" Department of Chemical Engineering, UET Peshawar had been honored with the prestigious Research Prize from the Greeniche Natural Health, Canada having cash value of Canadian dollars $500. The project was supervised by Dr. Nehar Ullah Khan and Dr. M. Sagheer Aslam. The group members of the project including Ehtisham Rashid, Moiz Bin Suhail, Ibad Ullah and Ahmed Asim thanked the contributions of their supervisors for their professional and academic development. They also thanked the evaluation committee including Prof. Dr. Muddasar Habib, Dr. Mansoor ul Hassan, Dr. Moazzam and all the peers who guided and encouraged them throughout this project. The students expressed their deepest gratitude to Greeniche Natural Health, Canada for their support which will have a positive impact in the field of natural health. The project contributes towards achieving the SGD-3 "Good Health and Well-being" under the UN agenda 2030.

Sarhad Chamber of Commerce & Industry Visited UET Peshawar

A high level delegation of the Sarhad Chamber of Commerce (SCCI) and Industry visited the Gems and Jewelry Center of Excellence (GJoC), UET Peshawar on 5th June 2023. The visit was aimed to look into the possibility of starting joint initiatives to enhance the export of polished Gems from Khyber Pakhtunkhwa to the marketers at national and international levels. The delegation was headed by President SCCI Mr. Ijaz Khan Afridi and Secretary General Sajjad Haider. The Vice Chancellor welcomed the idea of joint efforts and urged to build up a PC-1 in this regard. He said, the MoU earlier signed with SCCI in March 2022 would yield in a solid outcome through joint cooperation in the sector. He appreciated the efforts of Dr. Nasru Minallah, Director ORIC UET Peshawar and his team for bridging SCCI and UET for joint cooperation. Dr. Khan Muhammad, Director GJoC gave a presentation on current activities and future plans of the centre. He said, as many as thousand graduates have been certified in gemology and lapidary from the center who are serving the markets internationally and within the country. "We need to have an ISO certified gemology testing laboratory so that we could export polished gems according to the world standards. He urged SCCI to cooperate with GJoC in establishing the laboratory and further commercialization.

Dr. Habib ur Rehman, GJoC said, 13% of Thailand's GDP is based on the field of gemology while the country has only three to four gems, adding, while KPK has a huge potential of minerals and gems but we are unable to export standardized gems because we don't have certified technical laboratories for commercial purpose. Mr. Ijaz assured cooperation on behalf of SCCI towards developing commercialization of gems.

Institutional Scholarship Award Committee

A meeting of the Institutional Scholarship Award Committee was held on 9th June 2023 for the award of USAID scholarships to the undergraduate students from flood-affected areas. The meeting was chaired by Prof. Dr. Gulzar Ahmad, Advisor Student Affairs (ASA) while Ms. Samra from HEC, Ms. Bushra, Qadim's Lumiere School, Ms. Farkhanda Suleman, Additional Director Finance, Mr. Shah Tamas, Deputy Director Scholarships and Mr. Yaseen, Deputy Registrar Academic interviewed the students. Prof. Dr. Gulzar Ahmad, ASA said, the scholarships will be awarded purely on merit based to the most deserving students.

Pashto Literary Society Celebrated the World's Mother Tongue's Day

The Pashto Literary Society UET Peshawar celebrated the world's mother tongue's day, on 21st February 2023. Prof. Dr. Afzal Khan, advisor Pashto Literary Society, welcomed the participants and among other faculty of the university, Prof. Dr. Rizwan M. Gul, Chairman mechanical engineering department, Prof. Dr. Riaz Akbar Shah, Director CEEC attended the event. The event included talks by Prof. Dr. Ahmad Ali Ajaz and Prof. Dr. Sher Zaman Seemab about the importance and role of mother's tongue in the modern era. A mushaira was also conducted under the president ship of Prof. Dr. Ahmad Ali Ajaz, Prof. Dr. Sher Zaman Seemab as guest of honor, Prof. Dr. Afzal Khan Afzal, Mr. Rashid Khan Rashid, Safdar Khan Safdar, Mr. Sayed Mahi Shah, Mr. Seen Sheen Adil and Advocate Sarwar Khan recited their poems. Chairman mechanical engineering, Prof. Dr. Rizwan M. Gul presented soviniours to the guests. At the end the President of the Pashto Literary Society Altaf Hussain thanked all the participants on behalf the members of the cabinet.

Students Visited Cadet College Mastung Baluchistan

UET Peshawar hosted the students from the Cadet College Mastung Baluchistan as part of their study 15 February 2023. The students visited different departments and the state -of-the-art laboratories and met with the students and faculty. The tour provided valuable insights to our academic and outreach activities.

Art Exhibition "Kaawish" 2023

A three-day Arts exhibition, "Kaawish", concluded on 8 May, 2023 at UET Peshawar. The event was organized by the Literary and Debating Society (LDS), under the supervision of Dr. NiharUllah Khan, Advisor LDS, UET Peshawar. More than 30 institutions including UET Peshawar from across Pakistan including Khyber Medical College, Ayub Medical college Abbottabad, KIMS Kohat, Abdul Wali khan University Mardan, Qauid-e-Azam University Islamabad, University of Peshawar, University of Swabi, Govt College Peshawar, Fauji Foundation, Hadaf College Peshawar, Khyber Girls Medical College, KMU-IMS Kohat, Peshawar Medical College, Govt city girls college Gulbahar, UET Jalozai, Art Council Rawalpindi, Pakistan institute of community ophthalmology, Northwest school of medicine, FG degree college, UET Mardan, Institute of education and research, GCMs Peshawar, Cenna Degree College, IM sciences, Benazir Bhutto University Peshawar, COMSATS Abbottabad, Govt Frontier College for women, Anzoor Arts Gallery, Govt Girls Degree College Hayatabad, NUML Peshawar and others show-cased their work and took part in different competitions.

Institutional Performance Evaluation (IPE) Held

The three-day Institutional Performance Evaluation (IPE) visit was held from 20th -23rd June 2023. The Convener of the IPE delegation was Dr. Fazal ur Rehman, Associate Professor Department of Geography, Peshawar University while other members included Dr. Kashif Amin, Assistant Professor, Department of Management Science. Hazara University Mansehra includes Dr. Muhammad Ajmal, Associate Professor, Department of Agricultural Engineering UET Peshawar and Dr. Amjad Ali, Associate Professor, Electrical Engineering UET Pawar Jalozai Campus. The purpose of the visit is to review different aspects of academic, research and other matters of the university. To take and give suggestions for improvement in educational quality and academic performance for the coming year. Former Director QRC, Dr. Iftikhar Ahmed welcomed the delegation on behalf of the university and gave detailed presentation on the performance of the university. At the end of the visit, the delegation met the Vice Chancellor and presented the visit report expressing their satisfaction on the overall performance of the University and also offered their suggestions.

UET Peshawar, HPP France and Pedo to Set-up "Center of Excellence in Hydro Power Technologies"

UET Peshawar, in collaboration with Pakhtunkhwa Energy Development Organization (PEDO) and Hydro Power Plant (HPP) France, HPP France is a well-reputed French designer and manufacturer of hydro turbines will set up the Center of Excellence in hydro power technologies at USPCAS UET Peshawar. A high level visit of two partners was arranged on 11th January 2023 at the USPCAS-E UET Peshawar. The Center will be equipped with state-of-the-art facilities for design testing, commissioning and field testing of turbines, generators and other electro-mechanical components of hydro power plants. The HPP France's proven hydro technologies will also offer technology transfer and human resource development of the professionals and researchers of PEDO, HPP, France and UET Peshawar. The linkage will help in building the capacities of technical staff through provision of technical assistance and technical trainings, developing testing facilities and will support the high tech industry to penetrate in existing market.

Research & Development

CHAPTER 3

Outcome of University Research Activities

Department of Civil Engineering

S.No.	Title of Project *(Principal Investigator)*	Outcome (Expected Benefits to Society)
4	Seismic Capacity Assessment of Textile Fiber Reinforced Infill Walls in Reinforced Concrete Structure PI: Dr. Khan Shahzada Co-PI: Dr. Hafsa Jamshai (HEC) **Funded by:** (HEC-NRPU), **Rs. 6.10 M)**	A step towards affordable and sustainable housing

Department of Mechanical Engineering

S.No.	Title of Project *(Principal Investigator)*	Outcome (Expected Benefits to Society)
1.	Ultra High Molecular Weight Polyethylene with Rigid Reinforced Structures for use in Artificial Joint Application PI: Dr. Rizwan M. Gul **Funded by:** Joint Research Project (Pakistan Science Foundation-PSF and National Natural Science Foundation, China-NSFC), Rs. 3.7 million	Conducting 3 years duration sponsored research project on "Ultra High Molecular Weight Polyethylene with Rigid Reinforced Structures for Use in Artificial Joint Application". This project aims to design and fabricate high-performance ultra-high molecular weight UHMWPE implants with rigid reinforced framework for the joint application. The melt processable UHMWPE material will be prepared by compounding a small amount (~ 5.0 wt%) of LMWPE with the UHMWPE. During the injection molding, intense shear flow in combination with pressure will be applied to induce high-content, large-size shish-kebabs of LMWPE to construct the rigid framework. Either bulk crosslinking or surface crosslinking will be performed via peroxide diffusion. The highly surface cross-linked UHMWPE with rigid framework will simultaneously improve the wear resistance and mechanical performance.

2.	Personalized Cooling Vest Using Phase Change Materials PI: Dr. Rizwan M. Gul **Funded by:** Higher Education Research Endowment Fund Research Grant, Higher Education Department, Government of KPK Rs. 2.5 million	Conducting sponsored research projecton “Personalized Cooling Vest Using Phase Change Materials”. The project involves identification of a suitable phase change material for cooling vest. Improving the thermo-physical properties of phase change materials using carbonnanoparticles and making a cooling vest for commercialization in KPK and Pakistan.
3.	Friction and Wear Studies of Modified Ultra-high Molecular Weight Polyethylene for Use in Total Joint Replacements PI: Dr. Rizwan M. Gul **Funded by:** Agency: Pak-Turk Researchers' Mobility Grant Program, Higher Education Commission (HEC), Pakistan Rs. 2.6 million	Awarded research mobility travel grant under Pak-Turk Researchers' Mobility Grant Program funded by HEC.In the project UHMWPE mixed low molecular weight polyethylene will be processed by injection moldingfollowed by bulk or surface crosslinking. Surface crosslinking will be achieved by diffusion. Differentdoping time and temperature will be applied to observe the diffusion kinetics such as diffusion rateand diffusion depth. This is followed by using a multi-stage pin-on-disc tester to measure the wear of UHMWPE, in which the UHMWPEpins will be immersed in the bovine serum. The wear surface of the pins will be observed by opticalmicroscopy and scanning electron microscopy to reveal abrasion.

Center for Advanced Studies in Energy

S.No.	Title of Project	Fund Granted
1.	Investigating factors affecting socio-technical integration of Micro-Hydro Power projects in Khyber Pakhtunkhwa, Pakistan", Joint research project between University of Cambridge and UET Peshawar.	6700 GBP
2.	Clean cooking and electricity through E-Stove in Pakistan”, Joint research project between Keele University, UK, University of the Punjab and UET Peshawar funded by British Council.	6300 GBP
3.	Condition Monitoring and Predictive Maintenance of Fighter Aircraft Hydraulic System Using Machine Learning Algorithms”, Project Funded by Higher Education Commission.	13.228 million PKR
4.	UNIDO Energy Management System Implementation in KP and Baluchistan provinces of Pakistan”, Project Funded by UNIDO.	50000 USD

Department of Electrical Engineering

S.No.	Title of Project *(Principal Investigator)*	Outcome (Expected Benefits to Society)
1.	Road safety and disaster management / protection on CPEC Route **PI: Dr. Gul Muhammad Khan**	The project is approved by HED Khyber Pakhtunkhwa and is in progress. It is aim at Implementation of technological solution to curb nature / manmade disasters; the potential outcome is disaster protection on CPEC Route.
2.	Project Title: "Design and Development of Open National Seismic Catalog and Intelligent Earthquake Detection/Prediction System". RS. 14.6556 Million **PI: Dr. Gul Muhammad Khan**	
3.	Project Title: "Water Supply Management System using Wireless SCADA for Public Health Swat" **Funded by:** Public Health Swat Rs. 0.8 Million **PI: Dr. Gul Muhammad Khan**	
4.	Project Title: "Disaster Management using AI: Smart Disaster Management, Early Stage Prediction and Impact Analysis of Flood, Earthquake and Landslides **Funded by:** Planning Commission of Pakistan through HEC Rs. 170 Million **PI: Dr. Gul Muhammad Khan**	
5.	Project Title: "Safe City Management (Autonomous Events: Threat, Accident, Malicious Activities)" **Funded by:** Planning Commission of Pakistan through HEC Rs. 170 Million **PI: Dr. Gul Muhammad Khan**	
6.	Project Title: "Smart Environment: Impact Analysis and Prediction of Pollution on Animal and Plants" **Funded by:** Planning Commission of Pakistan through HEC Rs. 170 Million **PI: Dr. Gul Muhammad Khan**	

Department of Computer Systems Engineering

S.No.	Title of Project *(Principal Investigator)*	Outcome (Expected Benefits to Society)
1.	Machine-to-Machine Communication with Mobile Networks for Economic Stability and Peace PI: Dr. Safdar Nawaz Khan Marwat	The project is based on the requirements of a mega-project, the CPEC, and the focus of this project isto facilitate deployment of latest logistic related technology for remote monitoring of perishable goods during transportation. This project has resulted in establishment of research partnership with University of Lorraine, France which has enabled researchers from UET Peshawar to observe the highly advanced logistics and communication networking industries of France. Research travel grants for visits to Franceby young researchers from Pakistan has given them opportunity to work instate-of-the-art environmentsand comprehend the “dynamics in logistics”.
2.	Secured IoT Devices Lab PI: Dr. Salman Ahmad	This lab would enable the deployment of cutting-edge scientific concepts and IoT based devices for the attainment of various economic and developmental goals. The utilization of IoT devices for monitoring of goods during conveyance is of paramount importance for ensuring the delivery of articles in good shape. Such kind of data is related to the condition, location, quantity and value of goods. However, such type of remote monitoring systems not only possess communication and mobile networking challenges, but also the protection of this immensely valuable data is a very complicated task. This process of achieving secure IoT communications requires acquaintance with the peculiarities of IoT based communication as well as an awareness of the innovative features of mobile networks along with careful design of the system.
3.	Employing 'IoT' technology to automate and secure the registration process of container trucks. PI: Dr. Bilal Habib	Hundreds of trucks carrying important trade items cross the international Pak-Afghan border at Torkham and Chaman on daily basis. These trucks provide the lifeline for the trade between Pakistan and Afghanistan. Currently each truck is stopped at the border for registration, identification and authentication purposes. This process is done in manual and archaic methods. It results into slowing down the trade: sometimes trucks wait for days for processing and paper work. We propose to install a system of secure sensors and scanners. We will bring down the time to register a truck; from days to under 1 min. It will make the trade more efficient and significantly reduce the costs like fuel, truck parking, driver salaries and manual labor. Smuggling and illegal trade will be checked and addressed by incorporating smart locks and digital signatures. Industries will get direct benefit if smuggling is tackled. It will ensure job creation at national and regional level. By removing the manual registration, we make the system free of commissions and red-tapism. It will result into more money collected for national kitty. By securing the system, military and sensitive agencies can get a direct benefit for ensuring the national security.
4.	A more reliable solar system for residential and commercial application PI: Dr. Tariq Kamal	The current solar energy systems suffer from lower efficiency and reliability. We are designing a system that improves the overall efficiency of the current solar energy system. The resultant system will be more safe, cost-effective, reliable and efficient. Improving the efficiency of the system will make the technology cheaper, thus allowing small and medium enterprises and residential consumers to get electricity at much affordable rates. Our work will also benefit people in the remote areas where usually there is no access to the national grids, or the voltage is very low.

Department of Computer Systems Engineering

S.No.	Title of Project *(Principal Investigator)*	Outcome (Expected Benefits to Society)
1.	Establishment of Multimedia streaming and analytics R&D Lab PI: Dr. NasruMinallah **Funded by:** HEC	This project is funded by HEC as part of National Center for Big Data and Cloud Computing. The objective of this R&D activity is to develop a cloud computing based P2P live and on-demand multimedia streaming application and to conduct research in the same field. The recent convergence of the communication and computing industries has resulted in the development of various consumer electronic devices, such as smart phones, smart TVs, gaming consoles and tablets. With the emergence of these new generations of devices, video playback and its quality has become key driving factor leading to their development. The transformation of these devices with various functions, such as video conferencing, video gaming, social networking and video continent distribution has resulted in the creation of heterogeneous networking environment, where different users use different type of devices to communicate with each other. Our goal is to design and develop an advanced live multimedia streaming system, with support of scalability feature to work effectively in diverse networking conditions and provision of high user quality of experience with increase in number of users, with effective utilization of cloud computing, storage and analytics resource for multimedia streaming.
2.	Establishment of Remote sensing big data analytics and computing R&D Lab PI: Dr. Nasru Minallah **Funded by:** HEC	This project is funded by HEC as part of National Center for Big Data and Cloud Computing. The objective of this R&D activity is to develop a cloud computing based land-use and change detection system using remote sensing to assist Planning Agencies, Government organizations, environment monitoring agencies, individuals and organizations, to effectively obtain land-use and change detection statistics for planning and monitoring of the land surface and environment. A Remote Sensing system will be developed that will effective utilization cloud's storage, computing and analytics resource for land-cover use and change detection.
3.	Establishment of Traffic characterization and analyticsR&D Lab PI: Dr. Nasru Minallah **Funded by:** HEC	This project is funded by HEC as part of National Center for Big Data and Cloud Computing. Vehicular traffic flow being a dynamic system, experiences perturbation because of new entrant vehicles at ingress. Causing shock waves which travels back in the traffic flow system causing congestions. Congestion, excessive acceleration and deceleration increases fuel consumption, emissions (CO2, CO, dust particles etc.) and accident's vulnerability. Traffic flow models will be devised using Wave propagation, Fluid Flow dynamics, Constraint/linear programming, Queuing theory and regression techniques for forecasting, congestion mitigation and ameliorating traffic flow. A working simulator for traffic flow characterization and analytics will be developed that will support of real time route choice to the drivers by integrating real time data (congestion, pollution, and traffic flow) and make decisions for real time traffic.

4.	Establishment of Cloud Integration and analytics for mass data platform R&D Lab PI: Dr. Nasru Minallah **Funded by:** HEC	This project is funded by HEC as part of National Center for Big Data and Cloud Computing. Gathering of digital data and computing analytics to ensure governmental regularization of revenue and citizens welfare from digital apps and IoT ecosystem. Map-based digital portal will be developed that provides citizens and governing bodies with visual analytics to understand complex municipal data e.g. a citizen can see the analytics of pollution, crimes, road conditions, load shedding timing, street light conditions of any postal code. Governing bodies can use data for policy making, and monitoring. The digital portal will have support of search engine, analytics and heat maps support.
5.	Innovative Secured Systems Lab (ISSL), National Center for Cyber Security PI: Dr. Sadeeq Jan **Funded by:** HEC	Innovative Secured Systems Lab (ISSL) is established at UET Peshawar as part of the National Center for Cyber Security, a joint venture of HEC and Planning Commission. The aim of ISSL is to address cyber security issues and provide indigenous solutions for security testing of web-based systems, enhancing the security of IoT Devices and using blockchain technology for developing secure web and mobile applications. There are three sub-labs of the ISSL lab, i.e., Security Testing Lab, Secured IoT Devices Lab and BlockChain Security Lab. All of these labs have demonstrated excellent progress beyond their KPIs and developed several cyber security products and frameworks including: effective vulnerability detection tools for web applications, automated tool for security asset classification, testbed for training and testing on web-based vulnerabilities, permission analyzer for mobile applications, framework for security assessment of Pakistani banks, anonymous chat application for mobile, diamond supply chain application, fabricated prototype for cyber secure smart logistics etc. These tools have been tested successfully and some of them have also been delivered to the industrial partners. In addition, the researchers of the labs have published more than 15 research papers in well-reputed international conferences and journals having high impact factors. ISSL Lab have also offered a number of workshops and seminars to create awareness on Security issues in Pakistan. Further, the lab also offers 6 months training courses on security and ethical hacking under the Prime Minister Kamyab Jawan Program. A number of MS and PhD students are conducting their research in the lab in various fields of cyber security.

Department of Chemical Engineering

S.No.	Title of Project *(Principal Investigator)*	Outcome (Expected Benefits to Society)
1.	Design and structure modulation of nano-composite membrane with bi-interception for juice concentration PI: Prof. Dr. Saeed Gul	Produced one Ph.D, three M.Sc students and 05 Impact Factor Research publications. Pilot-plant fabricated for experimental investigation of fruit juice concentration. Geopolymeric membrane pores and porosity were optimized.

Department of Mining Engineering

S.No.	Title of Project *(Principal Investigator)*	Outcome (Expected Benefits to Society)
1.	National Centre of AI Development of Intelligent Mineral Resource Estimation and Intelligent Mine Planning Algorithms PI: Dr. Khan Muhammad	The research outcomes are providing solutions to the industry at National and International levels in mineral resource estimation, mine design and production scheduling through IoT and AI-based algorithms. Researchers, internees and students from these projects emanate to find excellent job placement globally.
2.	Mineral Resource Estimation and Mine Planning for Copper ore Project North Waziristan PI: Dr Khan Muhammad	Mineral Resource estimation and Mine Design were provided to the Mineral Exploration Development Organization (MEDO) FWO for the first of kind mining venture in Pakistan.
3.	Technical and Economical design of placer gold extraction plant flowsheet PI: Dr. Ishaq Ahmad	The project has developed an indigenously designed gold processing unit that is useful for processing placer deposits in Pakistan. Several students at BSc, MSc, and PhD levels have emanated from this project.
4.	Up gradation, utilization and value addition of KP coal Resources PI: Dr. Khan Muhammad	The project has developed an indigenously designed coal processing unit that is useful for upgrading coal deposits in Pakistan. Several students at BSc, and MSc, levels have emanated from this project.
5.	Mineral Resource Estimation of Shinkai Copper Deposit for PMDC PI: Dr. Khan Muhammad	Mineral Resource estimation of copper deposit was provided to the Pakistan Mineral Development Corporation FATA for coper deposit at Shinkai North waziristan

Center for Industrial and Building Energy Audits (CIBEA)

S.No.	Title of Project with PI	Outcome (Expected Benefits to Society)
1.	Center for Industrial and Building Energy Audits (CIBEA) PI: Prof Dr. M. A. Irfan **Funded by:** (HEC-TDF) Rs. 12 Million	Conducted Energy Audits in some University Departments and presented its results to the University in a seminar, "Energy Savings in Universities." The projected savings by applying the energy conservation measures can be up to Rs. 18 Million per annum. Conducted an extensive Energy Audit of FF Steel Mill, Lahore. The resulting energy conservation measures can lead to a saving of ten of millions rupees per annum. Funded two merit based scholarships to the students from field of energy.

S.No.	Project Name	Duration
1.	**UNIDO KP and Baluchistan Region**	2019-On going
2.	**Millac Food**	Aug-20
3.	**Nust Fazal Steel**	Mar-21
4.	**Peshawar Chemicals**	May-21
5.	**Sarhad Paper**	Aug-21
6.	**NEECA Captive Power Plant Project *****	Dec 2020- Oct 2021
7.	**KPOGCL Project (Dr. Arif Khattak)**	July 2021 - Sep 2021

Department of Industrial Engineering, Jalozai Campus

S.No.	Title of Project with PI	Outcome (Expected Benefits to Society)
1.	Design and Manufacturing of Assistive Devices used in Physical Rehabilitation of Disable People using Additive Manufacturing Technology PSF (Triple Helix model) PI: Prof. Dr. Sahar Noor Co-PI: Dr. Tufail Habib	The project is funded by PSF. It is about development of assistive devices for disable people. Two PhD and one MSc student working on the project, the outcome and benefits of the project are: ◗ Customized assistive parts and devices for the disabled people in Pakistan. ◗ Reduced material wastes using FDM technology for sustainable production. ◗ Ergonomic designs of assistive devices will be tested on patients at Paraplegic center. ◗ Technology transfer to Paraplegic center Peshawar

Department of Basic Science & Islamiat

S.No.	Title of Project with PI	Outcome (Expected Benefits to Society)
1.	A Computational Meshless Procedure for Interface Problems PI: Prof. Dr. Siraj-ul-Islam	To produce Ph.D students and research publications in top notch journals and to produce applied mathematicians who can work in multi-disciplanry environment of Bio-medical engineering and computation fluid dynamics.
2.	Mathematical Models for Segmentation of MRI and Mamograme Images and Applications (HEC NRPU) PI: Dr. Noor Badshah	Produced one Ph.D. student and two research publications.

Seminars, Workshops & Conferences

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

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

International Conference on "Sustainable Energy Technologies"

The 3rd international conference on sustainable energy technologies was held online at the Center for Advanced studies in Energy, UET Peshawar. The theme of the conference was "Energy for Sustainable Development". The Guest speaker included Prof. Dr. Clark Miller from Arizona State University, USA where he talked about Energy - Poverty Nexus. Other keynote speakers included Dr. Asif Mehmood from the University of Sydney, Australia and Dr. Faisal Asfand from University of Huddersfield, UK who spoke about the Advances in Battery Technology and Thermal Technologies, respectively. In total, 70 papers were presented in the conference.

Seminar on "Awareness against harassment at workplace" held

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

Call for Application of AI for effective disaster management

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

The Rehmat-ul-Alamin Week 2021

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

Anti-Corruption Week 2021

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

2nd Annual IEEE International Confernce

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

E-Commerce "Challenges & Opportunities, its Impact on the Business World"

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

Mental Health Awareness

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

Ethical Hacking of Systems and Protection Techniques

A technical workshop on "Ethical Hacking of Systems and Protection Techniques" was arranged by the National Center for Cyber Security UET Peshawar (NCCS-UETP), on November 19, 2021 under the supervision of Dr. Sadeeq Jan, Project Director. The aim of the workshop was to create awareness about the importance of cyber security, ethical hacking, live demonstration of attacks with interaction of audience, vulnerability exploitations and protection techniques.

Calling All Startups

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

All Pakistan Declamation Contest

All Pakistan Declamation Contest was held at Iqra National University Peshawar on December 28 & 29 , 2021. A total of 130 participants took part representing renowned Institutions of Pakistan. Team from UET Peshawar took part and won the contest by securing major positions. Muhammad Osama Jadoon, 5th semester Mechanical Engineering Department clinched 2nd Position in "English Serious" Category while Mahnoor Rahman, 5th semester Civil Engineering Department stood 2nd in "English Humorous" Category. Barrister Saif Ali Khan' Special Advisor to CM KP and Vice Chancellor Iqra National University.

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.

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 conference was aimed to promote research in the field of disaster mitigation and disaster management for floods, earthquakes and other natural disasters in Pakistan.

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.

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.

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.

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.

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 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).

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 aimed to highlight issues; challenges faced by the Mines industry and create awareness on professional ethics and safety courses.

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.

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.

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.

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. The comepititions included, tech games, e-gaming and a series of workshops on Artificial Intelligence, Block Chain and Cyber Security.

PIChE-2022 Launched at the Department Chemical Engineering
The Department of Chemical Engineering arranged an interactive session of students with the Vice Chancellor 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.

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.

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.

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.

International Conference on "Robotics and Automation in Industry (ICRAI)"
The 5th International Conference on "Robotics and Automation in Industry (ICRAI)", organized by the Department of Mechatronics Engineering UET Peshawar, Society of Mechatronics Engineering and National Centre of Robotics & Automation (NCRA) kicked off on 3rd March 2023. This three-day conference from 3rd - 5th March 2023 had key speeches from academia of reputable universities from Canada and Australia, technical sessions, poster/industrial exhibitions and Youth Robotic Competitions. The conference was co-sponsored by IEEE while the financial sponsors included, AH Group Companies, Karkun, Directorate General of Science & Technology (DoST) Khyber Pakhtunkhwa and Pakistan Science Foundation. Justice (Rtd) IrshadQaisar,

then Minister Higher Education Khyber Pakhtunkhwa was the chief guest of the opening ceremony. Advisor to Chief Minister Khyber Pakhtunkhwa for Finance Mr. HamayatUllah Khan appreciated the efforts of Vice Chancellor and Chair conference for engaging various stakeholders from industry, government and academia. Prof. Dr. Tahir Khan said, the ICRAI 2023 brings together the researchers and companies to share ideas and advances in the fields of robotics and automation in industry. Taking place simultaneously are the "Industrial project and poster exhibition" and "Youth Robotics (YRT 2023) competitions".

Advanced Clean Energy Summit

The two-day Advanced Clean Energy Summit, organized by the American Society of Mechanical Engineers (ASME) UET Peshawar Chapter concluded on 12th January 2023 . The Summit provided a common platform for government, policy makers and leaders in private sector to collaborate on critical issues and opportunities in harnessing clean energy in Khyber Pakhtunkhwa. Speakers urged for reduction in energy use and better waste management to a shift towards renewables for sustainable consumption in future.

Advisor ASME Dr. Muhammad Alamzeb Khan and Osama Humayun Jadoon, President ASME UET Peshawar arranged the event. Javed Iqbal Khattak, CEO KPEZDMC said, KPEZDMC is aimed to develop economic zones by capitalizing on industrial strengths of Khyber Pakhtunkhwa. As many as 290 industrial units are in process of setting up while 14 special economic zones are already established which will lead the region towards rapid industrialization. He said, KPEZDMC as one of the largest employment organization offers jobs and business opportunities to the engineers of the province. He assured his support to engage talented graduates in job markets and give them industrial exposure through visits to major economic zones including Rashakai Special Economic Zone.

Sponsors of the Summit included Green Wend Energy ARAR Group and MEPlanet. Key note speakers were from USPCASE UET Peshawar, USPCASE NUST and UET Taxila. Later, the Vice Chancellor Prof. Dr. Iftikhar Hussain gave away shields and souvenirs to the guest speakers and organizers.

"Business Leaders' Summit"

ORIC, UET Peshawar in collaboration with the Elegant Ocean &Rotaract Club, Islamabad organized an event on "Business Leaders' Summit" hosted by UET Peshawar on 20th June 2023. The summit was aimed on promoting entrepreneurship in young graduates and fostering innovation to seize the opportunities available in the national and international markets. Prof. Dr. Qaisar Ali, Pro-Vice Chancellor, UET Peshawar graced the occasion with his presence while a large number of students, faculty and researchers also participated in the event and showed their interest.

UET Peshawar with NIC and Asia Foundation Conducted a Pitching Session

The ORIC UET Peshawar, in collaboration with NIC Peshawar and Asia Foundation conducted a pitching session on 5th January 2023 where shortlisted students presented their ideas for The Net Zero Challenge, a joint program of NIC Peshawar and the Asia Foundation, aimed to engage KP's growing youth bulge to understand the implications of climate change, conflict, and affiliated social issues through dialogue, innovation and application of technology.The contestants made presentations on mitigating Climate Change Challenges through innovative tech solutions resultantly making the world a peaceful place to live. The successful students will go on to enroll to the Tech Camps and get a chance at having their ideas implemented.

Workshop on "Materials in Orthopedics"

A one-day workshop on "Materials in Orthopedics" was held on 15 June 2023. The workshop aimed at sharing the best practices in the field of materials used in orthopedics was jointly organized by the Department of Mechanical Engineering, UET Peshawar and Department of Orthopedics, Peshawar General Hospital (PGH). The Vice Chancellor addressed the audience as chief guest. He emphasized over the increasing importance of materials in orthopedics which will help expand the scope of orthopedic care through cutting edge technology taking place in material sciences and engineering fields. He appreciated the efforts of Prof. Dr. Rizwan M. Gul, Chairman Department of Mechanical Engineering UET Peshawar for arranging the workshop.

The experts recommended for concerted efforts between the medical doctors and engineers from the field of material sciences in order to develop sustainable and long lasting orthopedic materials, implants and devices for advancement in the field of orthopedics in Pakistan. The workshop particularly focused on the main factors of friction, wear and lubrication (Tribology) and Mechanical Properties in Total Joint Replacement.

Prof. Dr. Rizwan M. Gul, gave an overview of materials in orthopedics and recent developments in use of UHMWPE in Total Joint Replacement. Prof DR. Zahid Askar, Peshawar General Hospital, presented his views on total joint replacement and its future prospects and Prof. Dr. Awal Hakeem, Peshawar General Hospital presented his views on Tribology of Total Joint Replacement.

Prof. Dr. Sahar Noor, Dean Faculty of Mechanical Chemical Industrial Engineering said, many of the challenges in producing new orthopedic implants center around materials, "while there is no shortage of innovative ideas, there is a need to have a common platform to analyse and research around these areas," adding, "UET Peshawar would offer its technical services to the medical professionals for ensuring patient safety and achieving the best results". He distributed the certificates to the participants of the workshop including Hayatabad Medical Complex, Khyber Teaching Hospital, Lady Reading Hospital, Peshawar General Hospital, Pipos and Paraplegic Center, Peshawar. Prof. Dr. Afzal Khan, Department of Mechanical Engineering was the moderator of the workshop while Dr. Khizar Azam Khan, Registrar UET Peshawar, senior faculty members and experts from various organizations were also present on the occasion

Workshop on "From Application to Acceptance"

The Predication Platform for Champions (PPC) in collaboration with UET Peshawar arranged interactive workshop "From Application to Acceptance: A Comprehensive workshop on 23rd February 2023 maximizing chances of qualifying the international Internship and Master Scholarship Opportunities" for the students of UET Peshawar". The workshop was aimed to guide the students regarding the master's scholarship opportunities abroad and its application methodologies.

Workshop on "Maximizing Chances of Qualifying the International Internship and Master Scholarship Opportunities"

A Comprehensive workshop on maximizing chances of qualifying the international Internship and Master Scholarship Opportunities" was held on 24th February, 2023.The workshop, hosted by Production Platform For Champions (PPC) was led by Maimoona Hasnain, who shared her expertise and guidance with the enthusiastic attendees.The workshop was not only attended by the students, but also by esteemed faculty members of UET Peshawar, including Qaz iUsman (CDC Ambassador of Industrial Engineering Department) and Prof. Dr. Misbah Ullah (Chairman Industrial Engineering Department).

Workshop on "Digital Branding and Employability Via Linkedin'

A one-day workshop on 'Digital Branding and Employability via LinkedIn' was organized by the "Let's Help Welfare Society (LHWS) and Pakistan Institute of Chemical Engineering (PIChE), in collaboration with "Movers and Greenbox", affiliated with UNDP on 1st March 2023. The event was supervised by LHWS advisor Prof. Dr. Khan Shahzada and PIChE advisor, Dr. Naseer Ahmed. The aim of the workshop was to guide students on how to build personal brand and gain employability through LinkedIn.PIChE President UsmanZahid and LHWS President Haris Abdullah also delivered the closing remarks.

Workshop on "Professional Resume Writing"

A workshop on professional resume writing was arranged at the Department of mechanical engineering UET, Peshawar on 26th May 2023 in collaboration with the Youth Development Institute (YDI) . Prof. Dr. Rizwan M Gul, Chairman Department of Mechanical Engineering along with other faculty members attended the occasion. Mr. Muhammad Akmal Khan along with his YDI team conducted the workshop.

Right to Public Services (RTS)

An Awareness Seminar on "Right to Public Services (RTS) KP" was organized on 24th May, 2023 by the Jalozai Campus UET, Peshawar. Mr. M Salim Khan, (Chief Commissioner RTS Commission KP) and Justice M. Asim Imam (Commissioner RTS Commission KP) were the speakers of the seminar. The speakers highlighted the importance of RTS Commission and briefed the audience regarding its role, services offered to the citizen in various public departments, timeline and compliance methods. At the end, a detailed question answer session was also held where the speakers answered questions of the audience.

Subsurface Geophysical Imaging of Solid Waste Management Dump Site: Implications for Soil and Ground Water

A one-day seminar on "Subsurface Geophysical Imaging of Solid Waste Management Dump Site: Implications for Soil and Ground Water", was held at UET Peshawar on 26thMay 2023. The seminar was jointly organized by the Pakistan Scientific and Technological Information Center (PASTIC), Agricultural Engineering Department (AED) UET Peshawar and National Center of Excellence in Geology (NCEG), University of Peshawar. The resource persons of the seminar were Dr. KhurramSheraz, Assistant Professor, AED and Dr. Muhammad Younas Khan, Assistant Professor, NCEG, University of Peshawar. The chief organizer of this seminar was Dr. Muhammad Ajmal, Associate Professor, AED, UET Peshawar. The seminar was aimed to update the audience especially students about how to use the new techniques in identifying soil and groundwater contamination and sustainably prevent soil and groundwater degradation to live a healthy life.

Clean Campus Drive

A seminar on Clean Campus Drive was held at UET Peshawar on 7 June 2023, organized by the Directorate of Clubs and Societies, UET Peshawar in collaboration with WSSP. The chief guest of the seminar was Prof. Dr. Sahar Noor, Dean Mechanical, Chemical and Industrial Engineering, UET Peshawar. In his address, he said, WSSP's services are commendable which has been proved by their commitment UET Peshawar being the first ever university in Peshawar that had signed the MoU with WSSP a few years ago have seen a positive response from WSSP and their team members. He assured cooperation with WSSP on conducting joint research and development in the fields of "plastic and packaging", solid waste management and water resource management". he added.

Hafiz Muhammad Ismail, Manager Community Liaison Cell (CLC) WSSP said, Clean Campus Drive is aimed to sensitize the students and teaching community on their role in helping WSSP to improve the environment through cleaning efforts and scientific solid waste management. He said, at present we have 63 union councils where WSSP is offering its services while enabling 42 model streets, 251 wash clubs that are active in 43 union councils. He said that pet plastic bottle recycling is a big challenge and urged support of faculty and researchers for handling this issue on a technical basis.

Rising Trends of AI in Business and Entrepreneurship

The National Center of Artificial Intelligence UET Peshawar organised a one day seminar on "Rising trends of AIin Business and Entrepreneurship" on 4 January 2023. Mr. Amir Anzur, the internet entrepreneur spoke on "market trends and evolution of AI" and Ms. WagmaFarid, BDM NCAI deliberated on "gender inequality in the technological sector of Pakistan" At the end, Dr. SuhailYousaf delivered the closing remarks. The Chief Guest Prof. Dr.Waqar Shah Chairman Department of Electrical Engineering UET Peshawar gave away shields to the speakers.

Solar Basics

A seminar on “Solar Basics” was organized by the Department of Electrical Engineering in collaboration with the Institute of Electrical and Electronics Engineers (IEEE) and Women in Engineering (WIE) on 4th January 2023. The guest speaker for of the seminar was Engr. Muhammad SaleemBarg, CEO of Barg Engineering who is also the alumnus of UET Peshawar who briefed the audience about solar energy technology, basic solar radiation, photovoltaic, concentrating solar-thermal power, grid integration and soft costs.

Session on "Winning Attitude and Success"

A session on "Winning Attitude and Success" was organized by the Career Development Center (CDC)UET Peshawar for students, faculty members and administrative staff of UET Peshawar 18 January 2023.The guest speaker was Dr. Muhammad ArifSiddiqui,a well known writer, motivational speaker, public speaker and expert in personality development.

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- I Hussain, Ibrar Ullah, W Ali," Exploiting lion optimization algorithm for sustainable energy management system in industrial applications" Sustainable Energy Technologies and Assessments 52, 102237 Y, 7.632, 2022.
- Ibrar Ullah, "Exploiting Moth-Flame Optimization Algorithm for Optimal Load Management of the University Campus:A Viable Approach in the Academia Sector" Energies 15 (10), 3741, Y, 3.252, 2022.
- MBE Sajid, S Ullah, N Javaid, Ibrar Ullah, "Exploiting Machine Learning to Detect Malicious Nodes in Intelligent Sensor-Based Systems Using Blockchain" Wireless Communications and Mobile Computing, N, 2.146, 2022.
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- Ramachandran, V.; Ramalakshmi, R.; Kavin, B.P.; Hussain, I.*; Almaliki, A.H.; Almaliki, A.A.; Elnaggar, A.Y.; Hussein, E.E*. Exploiting IoT and Its Enabled Technologies for Irrigation Needs in Agriculture. Water 2022, 14, 719. https://doi.org/ 10.3390/w14050719, N, 3.53, 2022.
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- W. Shahjehan, I. Hussain*, K. Amin, I. Ali, A. Riaz and P. Uthansakul "Hepta-Band Antenna for 5G Applications", Wireless Pers Commun (2022). https://doi.org/10.1007/s11277-022-09644-8, Y, ,1.6, 2022.

Student Research Projects 2021-23 (B.Sc. M.Sc. & Ph.D.)

At UET Peshawar, every student does a project as part of curriculum. Following are the projects undertaken during July 2021 to June 2023. Our Undergraduate and Postgraduate students are vigorously involved in applied research which is approved by BOASAR mentioned below:

- Bakhtiar Ali, Ubidullah, Muneeb-Ur-Rehman, Humaira Khan, "Smart Energy Meter for instant energy consumption monitoring via android app using GSM technology", supervisor by Prof. Dr. S. Waqar Shah and co-supervisor Dr. Salman, Department of Electrical Engineering, Peshawar.
- Ammar Aleem, Ahmad Sufyan Khan, Muhammad Talha Khan, Awais Yaqub, "Desired voltage and frequency on adjustment from mini plug and play grid system", supervisor by Dr. Gul Muhammad and co-supervisor Dr. Salman, Department of Electrical Engineering, Peshawar.
- Ihsanullah Bangash M Asim Hameedullah, Ubaid Ullah, "IOT Based smart system for solar panel fault detection", supervisor by Dr. Irfan Khattak and Co-supervisor Engr. Salman, Department of Electrical Engineering, Peshawar.
- Muhammad Azhar Ali, Rimsha Saleem, Shahrukh Khan, Manahil, "Forecasting and prioritization of solar power and energy management system for hospitals", supervisor by Engr. M. Kashif Khan and Co-supervisor Engr. Salman, Department of Electrical Engineering, Peshawar.
- Basir Khan, M. Fawad and Sikandar Khan, "Stream flow prediction based on CMIP6 scenarios using machine learning models" supervised by Dr. Afedullah Khan, Department of Civil Engineering, Bannu Campus.
- Asfand Yar Ali, Optimized Charge Discharge Control Algorithm for Distributed Battery Energy Storage Systems in Smart Grids, Dr. Abdul Basit, Electrical Energy System, USPCAS-E.
- Hurmat Khan, Study of charging and discharging behavior of phase change materials (PCMs) in real environmental conditions, Dr. Khurshid Ahmad, Thermal Energy System, USPCAS-E.
- Owais Ahmad, Design, Performance and Feasibility Assessment of Solar PV System for Irrigation, Dr. Adnan Daud Khan, Renewable Energy Engineering, USPCAS-E.
- Engr. Shafi-Ur- Rehman, CFD Analysis for Determination of Heat Transfer Coefficient and Performance Enhancement in Basin Solar Still, Dr. Muhammad Hassan, Thermal Energy System, USPCAS-E.
- Faisal Mohiuddin, Development of an Energy Management System for Bacha Khan International Airport, Peshawar, Dr. Zohaib Ur RehmanAfridi, Energy Management and Sustainability, USPCAS-E.
- Waqar Ahmad, Device Simulation and Optimization of non-toxic Perovskite Solar, Cells using SCAPS-1D Dr. Muhammad Noman, Renewable Energy Engineering, USPCAS-E.
- Ayan U Rehman, Faseeh Abbas, Mohsin Waqar, Kasif Javeed Afridi, Design and Fabrication of portable Surveillance Birds, Deptt: of Mechanical Engg:, Peshawar.
- Amina Khan, Muhammad Yasir, Muhammad Nasir, Syed Salman Shah, Design and Development of distribution Transformer Monitring System Using IOT, Department of Mechanical Engineering, Peshawar.
- Syed Aliyan, M.Faisal, Fahad, Riasat, Experimental Analysis of 3D Printer Process Parameters, Department of Mechanical Engineering, Peshawar.
- Engr. Asadullah, "Land scape and climate temporal changes and its impact on water sustainability", supervisor by Dr. Muhammad Ajmal, Department of Agricultural Engineering.
- Engr. Sajid Hussain, "Development of an integrated water management plan for district Buner", supervisor by Prof. Dr. Muhammad Shahzad Khan, Department of Agricultural Engineering.
- Taib Ullah, "Design of drip irrigation system for citrus orchard fruits in district Peshawar", supervisor by Prof. Dr. Muhammad Shahzad Khan, Department of Agricultural Engineering.
- Sidra, Dawood Ahmad and Adnan Zain, "Design and Fabrication of Smart, Portable and Economical Incubator", Supervisor by Prof. Dr. Zia ul Haq, Department of Agricultural Engineering.
- Akhter Amin, "Extraction of Diamer Basha Dam catchment characteristics using HEC GeoHMS", Supervisor by Prof. Dr. Muhammad, Department of Agricultural Engineering.
- Shahzad Khan, Abdullah Shah and Hashim Nawaz "Assessment of crop water requirements of sugarcane using crop wat model: acase study of Dera Ismail Khan", Supervisor by Meritorious Professor Dr. Taj Ali Khan, Department of Agricultural Engineering.
- Engr. Kamran Akbar, "Synthesis and Characterization of Deep Eutectic Solvent", Supervisor by Prof. Dr. Saeed Gull and Co- Supervisor Dr. Mansoor Ul Hassan Shah, Department of Chemical Engineering.
- Engr. Zakria Khan, "Recovery of Valuable Minerals iron ore and copper through gravity separation techniques", Supervisor by Dr. S. Naveed Ul Hassan, Department of Chemical Engineering.
- Engr. Muhammad Rovaid Khan, "Investigating the co-combustion characteristics of local low rank coal with organic waste", Supervisor by Prof. Dr. Mudassar Habib, Department of Chemical Engineering.
- Engr. Hikmat Ullah, "Filtration of selected dyes using Ti3AIC2 based composite membrane", Supervisor by Prof. Dr. Mohammad Younas and co-supervisor Dr. Mansoor Ul Hasan Shah, Department of Chemical Engineering.
- Engr. Azfar Zaman Khattak, "Development of an ionic liquid based green composite,

to remove heavy metals from water", Supervisor by Dr. Mansoor ul Hassan, Department of Chemical Engineering.

- Engr. Muhammad Tufail Anwar, "Development of portable Higher heating value fuel composite by the infusion of cow dung and agricultural biomass", supervisor by Dr. Nehar Ullah, Department of Chemical Engineering.
- Engr. Naeem Ahmad, "Synthesis and characterization of hydrophobic geopolymeric membrane from metakaoline for water desalination", Supervisor by Prof. Dr. Saeed Gul, Department of Chemical Engineering.
- Engr. Yasir Hussain, "Comparative study of pressure driven and osmotically driven membrane separation processes in terms of specific energy consumption", Supervisor by Prof. Dr. Saeed Gul, Department of Chemical Engineering.
- Engr. Murtaza Zafar, "Performance Evaluation of Cocklebur and Coal as Hybrid Solid Fuel", Supervisor by Prof. Dr. Mudassar Habib and Co-Supervisor Engr. Amad Khan, Department of Chemical Engineering.
- Engr. Imad Ali, "Experimental Investigation and Comparative Analysis of Surfactant and Nanofluid Additives for Pool Boiling Heat Transfer Enhancement", Supervisor by Dr. Naseer Ahmad Khan and Co-Supervisor Dr. Syed Naveed Ul Hassan, Department of Chemical Engineering.
- Engr. Muhammad Tufail Anwar, "Development of portable Higher heating value fuel composite by the infusion of cow dung and agriculture biomass", Supervisor by Dr. Nehar Ullah, Department of Chemical Engineering.
- Engr. Murtaza Zafar, "Performance Evaluation of Cocklebur and Coal as Hybrid Solid Fuel", Supervisor by Prof. Dr. Mudassar Habib and Co-Supervisor Engr. Amad Khan, Department of Chemical Engineering.
- Engr. Nadeem Shah, "CO2 Absorption for gaseous fuel up-gradation application", Supervisor by Dr. Muazzam Arshad, Department of Chemical Engineering.
- Engr. Muhammad Amir Sarwar, "Characterization of Produced Water Based on the Geography and age of the Oil and Gas Fields", Supervisor by Dr. Asmat Ullah and Co-Supervisor Dr. Mauzzam Arshad Paracha, Department of Chemical Engineering.
- Engr. Shazain Khan, "Post combustion CO2Capture by MXene based Mixed-Matrix Membrane", Supervisor by Prof. Dr. Mohammad Younas and Co-Supervisor Dr. Mansoor Ul Hasan Shah, Department of Chemical Engineering.
- Engr. Hikmat Ullah, "Filtration of selected dyes using Ti3AIC2 based composite membrane", Supervisor by Prof. Dr. Mohammad Younas and Co-Supervisor Dr. Mansoor Ul Hasan Shah, Department of Chemical Engineering.
- Engr. Iatizaz Hassan, "Emission of black plumes from the chimneys of indigenous brick making kilns; a plain analysis of the blackish part of the smoke", Supervisor by Dr. Naseer Ahmed, Department of Chemical Engineering.
- Engr. Irfan Ali, "Computational Fluid Dynamics (CFD) modeling of Ion exchange membrane for peptide separation", Supervisor by Prof. Dr. Mohammad Younas, Department of Chemical Engineering.
- Engr. Kamran Akbar, "Synthesis and Characterization of Deep Eutectic Solvent", Supervisor by Prof. Dr. Saeed Gull and Co-Supervisor Dr. Mansoor Ul Hassan Shah, Department of Chemical Engineering.
- Engr. Gul E Mehwish, "Gravelly Soil Liquefaction Potential Assessment on updated Case History Dataset using Machine Learning Classifier", Supervisor by Dr. Mahmood Ahmad, Department of Civil Engineering.
- Engr. Fahad Anees, "Numerical Modelling of Brick Masonry Wall Subjected to Blast Loading", Supervisor by Prof. Dr. Amjad Naseer and Co-Supervisor Dr. Awais Ahmed, Department of Civil Engineering.
- Engr. Waheed Ullah Islam, "Selection of Bus Rapid Transit Corridors for Kabul City, Afghanistan", Supervisor by Dr. M. Tariq Khan, Department of Civil Engineering.
- Engr. Saeed Akbar, "Performance Evaluation of Confined Dry Stacked Block Masonry Walls After Retrofitting", Supervisor by Prof. Dr. Khan Shahazada, Department of Civil Engineering.
- Engr. Abdul Halim Halimi, "Comparative study on seismic behavior of ordinary concrete and engineered cementitious composite shear walls", Supervisor by Prof. Dr. Khan Shahzada and Co-Supervisor Dr. Qazi Samiullah, Department of Civil Engineering.
- Engr. Irfanullah, "Improvement of Cellular Lightweight Concrete (CLC) Block Masonry Walls", Supervisor by Dr. Shahid Ullah and Co-Supervisor Prof. Dr. Khan Shahzada, Department of Civil Engineering.
- Engr. Hayat Ullah, "Estimation of Ground Motion Parameters for Structural Design Using Woo Approach for Pakistan", Supervisor by Dr. Shahid Ullah, Department of Civil Engineering.
- Engr. Inam Ullah, "Influence of Agro-wastes on Mechanical and Microstructural properties of Concrete", Supervisor by Dr. Awais Ahmed, Supervisor and Co-Supervisor Prof. Dr. Rawid Khan, Department of Civil Engineering.
- Engr. Khyber, "Seismic Performance of Confined and Semi-Confined Masonry Structures", Supervisor by Dr. Qazi Sami Ullah, and Co-Supervisor Prof. Dr. Khan Shahzada, Department of Civil Engineering.
- Engr. Ahmad Suboor, "Seismic Strengthening of Brick Masonry Structures with FRP Composites", Supervisor by Dr. Qazi Samiullah and Co-Supervisor Prof. Dr. Khan Shahzada , Department of Civil Engineering.
- Engr. Hayat Ullah, "Experimental analysis of bridge pier scours reduction measuring depth using various geometrical surface attachments on circular pier in granular bed", Supervisor by Dr. Mujahid Khan, Department of Civil Engineering.
- Engr. Haleem Ullah Khan, "Predictive Modeling of Strength Characteristics of Stabilized Medium Expansive Soil", Supervisor by Prof. Dr. Irshad Ahmad, Department of Civil Engineering.
- Engr. Muhammad Sumair, "Landslide Susceptibility Mapping of Dera Ismail Khan, KPK Province, Pakistan", Supervisor by Prof. Dr. Irshad Ahmad and Co-Supervisor Dr. Irfan Jamil, Department of Civil Engineering.

- Engr. Noor Aqsa, “Signal Optimization at Warsak Intersection”, Supervisor by Dr. Muhammad Tariq Khan, Department of Civil Engineering.
- Engr. Syed Nauman Shah, “Development of a climate data integrated Artificial Neural Network (ANN) model for flood forecasting of Kabul River”, Supervisor by Dr. Asif Khan, Department of Civil Engineering.
- Engr. Salah ud Din, “Development of climate data integrated machine learning model for extreme event prediction in Kabul River”, Supervisor by Dr. Asif Khan, Department of Civil Engineering.
- Engr. Muhammad Imran, “Enhancing Mechanical Properties of Carbon Fiber Reinforced Pipes Using Carbon Nanotubes (CNTs)”, Supervisor by Prof. Dr. Hamid Ullah and Co-Supervisor Dr. Ahmad Nawaz, Department of Civil Engineering.
- Engr. Umair Ahmad Khan, “Optimal Design of CPU Cooler Using Computational Fluid Dynamics (CFD) and Finite Element Analysis (FEA)”, Supervisor by Prof. Dr. Hamid Ullah and Co-Supervisor Dr. Ahmad Nawaz, Department of Civil Engineering.
- Engr. Kaleem Afzal Khan, “Numerical Modelling of Hollow Reinforced Concrete Slabs (HRCS)”, Supervisor by Prof. Dr. Khan Shahzada and Co-Supervisor Dr. Akhtar Gul, Department of Civil Engineering.
- Engr. Umar Sharafat, “Effective Utilization of Mobile Computing for Resource Management and Quality Control in Road Construction Projects”, Prof. Dr. Khan Shahzada, Department of Civil Engineering.
- Engr. Bilal Yousaf, “Prediction of Bearing Pressure of Isolated Square Footing Resting on Layered Soil Using Artificial Neural Network (ANN) Techniques”, Prof. Dr. Irshad Ahmad and Co-Supervisor Dr. Beenish Jehan Khan, Department of Civil Engineering.
- Engr. Shakeel Ahmad, “Critical factors for the Successful usage of fly ash in Roads Sector, Analyzing Mega projects of Pakistan”, Supervisor by Dr. Mahmood Ahmad, Department of Civil Engineering.
- Engr. Junaid Asghar, “Mechanical Properties of Compressed Earthen Bricks Stabilized with Cement, Lime and Bentonite Clay”, Supervisor by Prof. Dr. Khan Shahzada, Department of Civil Engineering.
- Engr. Omair Shafiq, “Development of Fragility Curves for Single Span Small Bridges in Peshawar”, Supervisor by Dr. Syed Muhammad Ali, Department of Civil Engineering.
- Engr. Haris Arfidi, “Numerical Study of Unreinforced Brick Masonry Building against Blast Loading”, Supervisor by Prof. Dr. Amjad Naseer and co-supervisor Dr. Awais Ahmed, Department of Civil Engineering.
- Engr. Shafi Ullah Anjum, “Performance Evaluation of PVA Modified Compressed Stabilized Earth Bricks”, supervisor by Prof. Dr. Qaiser Ali and co- supervisor Engr. Fayyaz Ur Rehman, Department of Civil Engineering.
- Engr. Sami Ullah, “Study on the flexural behavior of a stressed RC member by adding section & reinforcement on compression side”, supervisor by Prof. Dr. Qaiser Ali and co-supervisor by Dr. Sikandar Sajid, Department of Civil Engineering.
- Engr. Hazrat Younus Sadiqzai, “Flood Risk Assessment using AreGIS and Remote Sensing: A Case Study on Shekhan, 8th Zone of Jalalabad, Afghanistan”, supervisor by Dr. Afed Ullah and co-supervisor Dr. Fayaz Ahmad Khan, Department of Civil Engineering.
- Engr. Hedayatullah, “Assessing the Effects of Climate and Land Use Change on Flood Recurrence in Kokcha River, Afghanistan”, supervisor by Dr. Asif Khan, Department of Civil Engineering.
- Engr. Muhammad Ishaq, “Impact of climate and land use change on the flows and sediment in the Kabul River Basin (KRB)”, supervisor by Dr. Asif Khan, Department of Civil Engineering.
- Engr. Hafsa Wadood, “Climate Inclusive Flood Inundation Modeling Using HEC-RAS (A case study of Panjkora River)”, supervisor by Dr. Mujahid Khan, Department of Civil Engineering.
- Engr. Shehla Nawaz, “Climate Inclusive Flood Inundation Modeling of River Chitral”, supervisor by Dr. Mujahid Khan, Department of Civil Engineering.
- Engr. Umar Zafar, “Estimation of CEC of fine grained soil using AI technique”, supervisor by Dr. Irfan Jamil, Department of Civil Engineering.
- Engr. Asad Jamil Khalil, “Simulation of Lateral Load Contribution of Raft in a Piled Raft System Using ABAQUS”,supervisor by Dr. Irfan Jamil, Department of Civil Engineering.
- Engr. Musa Jan, “Performance Evaluation of Compressed Stabilized Earth Brick Masonry”, supervisor by Prof. Dr. Amjad Naseer, Department of Civil Engineering.
- Engr. Umair Ahmad, “Use of Machine-Learning Paradigm to predict California Bearing Ratio of treated expansive soils”, supervisor by Dr. Irfan Jamil, Department of Civil Engineering.
- Engr. Mohammad Aizaz, “Experimental Study on the In-Plane Behavior of Mud Brick Walls Strengthened with Bamboo Strip Mesh and Dried Jute Thread”, supervisor by Prof. Dr. Khan Shahzada, Department of Civil Engineering.
- Engr. Muhammad Azeem, “A numerical study of the behavior of RC beam-column connections using Engineered Cementitious Concrete (ECC)”, supervisor by Dr. Muhammad Fahim, Department of Civil Engineering.
- ngr. Uzair Ali Khan, “Temporal Analysis of Forest Area in Abbottabad Region Using GEE and Radar Remote Sensing”, supervisor by Dr. Nasru Minallah, Department of Computer Systems Engineering.
- Eng. Maria Shoukat, “A Late Fusion Framework with Multiple Optimization Methods for Media Interestingness”, supervisor by Dr. Nasir Ahmed, Department of Computer Systems Engineering.
- Engr. Shahzad Khan, “Artificial Intelligence Based Seed Germination, Prediction and Quality Assessment”, supervisor by Dr. Nasru Minallah, Department of Computer Systems Engineering.
- Engr. Kaneez Fatima, “Brain Anomaly Detection Using Artificial Intelligence”, supervisor by Dr. Nasru Minallah, Department of Computer Systems Engineering.

- Engr. Sayed Shahid Hussain, "Artificial Intelligence Based Heart Sounds Classification", supervisor by Dr. Muniba Ashfaq, Supervisor and co-supervisor Dr. Shahzad Anwar, Department of Computer Systems Engineering.
- Eng. Umamah, "Artificial Intelligence Based Human Centric Framework for IoT System", supervisor by Dr. Salman Ahmed, Department of Computer Systems Engineering.
- Engr. Hidayat Ullah Abid, "Cyber Secured Monitoring System for Smart Cities based on IoT", supervisor by Dr. Salman Ahmed, Department of Computer Systems Engineering.
- Engr. Habib Ullah, "Implementation and characterization of multiple RO-based PUFs on FPGA", Supervisor by Dr. Bilal Habib, Department of Computer Systems Engineering.
- Engr. Omair Shafiq, "Development of Fragility Curves for Single Span Small Bridges in Peshawar", Supervisor by Dr. Syed Muhammad Ali, Department of Computer Systems Engineering.
- Engr. Haris Arfidi, "Numerical Study of Unreinforced Brick Masonry Building against Blast Loading", Supervisor by Prof. Dr. Amjad Naseer and co- supervisor Dr. Awais Ahmed, Department of Computer Systems Engineering.
- Engr. Momina Qureshi, "Artificial Intelligence Based Skin Lesion Analysis and Skin Cancer Detection", Dr. Athar Javed Sethi, Department of Computer Systems Engineering.
- Engr. Laila Amin, "Home Automation Using Internet of Things and Machine Learning", supervisor by Dr. Nasru Minallah, Department of Computer Systems Engineering.
- Engr. Jafar Ali Khan, "Multi-Channel Radio Over Fiber System Investigations for Capacity Enhancement", supervisor by Prof. Dr. Syed Waqar Shah and co-supervisor Dr. Akhtar Nawaz, Department of Electrical Engineering.
- Engr. Ishtiaque Ahmed, "Adaptive Multimedia Transmission using Dynamics Engineering", supervisor by Prof. Dr. Gulzar Ahmad and co- supervisor Dr. Nasru Minallah, Department of Electrical Engineering.
- Engr. Bilal Uz Zaman Khan, "High Frequency Trading Using FPGA", supervisor by Dr. Umar Sharif and co- supervisor Dr. Tariqullah Jan, Department of Electrical Engineering.
- Engr. Raidar Ali, "A hybrid sine cosine-particle swarm optimization algorithm for energy optimization on demand side (DS) of smart grid", supervisor by Prof. Dr. Syed Waqar Shah, Department of Electrical Engineering.
- Engr. Sikandar Zaman, "Maximum Power Point Tracking (MPPT) with P&O and ANN Algorithm of stand-alone PV Panel", supervisor by Dr. Muhammad Iftikhar Khan, Department of Electrical Engineering.
- Engr. Sajjad Ahmad, "An optimized Multilevel inverter topology with low switching losses and total harmonic distortion", supervisor by Dr. Majid Ashraf, Department of Electrical Engineering.
- Engr. Yousef Zahid, "A Novel Single-Switch Zeta Converter Design for Photovoltaic Application", supervisor by Prof. Dr. Amjad Ullah Khattak, and co-supervisor Muhammad Amir, Department of Electrical Engineering.
- Engr. Saifulllah Khan, "Design and Implementation of a Novel Single Switch Converter for Battery Charger Application", supervisor by Prof. Dr. Amjad Ullah Khattak, and co- supervisor Dr. Irfan Khattak, Department of Electrical Engineering.
- Engr. Zabih Ullah, "An Online Fault Categorization and Detection Monitoring System For PV SENSORS", supervisor by Dr. Muhammad Iftikhar Khan, Department of Electrical Engineering.
- Engr. Hussain Ahmad, "An intelligent model for detection of breast cancer based on convolutional neural network", supervisor by Prof. Dr. Syed Waqar Shah, Department of Electrical Engineering.
- Engr. Hajera Afshan Rahman, "Investigating Losses in Power System the Affects of Distributed Generation (On-Site Generation)", supervisor by Dr. Muhammad Irfan Khattak, Department of Electrical Engineering.
- Engr. Bahar Ali, "Detecting COVID-19 with Chest X-Ray Image using 50 Deep Learning Algorithms", supervisor by Dr. Tariqullah Jan, Department of Electrical Engineering.
- Engr. Sajeed Ullah, "An intelligent Hybrid Approach for Brain Tumor Detection", supervisor by Dr. Irfan Khattak and co-supervisor by Dr. Shahzad Anwar, Department of Electrical Engineering.
- Engr. Arsalan Ali Mujtaba, "Design and Development of an Intelligent Non-Invasive Load Profiling System", supervisor by Prof. Dr. Gul Muhammad, Department of Electrical Engineering.
- Engr. Suman-ul- Haq, "Improving Analyzing PV Module Efficiency through a Feasible Reflector and Cleaning System", supervisor by Dr. Muhammad Irfan Khattak and co-supervisor by Dr. Faheem Ali, Department of Electrical Engineering.
- Engr. Mati ur Rahman Khan, "Design and Analysis of Frequency Reconfigurable Antenna for 5G Networks", supervisor by Prof. Dr. Gulzar Ahmad, Department of Electrical Engineering.
- Engr. Ihsan Malik, "Internet of things (IoT) Based Health Monitoring and Facility System for Remote Home", Supervisor by Prof. Dr. Amjadullah Khattak , Department of Electrical Engineering.
- Engr. Muhammad Sartaj, "Designing an AI-based greenhouse plant monitoring system to detect and classify plant diseases from leaf images", Supervisor by Prof. Dr. Gul Muhammad Khan, Department of Electrical Engineering.
- Engr. Saliha Kalim, "Electronic Voting System based on Homomorphic Encryption", Supervisor by Prof. Dr. Amjadullah Khattak , Department of Electrical Engineering.
- Engr. Muhammad Owais Khan, "Risk Analysis of Construction Industry using FAHP Method in Khyber Pakhtunkhwa", Supervisor by Dr. Rehman Akhtar, Department of Industrial Engineering.
- Engr. Muhammad Nauman, "Factor Identification using Experimental Design

Approach in Anwar Khawaja Industries (Pvt.) Limited Sialkot", Supervisor by Prof. Dr. Misbah Ullah, Department of Industrial Engineering.

- Engr. Aiman Abbas, "Deploying Multivariate Analysis to Reduce Patient Waiting Time at Northwest General Hospital and Naseer Teaching Hospital Peshawar", Supervisor by Dr. Rehman Akhtar, Department of Industrial Engineering.
- Engr. Rehman Ullah, "The impact of systematic and non-systematic risk on stock return (oil and gas industry)", Supervisor by Dr. Rehman Akhtar, Department of Industrial Engineering.
- Engr. Syed Salman Ahmed, "Optimizing the quality of local steel industry using ANOVA", Supervisor by Dr. Rehman Akhtar, Department of Industrial Engineering.
- Engr. Tayeed Wahab, "Production Improvement and Enhancement in a manufacturing unit by implementing overall equipment effectiveness", Supervisor by Prof. Dr. Mishab Ullah, and co-Supervisor Dr. Imran Ahmad, Department of Industrial Engineering.
- Engr. Maaz Zakir, "Process Improvements to Reduce Wastages by Applying Lean Tools in a Production Plant", Supervisor by Dr. Tufail Habib, Department of Industrial Engineering.
- Engr. Waqar Ahmad, "Device Simulation and Optimization of Non-Toxic Pervoskite Solar Cells using SCAPSID", Supervisor by Dr. Muhammad Noman, Department of Industrial Engineering.
- Engr. Syeda Iqra Musfarat, "A Moderated Mediation Analysis on Occupational Stress, Organizational Culture and Turnover Intention on Employees of Air Blue Airline at Peshawar Airport "Supervisor by Dr. Rehman Akhtar, Department of Industrial Engineering.
- Engr. Muhammad Usman Badshah, "Identifying Critical Factors for Stakeholder Management in Warsak Dam Second Rehabilitation Project", Supervisor by Dr. Rehman Akhtar, Department of Industrial Engineering.
- Engr. Waqar Ahmad, "Case study of 132KV Grid Station, Voltage Profile Improvement and Power System up Gradation using ETAP", Supervisor by Prof. Dr. Amjad Ullah, Department of Industrial Engineering.
- Engr. Sajid Ahmad, "Identification and Evaluation of Risk Assessment in Steel Manufacturing Industry", Supervisor by Dr. Rehman Akhtar, Department of Industrial Engineering.
- Engr. Mustafa Ahmad, "Improvement of Quality Defects and Wastage Control in Mohsin Industry Peshawar Through Six Sigma", Supervisor by Engr. Dr. Rehman Akhtar, Department of Industrial Engineering.
- Engr. Sheharyar Mumtaz, "Integration Analysis of Climate Control and Air Conditioning System of Automobiles", Supervisor by Engr. Dr. Tufail Habib, Department of Industrial Engineering.
- Engr. Tanveer Alam, "Productivity Improvement by Applying a Lean Management Approach in a Home Appliance Industry", Supervisor by Dr. Tufail Habib, Department of Industrial Engineering.
- Engr. Zeeshan Ahmad, "Efficient Computation of Correlated Ordinates from Multivariate Probability Distributions", Supervisor by Dr. Rehman Akhtar and co-supervisor Prof. Dr. Salim Ur Rehman, Department of Industrial Engineering.
- Engr. Muhammad Hamza, "Material characterization and Qualitative Investigation for Comparative Analysis of Polyvinyl Chloride (PVC) Wall Panel", supervisor by Prof. Dr. Abdul Shakoor, Department of Mechanical Engineering.
- Engr. Fahad Ullah Zafar, Thermal Modeling and Analysis of Photovoltaic (PV) Modules supervisor by Dr. Muhammad Ali Kamran, Department of Mechanical Engineering.
- Engr. Muhammad Idress," To Investigate the Effect of Grade-53 Cement Blain on the Efficiency of Circular Vibrating Screen", supervisor by Prof. Dr. Hamid Ullah, Department of Mechanical Engineering.
- Engr. Saqib Nasim, "Modelling, Simulations and Analysis of Robotic Arm Using MSC ADAMS", supervisor by Prof. Dr. Afzal Khan, Department of Mechanical Engineering.
- Engr. Arsalan, "Effect of Fly Ash and Silica Particles on Mechanical and thermal properties of A356 Alloy", supervisor by Dr. Feroz Shah, Department of Mechanical Engineering.
- Engr. Khushal Muhammad Khan, "Investigating 3d scanning techniques for reverse engineering", supervisor by Prof. Dr. Sahar Noor, and Co-Supervisor Prof. Dr. Afzal Khan, Department of Mechanical Engineering.
- Engr. Haider Ali, "Computational Analysis of Fluid and Calculi in the Renal Ureter", supervisor by Dr. Kareem Akhtar, Department of Mechanical Engineering.
- Engr. Muhammad Asif, "Identification of Cracks in PV Modules with Ultra-violet, Electroluminescence and Infra-red Imaging", supervisor by Dr. Muhammad Ali Kamran, Department of Mechanical Engineering.
- Engr. Izaz Ahmad Khan, "Development and Characterizations of Silica Reinforced in Polytetrafluoroethylene Composite for Printed Circuit Boards Applications", supervisor by Prof. Dr. Hamid Ullah and co- supervisor Dr. Ahmad Nawaz, Department of Mechanical Engineering.
- Engr. Sannan Aziz Experimental and Numerical Study on the Rise of Bubbles in a Vertical Water Channel supervisor by Dr. Kareem Akhtar, Department of Mechanical Engineering.
- Engr. Khurshid Alam Khan, "Effect of heat treatment on the mechanical properties of aluminum foam with different pores per inch (ppi)", Supervisor by Dr. Abdul Shakoor, Department of Mechanical Engineering.
- Engr. Muhammad Rafiq, "Breast Cancer Detection using Deep Learning", Supervisor by Prof. Dr. Muhammad Tahir Khan, Co-Supervisor Dr. Shahzad Anwar, Department of Mechatronics Engineering.
- Engr. Hamza Ahmad Khan, "Realizing the Alarm Flexibility Concept in a Manufacturing Process", Supervisor by Dr. Zubair Ahmad Khan, Department of Mechatronics Engineering.

- Engr. Muhammad Bilal, "An intelligent Approach to Mitigate the Effect of Dynamic Movements on FMG technique for Upper Limb Prosthesis", Supervisor by Dr. Izhar ul Haq, Department of Mechatronics Engineering.
- Engr. Muhammad Asad Junaid, "A Detective Binary Mask Generative Adversarial Network for Chest Disease Detection", Supervisor by Dr. Shahzad Anwar, Department of Mechatronics Engineering.
- Engr. Faiq Shah, "Design and Development of High speed image system for seed detection and counting", Supervisor by Dr. Kamran Shah, Department of Mechatronics Engineering.
- Engr. Faheem-ul-Haq, "Mathematical Modelling and Intelligent Control based Damping System of Smart no-till Seed Planter's Assembly" Supervisor by Prof. Dr. Muhammad Tahir Khan, and co- Supervisor by Dr. Kamran Shah, Department of Mechatronics Engineering.
- Engr. Tariq Kamal, "Design and Implementation of Water Quality Monitoring and Evaluation System to Predict Water Pollution", Supervisor by Dr. Kamran Shah, Department of Mechatronics Engineering.
- Engr. Muhammad Awais Khan, "Real-Time Implementation of Machine Learning Based Intent Recognition for Semi-Active Prosthetic Knee", Supervisor by Dr. Izhar ul Haq, Department of Mechatronics Engineering.
- Engr. Haider Ali, "Design and Fabrication of Petal Drying System", Supervisor by Dr. Izhar ul Haq, Department of Mechatronics Engineering.
- Engr. Basim Ullah, "Design and Development of Multi-Crop Seed Sensing Module for Precision Agriculture", Supervisor by Dr. Izhar Ul Haq, Department of Mechatronics Engineering.
- Engr. Yasir Nawaz, "Development and implementation of an electric seed meter control in a precision planter", Supervisor by Dr. Izhar Ul Haq, Department of Mechatronics Engineering.
- Engr. Zeeshan Khan, "Machine learning based hybrid approach for heart disease Prediction", Supervisor by Dr. Shahzad Anwar and co-Supervisor by Dr. Gulbadan Sikander, Department of Mechatronics Engineering.
- Engr.Abdul Moaiz, "An Intelligent Respiratory Track Auscultation Audio Signal Classification Techniques", Supervisor by Dr. Shahzad Anwar and co- Supervisor by Dr. Gulbadan Sikander, Department of Mechatronics Engineering.
- Engr. Aizaz Ali Khan, "Digital Twin-Based Predictive Maintenance of Induction Motors Using Machine Learning Approach", Supervisor by Dr. Shahzad Anwar and Co-Supervisor by Dr. Gulbadan Sikandar, Department of Mechatronics Engineering.
- Engr. Salman Jaleel, "An Investigation of Respiratory Diseases Caused in the Soapstone Mines Workers of Abbottabad Area, Pakistan",Supervisor by Dr. Salim Raza, Department of Mining Engineering.
- Engr. Asmat Ullah, "Evaluation of Bentonite Clay Deposit at Karak for use in Petroleum Drilling Mud", Supervisor by Dr. Salim Raza, Department of Mining Engineering.
- Yasir Ghazi, "Extraction of Placer Gold form Hund Area in District Swabi by Mercury Amalgamation Technique using Eco-friendly Approach", Supervisor by Dr. Ishaq Ahmad, Department of Mining Engineering.
- Engr. Aizaz Mohsin, "Energy Performance Analysis of the Educational Building in Pakistan", Supervisor by Dr. Adnan Daud Khan and Co-Supervisor Engr. Zafar Ullah, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Yasir Atlas Khan, "Study on indoor air quality measurement of educational buildings in Pakistan", Supervisor by Dr. Adnan Daud Khan and co-supervisor Engr. Zafar Ullah, Centre for Advanced Studies in Energy, USPACAS-E.
- gnr. Behlol Ahmad Khan, "A Comprehensive Device Modeling of Efficient and Stable Solid Sate Dye Sensitized Solar Cell", supervisor by Dr. Adnan Daud Khan, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Tayyab Sherwani, "Investigation the Effect of Using Various Chalcogenides and Kesterite as Electron and Hole Transport Layers on MAPBI3 Solar Cell", supervisor by Dr. Muhammad Noman and co-supervisor Engr. Atif Sardar, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Muhammd Aneeq "Numerical Modeling and Analysis of Kesterite Materials on Lead based Perovskite Materials", supervisor by Dr. Muhammad Noman and co-supervisor Engr. Atif Sardar, SPACAS-E.
- Engr. Attiq Ullah, "Feasibility and Techno-Economic Analysis of Residential Solar Water Heating System in Pakistan", supervisor by Dr. Arif Khattak, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Tayyab Sherwani, "Investigation the Effect of Using Various Chalcogenides and Kesterite as Electron and Hole Transport Layers on MAPBI3 Solar Cell", supervisor by Dr. Muhammad Noman, co-supervisor Engr. Atif Sardar, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Muhammd Aneeq, "Numerical Modeling and Analysis of Kesterite Materials on Lead based Perovskite Materials", Supervisor by Dr. Muhammad Noman and co-Supervisor Engr. Atif Sardar, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Attiq Ullah, "Feasibility and Techno-Economic Analysis of Residential Solar Water Heating System in Pakistan", Supervisor by Dr. Arif Khattak, Centre for Advanced Studies in Energy, USPACAS-E.
- Egnr. Tamour Shah, "Analysis of green energy curriculum and its impact on sustainable development in Pakistan", Supervisor by Dr. Zohaib Ur Rehman and co-Supervisor Engr. Noor Muhammad, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Waqas Ahmed, "Power Quality Improvement of Distributed System Integrated with Renewable Energy Sources", Supervisor by Dr. Adnan Daud Khan, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Liaqat Khan, "Analyzing the efficiency of CZTSSe solar cell with three different ETMs", Supervisor by Dr. Adnan Daud Khan, Centre for Advanced Studies in Energy, USPACAS-E.

- Engr. Raheel Ahmad, “Techno-Economic Analysis of Large-Scale Solar Power Plant in Energy”, Supervisor by Dr. Arif Khattak, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Muhammad Juanid Hassan, “Integration of Electric-Power Grid with Electric Vehicles (EV's) and Renewable Energy Sources (RE's)”, Supervisor by Dr. Arif Khattak, Centre for Advanced Studies in Energy, USPACAS-E.
- Engr. Muhammad Ahmad Ibraheem, “Techno-economic analysis of decentralized networks built on renewable energy and smart energy technologies”, Supervisor by Dr. Abdul Basit, Centre for Advanced Studies in Energy, USPACAS-E.
- Mr. Muhammad Sattar, “Pascal Polynomial Collocation Method for Inverse Heat Problem”, Supervisor by Prof. Dr. Siraj Ul Islam, and co- Supervisor Dr. Masood Ahmed, Department of Basic Sciences & Islamiat,
- Mr. Masood Shah, “Numerical Approximation of Volterra Integral Equation with Highly Oscillatory Bessel Kernel by Prony Laplace Transform Method”, Supervisor by Dr. Marjan Uddin, Department of Basic Sciences & Islamiat,
- Mr. Hamid Ali, “Hydrothermal Analysis of Squeezing Fluid Suspended by Hybrid Nanoparticles with Motile Gyrotactic Microorganisms”, Supervisor by Dr. Rehan Ali Shah, Department of Basic Sciences & Islamiat,
- Mr. Umar Saeed, “Higher-order compact scheme for the solution of fractional order Burger's equation”, Supervisor by Dr. Noor Badshah, Department of Basic Sciences & Islamiat,
- Mr. Syed Farooq Shah, “Diseases Classification from Chest Radiology using CNN”, Supervisor by Dr. Noor Badshah, Department of Basic Sciences & Islamiat,
- Mr. Amir Muhammad, “Numerical Solution of Burgers'-Type Equations Using Modified Variational Iterations Method”, Supervisor by Dr. Tufail Ahmad Khan, Department of Basic Sciences & Islamiat,
- Mr. Faisal Ahmad, “Solution of High Order Dispersive Fractional Order Korteweg-De Vries Equations Using Variational Iteration Laplace Transform Method”, Supervisor by Prof. Dr. Marjan Uddin, Department of Basic Sciences & Islamiat,
- Mr. Muhammad Zohaib, “Heat and Mass Transfer of Bi-Convection MHD Carreau Fluid Flow over a Stretching Surface with Radiative Heat Flux”, Supervisor by Dr. Rehan Ali Shah, Department of Basic Sciences & Islamiat,
- Mr. Waqar Amin, “Variational Iteration Method with an Auxiliary Parameter for some Kinds of Partial Differential Equations”, Supervisor by Dr. Tufail Ahmad Khan, Department of Basic Sciences & Islamiat,
- Mr. Syed Kashif Badshah, “Classification of Medical Image through Convolutional Neural Network Modification Method”, Supervisor by Dr. Noor Badshah, Department of Basic Sciences & Islamiat, Department of Basic Sciences & Islamiat,
- Mr. Noor Nabi,Shah “A Least Square-Laplace Transform Method for Solving of Volterra Integral Equation with Highly Oscillatory Bessel Kernels”, Supervisor by Dr. Marjan Uddin, Department of Basic Sciences & Islamiat.

Innovation & Commercialization

CHAPTER 4

Office of Research, Innovation and Commercialization (ORIC)

ORIC, UET Peshawar is focused on transforming pure knowledge into products and services for community welfare. Its main role is to strengthen University's research and knowledge creation process by providing strategic and operational support through promoting entrepreneurship, technology-transfer and commercialization activities to energize local and national economy.

It also aims at strengthening University-Industry relationships by enhancing cross-cutting and multi-disciplinary research initiatives for the up-gradation of local and national industries. In general it aspires to achieve sustainable development by translation of research into public benefit through ensuring research relevance in terms of social, economic and environmental aspects.

Self Evaluation Scores 2021-22

S.No.	Key Performance Indicator	Score Assigned	Score Obtained
1.	Human Resource and Operations	10	8.50
2.	Research Support & Management	45	28.50
3.	Capacity Building	30	16.00
4.	Commercialization of Research	15	11.00
	Total	**100**	**64.00**

Self Evaluation Scores 2022-23

S.No.	Key Performance Indicator	Score Assigned	Score Obtained
1.	Human Resource and Operations	10	7.50
2.	Research Support & Management	45	28.50
3.	Capacity Building	30	16.00
4.	Commercialization of Research	15	13.00
	Total	**100**	**65.00**

Faculty Research Proposals approved for funding 2021-23

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
1.	NRPU	Saeed Gul	Enviromental Engineering	Synthesis and characterization of low cost hydrophobic geopolymeric membrane for water desalination	9,450,000
2.	NRPU	Yousaf Khan	Bio Medical	Covid-19 Vaccine Smart Preserving(VSP) Module	4,714,800
3.	NRPU	Khan Shahzada	Structural Engineering	Seismic Capacity Assessment of Textile Fiber Reinforced Infill Walls in Reinforced Concrete Structures: A Step Towards Affordable Housing.	6,103,500
4.	NRPU	Asmat Ullah	Enviromental Engineering	Produced Water Treatment using Artificial Intelligence based Renewable Energy Powered Membrane Technology: A Novel Approach	8,832,000
5.	NRPU	Abdul Basit	Energy	Substation power transformer risk management: Data Driven Predictive Maintenance	
6.	NRPU	Mohammad Ashraf	Structural Engineering	Seismic and thermal performance evaluation of energy efficient rate-trap bond masonry buildings	8,443,200
7.	NRPU	Iftikhar Ahmad	Software Engineering	Design and Development of Fake News Detection Framework for Urdu Language	5,161,200
8.	NRPU	Adnan Daud Khan	Energy	Third generation photovoltaics for building integration: A smart and sustainable energy solution	17,211,813
9.	NRPU	Nasru Minallah	Water Resoruces Management	Crop Evapotranspiration and Statistics Estimation and Deep Learning based Cropland field Parcels Detection using Remote Sensing	12,067,200
10.	NRPU	Rizwan Mahmood Gul	Material Engineering	Development and Characterization of Modified Ultra-high Molecular Weight Polyethylene for Use in Total Joint Replacement	11,642,400
11.	NRPU	Arbab Masood Ahmad	Bio Medical	Design and development of orthotic device for augmenting weakened neuro-muscular activity in upper and lower limbs of hemiplegic and paraplegics	7,788,000

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
12.	NRPU	Dr. Awais Ahmed	Material Engineering	Numerical modeling of damage in fiber reinforced composites	1,919,051
13.	NRPU	Dr. Sajjad Wali Khan	Structural Engineering	Performance of External Beam-column joint of Engineered cementitious composite under seismic type loading	5,623,967
14.	NRPU	Dr. Qazi Samiullah	Structural Engineering	Seismic Evaluation and Retrofitting Confined Brick Masonry Buildings with FRP	6,311,038
15.	NRPU	Dr. Irshad Ahmad	Civil Engineering	Development of Ground Motion Prediction Equation for Pakistan	3,366,797
16.	NRPU	Siraj Ul Islam	Mathematics	A Computational Meshless Procedure For Interface Problems	829,637
17.	HEC Pakistan	Dr. Gul Muhammad	Artificial intelligence	National Center for Artificial Intelligence	170,790,000
18.	HEC Pakistan	Dr. Tufail Ahmad	Robotics & Automation	National Center for Robotic and Automation	79,800,000
19.	HEC Pakistan	Dr. Sadeeq Jan & Dr. Salman Ahmad	Cyber Security	National Center for Cyber Security	40,670,000
20.	HEC Pakistan	Dr. Nasru Minallah	Data Analytics & Cloud Computing	National Center for Big Data and Cloud Computing	78,260,000
21.	NGIRI	Aemal khan khattak	Artificial Intelligence	Brain control home automation	13,369
22.	NGIRI	Farhan	Agriculture	Seed Planter	46,900
23.	NGIRI	Hasan Ali	Industrial Engineering	Assessment of on campus university hostel facilities from sustainability perspective	70,000
24.	NGIRI	Hasnain Sultan	Data Science	'Person Localization and Crowd Sourcing in Aerial Images'	80,000
25.	NGIRI	Hassaan Ahmad	ML & AI	A Machine Learning Powered Mobile App to find Missing People	57,372
26.	NGIRI	Himayat Jalil	Cyber Security	Cyber security IoT based lab automation	3,790

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
27.	NGIRI	Junaid Usman Shah	IoT	'Monitoring of Micro-Hydro Power Plant Using Internet-of-Things (IoT)'	80,000
28.	NGIRI	M Babar zaman	Energy	'Design and fabrication of plastic waste to fuel convertor'	35,000
29.	NGIRI	M. Asfandyar Khan	Bio Medical Engineering	CT Scan Analysis of Covid-19 Patients Using Machine Learning	70,000
30.	NGIRI	Mohammad usman	IoT	Design and Fabrication or simulation IOT based maximum solar power tracking system	80,000
31.	NGIRI	M. Afnan Khan	Robotics	'Autonomous Agricultural Field Robot'	80,000
32.	NGIRI	M. Hamza Khan	Computer System Engineering	'Streamlining the Construction Supply Chain by Integrating Electronic Commerce Principles'	70,000
33.	NGIRI	Muhammad Nouman	Bio Medical Engineering	Cardiac Arrhythmias detection Using Artificial Neural Network	80,000
34.	NGIRI	M. Owais Awan	Computer System Engineering	Innovating The Engineering Labs With Virtual Reality Supported Experimentations	80,000
35.	NGIRI	Muhammad Rehman	Bio Medical Engineering	'Sensor Based System for Gesture Recognition of Autism Disorder'	78,500
36.	NGIRI	Muhammad Shahab	Mechatronics	Automatic Three Dimension Bending Machine	25,530
37.	NGIRI	M. Umair Shahab	Energy & Environment	Power Generating and Waste water treatment plant	69,208
38.	NGIRI	Saad Sohail Burki	Agriculture	Smart Neck Cowlars For Dairy Cows	80,000
39.	NGIRI	Sajid Ali	Computer System Engineering	'Auction System App'	10,000
40.	NGIRI	Salman khan	Bio Medical Engineering	Auto Temperature & Mask Scan Entry System	80,000
41.	NGIRI	Sarmad Rafique	Bio Medical Engineering	Vision Aid Device for the Blind	48,860

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
42.	NRPU	Shehzad Ahmad Khan	Computer System Engineering	'Maternal Physical Activity Recognition System using Wearable Sensors '	79,650
43.	NRPU	Sikandar Waqar	Industrial Engineering	'Design and fabrication of industrial rig based on industry 4.0'	77,000
44.	NRPU	Touseef Ur Rehman	AI, IoT, Agriculture	Land cover classification, crop detection and its area and yield estimation using remote sensing	80,000
45.	Govt of KPK	Prof. Dr. Irshad Ahmad	Structural Engineering	Stability of Ramp walls reinforced with steel bars for Bridges in Pakistan	2,500,000
46.	British Council	Dr. Abdul Basit	Energy	Clean cooking and electricity through E-Stove in Pakistan	1,521,639.00
47.	British Council	Dr. Abdul Basit	Energy	Investigating factors affecting socio-technical integration of Micro-Hydro Power projects in Khyber Pakhtunkhwa, Pakistan	1,618,251.00
48.	PERIDOT	Dr. M. Salman Khan	AI, IoT, Health	Covid A radiologist-informed explainable and robust deep learning framework for COVID-19 and lung diseaeses rapid screening using chest X-ray images	5,219,192.50
49.	PSF Pak-China	Prof. Dr. Rizwan Gul	Material Engineering	Ultra-High Molecular Weight Polyethylene with Rigid Reinforced Structures for Use in Artificial Joint Application	3,780,000.00
50.	PSF Pak-China	Prof. Dr. Saeed Gul	Material Engineering	Design and structure modulation of nano-composite membrane with bi-interception layers for juice concentration	3,500,000.00
51.	PERIDOT	Dr. Safdar Nawaz	Artificial Intelligence	Machine-to-Machine Communication with Mobile Networks for economic Stability and Peace	20,579,496.00
52.	HEC, Pakistan	Prof Dr. M. Tahir Khan	Robotics	Advanced Robotics & Automation Lab affiliated with National Centre of Robotics & Automation (NCRA)	78,796,000
53.	HEC, Pakistan	Prof. Dr. Rizwan Mahmood Gul	Material Engineering	HEC Pak-Turk Researchers Mobility Grant Program (Phase II)	2,560,000

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
54.	NRPU	Nasru Minallah	Remote Sensing	Crop Evapotranspiration and Statistics Estimation and Deep Learning based Cropland field Parcels Detection using Remote Sensing	12,067,200
55.	NRPU	Dr. Irshad Ahmad	–	Development of Ground Motion Prediction Equation for Pakistan	3366797
56.	Higher Education Commission	Vice Chancellor UET Peshawar	Infrastructure	Strengthening of Lab Facilities in 05 Leading Engineering Universities	1191304000
57.	NRPU	Mohammad Ashraf	Civil Serving	Seismic and thermal performance evaluation of energy efficient rate-trap bond masonry buildings	1191304000
58.	NRPU	Abdul Basit	Energy Management	Substation power transformer risk management: Data Driven Predictive Maintenance	6780000
59.	NRPU	Dr. Awais Ahmed	–	Numerical modeling of damage in fiber reinforced composites	1919051
60.	NRPU	Yousaf Khan	Health	Covid-19 Vaccine Smart Preserving(VSP) Module	4714800
61.	NRPU	Asmat Ullah	Water Resource Management	Produced Water Treatment using Artificial Intelligence based Renewable Energy Powered Membrane Technology: A Novel Approach	8832000
62.	NRPU	Siraj Ul Islam	Applied Mathematics	A Computational Meshless Procedure For Interface Problems	829637
63.	National Center for Big Data and Cloud Computing	Dr. Nasru Minallah	Bid Data Cloud Computing	National Center for Big Data and Cloud Computing	78260000
64.	National Center for Cyber Security	Dr. Sadeeq Jan & Dr. Salman Ahmad	Cyber Security	National Center for Cyber Security	40670000

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
65.	NRPU	Arbab Masood Ahmad	Health	Design and development of orthotic device for augmenting weakened neuro-muscular activity in upper and lower limbs of hemiplegic and paraplegics	7788000
66.	NRPU	Khan Shahzada	Sustainable Infrastructure	Seismic Capacity Assessment of Textile Fiber Reinforced Infill Walls in Reinforced Concrete Structures: A Step Towards Affordable Housing.	6103500
67.	NRPU	Dr. Sajjad Wali Khan	Civil Serving	Performance of External Beam-column joint of Engineered cementitious composite under seismic type loading	5623967
68.	NRPU	Adnan Daud Khan	Energy	“Third generation photovoltaics for building integration: A smart and sustainable energy solution "	17211813
69.	National Center for Robotic and Automation	Dr. Tahir Khan	Robotics	National Center for Robotic and Automation	79800000
70.	National Center for Robotic and Automation	Saeed Gul	Chemical Engineering	Synthesis and characterization of low cost hydrophobic geopolymeric membrane for water desalination	9450000
71.	National Center for Robotic and Automation	Iftikhar Ahmad	Digital Media	Design and Development of Fake News Detection Framework for Urdu Language	5161200
72.	National Center for Artificial Intelligence	Dr. Gul Muhammad	Artificial Intelligence	National Center for Artificial Intelligence	170790000
73.	NRPU	Dr. Qazi Samiullah	Civil Engineering	Seismic Evaluation and Retrofitting Confined Brick Masonry Buildings with FRP	170790000
74.	National Center for Artificial Intelligence	Dr. Gul Muhammad	Artificial Intelligence	National Center for Artificial Intelligence	170790000

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
75.	NRPU	Dr. Qazi Samiullah	Civil Engineering	Seismic Evaluation and Retrofitting Confined Brick Masonry Buildings with FRP	6311038
76.	NRPU	Rizwan Mahmood Gul	Mechanical Engineering	Development and Characterization of Modified Ultra-high Molecular Weight Polyethylene for Use in Total Joint Replacement	11642400
77.	SRGP	Dr. Zeeshan Shafiq	IoT & AI	Low-Cost Muloti-Robot Network for security, cleaning Vacuming and mopping using internet of things (IoT) and Artificial Intelligence (AI) for Hygienic and COVID-19 free indoor Environment	1000000
78.	Dr. A. Q. Khan Research Laboratories Research Grant	Dr. Abdul Basit	Energy	Design and Development of High Voltage Power Supply	300000
79.	Dr. A. Q. Khan Research Laboratories Research Grant	Dr. Ali Kamran	Mechanical Engineering	Creep Behavior of Composite Materials for Life Estimates	500000
80.	Dr. A. Q. Khan Research Laboratories Research Grant	Dr. Abdul Shakoor	Mechanical Engineering	Hygrothermal Behavior of Polymer Composite Materials	500000
81.	GIZ Funding	Dr. Gul Muhammad	Energy Management	Digital Municipal Energy Management System	1254160000
82.	NGIRI	Engr. Yasir Malik	Artificial Intelligence	Artificial Intelligence Based Security Robot NIGIRI-2022-10980	74569
83.	NGIRI	Dr. Haider Zaman	Electrical Engineering	Cascade Inverters for High Power Switching Amplifier NGIRI-2022-13727	72000
84.	NGIRI	Engr. Muhammad Fayaz	Telecommunication	Design and Development of Antenna Array with Imporved Performance for 5G Smarphone Applications NGIRI-2022-13751	21720

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
85.	NIGIRI	Engr. Ishtiaq Ahmad	Renewable Engineering	Solar Tracking and Smart Cleaning System NGIRI-2022-11021	65000
86.	NIGIRI	Engr. Yaqoob Ali	Electrical Engineering	Hardware Implementation of Isolated Input Series Output Parallel (I-ISOP) DC-DC Converter NGIRI-2022-11032	45000
87.	NIGIRI	Dr. Ibrar Ullah	Energy Engineering	Solarization of Academic Block in UET Bannu Campus NGIRI-2022-11314	71000
88.	NIGIRI	Dr. Muhammad Omair	–	Design and Fabrication of Advance Forklift Truck Model for Material Handling System NGIRI-2022-11002	79180
89.	NIGIRI	Dr. Bilal Habib	IoT	IoT Based E-Bike with Intelligent Traction Drive System with Longer Drive System with Longer Drive Range NGIRI-2022-11058	80000
90.	NIGIRI	Dr. Waqas Ahmed Imtiaz	Water Resources	Design and Fabrication of Self Sustained Water Pump NGIRI-2022-11260	78700
91.	NIGIRI	Dr. Irfan Ahmad	Telecommunication	Driver's Cell Phone Usage Monitoring in a Moving Vehicle NGIRI-2022-11400	78600
92.	NGIRI	Dr. Irfan Ahmad	Agricultural Engineering	Identification of Wheat Plant Desease Using Computer Vision Technique NGIRI-2022-11851	77000
93.	NGIRI	Dr. Waqas Ahmed Imtiaz	Architecture	Implementation of 5G Architecture Through Passive Optical Network NGIRI-2022-12392	62604
94.	NGIRI	Dr. Abid Iqbal	Health	Protable Ventilator Version Two NGIRI-2022-13628	70000
85.	NGIRI	Engr. Muhammad Waseem	Infrastructure	Plastic Roads NGIRI-2022-15058	77500

S.No.	Name of Agency	Principal Investigator	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
96.	NIGIRI	Engr. Muhammad Farooq	Deep Learning	Air Writing Detection & Recognition Using Deep Learning NGIRI-2022-11432	6225
97.	NIGIRI	Engr. Muhammad Farooq	Deep Learning	Intelligent Weighing Scale for Fruits and Vaggies Mart NGIRI-2022-11284	54540
98.	NIGIRI	Dr. Muhammad Akmal	Deep Learning	Smart Milk Packaging Machine NGIRI-2022-11511	80000
99.	NIGIRI	Engr. Wasim Habib	Deep Learning	Under Water Communication Through Visible Light NGIRI-2022-12644	14539
100.	NIGIRI	Engr. Qazi Salman Khalid	Deep Learning	Implementation of Talk Time to Improve workflow in Small and Medium Industires NGIRI-2022-13052	10000
101.	NIGIRI	Dr. Kamran Shah	Deep Learning	Design and Fabrication of 3D Biprinter NGIRI-2022-13255	69433
102.	NIGIRI	Dr. Bilal Habib	Deep Learning	Iot Based Smart Autonomous Robot for Disinfection Applications NGIRI-2022-13482	80000
103.	NGIRI	Mr. Rehmat Ullah	Deep Learning	Face Mask based Automatic Door System to Ensure COVID-19 Precautionary Measures	75500

Consultancy contracts executed through ORIC with Industry, Commerce & Government 2021-23

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
1.	Structural Health Assessment of the Existing OPD Building at Lady Reading Hospital (LRH) Peshawar	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Lady Reading Hospital (LRH)	1,850,000	2021-22
2.	Detail Planning & Designing of Housing Scheme at Dangram District Swat (Additional Scope of work)	Chairman Department of Civil Engineering UET Peshawar	Planning & Designing of Housing Scheme at Dagram District Swat	1,300,000	2021-22
	Master Planing, Architectural and Structural Design of Swat University of Engineering & Technology	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	SWAT University of Engineering & Technology	1,452,355	2021-22
3.	Structural Architectural Design for the scheme SH: Construction of Multipurpose Hall at MDA Ground township Mansehra District KPK	Chairman Department of Civil Engineering UET Peshawar	Mansehra Development Authority MDA Mansehra KPK	600,000	2021-22
4.	Design of the Scheme "ADP No. 425/190349 Reconstruction of Dilapidated/Dangerous Primary, Middle & High Secondary School on Need Basis in Khyber Pakhtunkhwa SH: Jabba	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Reconstruction of Dilapidated/Dangerous Primary, Middle & High Secondary School on Need Basis in Khyber Pakhtunkhwa SH: Jabba	450,000	2021-22
5.	Assessments of Fire Damaged Building for Structural Sustainaility, Torched by Local in a MOB	Chairman Department of Civil Engineering UET Peshawar	Fire Damaged Building for Structural Sustainaility, Torched by Local in a MOB	600,000	2021-22

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
6.	Request for Designing of Developmental scheme under ADP: 1298/180579, " District Uplift and Beautification scheme" in Timergara District Dir Lower	Chairman Department of Civil Engineering UET Peshawar	District Uplift and Beautification scheme" in Timergara District Dir Lower	1,000,000	2021-22
7.	Visual Inspection Report for Ghafoor Market Charsadda	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Ghafoor Market Charsadda	150,000	2021-22
8.	Construction of Technicaly & Economically Feasible 60 Kms Road in Kohat Division, ADP No. 1703/200218	Prof. Dr. Bashir Alam Director P&D UET Peshawar	Kohat Division	900,000	2021-22
9.	Structural Design Vetting of RCC Bridge at Alam Gouder Kalanga AKA Khel in Bara Bypass Road, District Khyber	Chairman Department of Civil Engineering UET Peshawar	Alam Gouder Kalanga AKA Khel in Bara Bypass Road, District Khyber	1,500,000	2021-22
10	Detail Design & Layout Plan of "Establishment of Emergency Services (Rescue 1122) in Torghar	Chairman Department of Civil Engineering UET Peshawar	Rescue 1122 Torghar	400,000	2021-22
11.	Structural design and Investigation for the work upgradation of existing 09 Nursing Schools of province to ur.sing colleges (HMC,LRH,KTI Peshawar Kohat,Bannu, DI Khan, Mardan, Swat, Abbotabad) (Phase I &I I) SH: Abbotabad	Chairman Department of Civil Engineering UET Peshawar	upgradation of existing 09 Nursing Schools of province to ur.sing colleges (HMC,LRH,KTI Peshawar Kohat,Bannu, DI Khan, Mardan, Swat, Abbotabad) (Phase I &I I) SH: Abbotabad	470,000	2021-22

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
12.	Calibration of open channel ultrasonic flow meter installed at power channel of ranolia power plant, located at dubair Kohistan	Chairman Department of Civil Engineering UET Peshawar	Open channel ultrasonic flow meter installed at power channel of ranolia power plant, located at dubair Kohistan	50,000	2021-22
13.	Structural/ Architectural & Electrification plumbing design for the scheme "ADP No. 88/170168 (2017-18) - Construction of damaged DC's main office mansehra civil work internal water supply/sanitary installation, internal gas work and internal electrification	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	DC's main office mansehra civil work internal water supply/sanitary installation, internal gas work and internal electrification	1,500,000	2021-22
14.	Design vetting of 01-KM Torghar Bridge over river indus distric Torghar	Director Earthquake Engineering Center UET Peshawar	District Torghar	10,800,000	2021-22
15.	Structural / Architectural & Master planning of SUET	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Structural / Architectural & Master planning of SUET	2,134,000	2021-22
16	Project implemintation Unit, Gomal Zan Dam, Command area development project, Dera ismail Khan Request for concrete corp testing of road culvert package No. 21	Chairman Department of Civil Engineering UET Peshawar	Gomal Zan Dam, Command area development project, Dera ismail Khan Request for concrete corp testing of road culvert package No. 21	114,500	2021-22

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
17.	Bim Implementation Project	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	BIM	4,081,120	2021-22
18.	Provision of Technical Assistance U/S of NAO, 1999	Chairman Department of Civil Engineering UET Peshawar	Irrigation Department	500,000	2021-22
19.	Establishment of 30 Boys Secondary Schools in KPK SH: Goss Kind Gadroon PK-44 Slpe stability certificate	Chairman Department of Civil Engineering UET Peshawar	30 Boys Secondary Schools in KPK SH: Ghss Kund Gadoon PK-44 Slpe stability certificate	50,000	2021-22
20.	Geotechincal Investigation for "Upgradation of Existing Nursing Schools" District Abbotabad	Chairman Department of Civil Engineering UET Peshawar	Upgradation of Existing Nursing Schools" District Abbotabad	250,000	2021-22
21.	Construction of Technically & Economically feasible 60 km Road in Kohat Division, ADP No. 1703/200248.	Prof. Dr. Bashir Alam Director P&D UET Peshawar	Kohat Division	500,000	2021-22
22.	Establishment of 30 Boys Secondary Schools in KPK SH: Ghss Kund Gadoon PK-44 Slpe stability certificate	Chairman Department of Civil Engineering UET Peshawar	30 Boys Secondary Schools in KPK SH: Ghss Kund Gadoon PK-44 Slpe stability certificate	1,100,000	2021-22
23	Expansion / Upgradation of Khyber Girls Medical College, Peshawar for Additional Students of Merged District (AIP)	Chairman Department of Civil Engineering UET Peshawar	Khyber Girls Medical College, Peshawar for Additional Students of Merged District (AIP)	810,000	2021-22

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
24.	Consultancy Services for "Geotechnical & Structural Evaluation of Recently constucted building in Elite Police Training center Hakeemabad Nowshear	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Elite Police Training center Hakeemabad Nowshear	2,105,000	2021-22
25.	Consultancy services for Expansion/Upgradation of Khyber Girls Medical College, Peshawar for additional Students for Merged Districts (AIP) ADP No. 775/200096(2020-22)	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Khyber Girls Medical College, Peshawar for additional Students for Merged Districts (AIP) ADP No. 775/200096(2020-22)	810,000	2021-22
26.	Bim Implementation Project	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	BIM	2,332,070	2021-22
27.	Consultancy Services for "Revised Cost Soil/Geotechnical Investigation for "Detailed design and construction service	Chairman Department of Civil Engineering UET Peshawar	Detailed design and construction service	600,000	2021-22
28.	Consultancy Services for " Reconstruction of Category-D Hospital Ghazi to Category-C Hospital District Haripur	Chairman Department of Civil Engineering UET Peshawar	Reconstruction of Category-D Hospital Ghazi to Category-C Hospital District Haripur	3,025,000	2021-22
29	Cosultancy Services for Assessment of Bridge at Umar Payan Road Peshawar	Chairman Department of Civil Engineering UET Peshawar	C&W Department	703,500	2021-22

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
30.	Consultancy Services for "Assessment of Bridge at Main Gujjar Road Jalabela (Leads to District Charsadda)"	Chairman Department of Civil Engineering UET Peshawar	C&W Department	1,610,100	2021-22
31.	Consultancy Services for "Health Assessment of Old Judicial complex at Khyber Road Peshawar	Chairman Department of Civil Engineering UET Peshawar	C&W Department	1,623,000	2021-22
32.	Consultancy Services for "Soil Investigation / Structure Design: ADP No. 2023/180552 & ADP No 929/200138"	Chairman Department of Civil Engineering UET Peshawar	C&W Department	1,710,000	2021-22
33.	Consultancy Services for "Construction and Establishment of Transport Complex at GT Road Peshawar ADP No. 2144/200077(2021-22)	Chairman Department of Civil Engineering UET Peshawar	Allied Engineering Consultant (Pvt)	43,350	2021-22
34.	Reconstruction of womens and children Hospital & Up-gradation of Category -D Hospital Ghazi to Category-C Hospital District Haripur	Chairman Department of Civil Engineering UET Peshawar	Women and children Hospital & Up-gradation of Category -D Hospital Ghazi to Category-C Hospital District Haripur	3,025,000	2021-22
35.	Soil Investigation / Structural Design: ADP No. 2023/180552 & ADP No. 929/200138"	Chairman Department of Civil Engineering UET Peshawar	Soil Investigation / Structural Design: ADP No. 2023/180552 & ADP No. 929/200138"	1,710,000	2021-22

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
36.	Structural Health Assessment (SHA) for Existing ENT Building at Lady Reading Hospital, Peshawar	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Lady Reading Hospital (LRH)	1,000,000	2021-22
37.	Construction of Rescue Station (Rescue-1122) at Bankad in District Lower Kohistan, ADP No. 1317/190363 (2021-22)	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	C&W Division Kohistan	300,000	2021-22
38.	Revised cost of soil / geotechnical investigation for "Detailed design and construction services at University of Agricultural Swat"	Chairman Department of Civil Engineering UET Peshawar	University of Agricultural Swat	600,000	2021-22
39.	Consultancy services for "Site Selection for Govt Girls Degree College Gul Bandi District Buner	Chairman Department of Civil Engineering UET Peshawar	C&W Division Buner	150,000	2021-22
40.	1. Construction of Rescu Station (Rescue-11) at Bhankad in district lower Kohistan ADP No. 1317/190363 (2021-22) 2. Construction of Rescue station (Rescue-11) at Kollai Pallas in District Lower Kohistan ADP No. 1327/200101 (2021-22)	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	C&W Division Kohistan Lower	400,000	2021-22
41.	Construction of Rescue Station (Rescue-1122) at Bankad in District Lower Kohistan, ADP No. 1317/190363 (2021-22)	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Rescue Station (Rescue-1122) at Bankad in District Lower Kohistan, ADP No. 1317/190363 (2021-22)	300,000	2021-22

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
42.	Structural Health Assessment (SHA) for Existing ENT Building at Lady Reading Hospital, Peshawar (1st Intallment)	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	Lady Reading Hospital, Peshawar	500,000	2021-22
43.	Submission of Consultancy Cheque for Phase 2 awarded to USPCAS-E UET Peshawar for Solarazation of Colleges in NMDs, KP	Dr. Adnan Daud Khan Director USPCAS-E UET Peshawar	HED Govt of KPK	20,546,000	2021-22
44.	Bim Implementation Project	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	BIM	2,609,003	2021-22
45.	Construction of Multistory building (3 basement & 18 Floors) on Khasra No. 893/845, 894/845 Moza Malakadheer (Gulabad) Main University Road, District Peshawar	Chairman Department of Civil Engineering UET Peshawar	Saif Associates	200,000	2021-22
46.	Construction of Multistory building (3 basement & 18 Floors) on Khasra No. 893/845, 894/845 Moza Malakadheer (Gulabad) Main University Road, District Peshawar	Chairman Department of Civil Engineering UET Peshawar	Saif Associates	120,000	2021-22
47.	City University Peshawar	Chairman Department of Civil Engineering UET Peshawar	City University Peshawar	80,000	2021-22
48.	Bim Implementation Project	Dean Faculty of Civil, Agri, Min Engineering UET Peshawar	BIM	306,084	2021-22

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
49.	Design of the Schemes GHS Attersheesha Mansehra GDC Balakot GGDC Mansehra	Prof. Dr. Qaiser Ali Deptt; of Civil Engineering UET Peshawar	GHS Attersheesha Manserha GDC Balakot GGDC Mansehra	2750000	6/30/2022 7/14/2022
50.	Technical Assessment of Old Residential Building of Local Government in District Malakand SH: Construction of Local Council Resource Center Batkhela District Malakand	Prof. Dr. Khan Shahzada Deptt; of Civil Engineering UET Peshawar	District Government District Malakand	210000	6/15/2022 6/15/2022
51.	GEOTECHNICAL & STRUCTURE Evaluation of Recently Constructed Building in ELITE Force Police Training Center, Hakeem abad Nowshera	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Elite Force Police Training Center	2105000	7/14/2022 7/18/2022
52.	BS Block GOCT Post Graduate College Khanpur Haripur	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	GOCT Post Graduate College Haripur	430000	7/14/2022 7/18/2022
53	Health Assessment of Old Judicial Complex Khyber Road Peshawar	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Old Judicial Complex	1623000	7/14/2022 7/18/2022
54.	Commercial Plaza SIDB Kohat Road Peshawar	Prof. Dr. Qaiser Ali Deptt; of Civil Engineering UET Peshawar	Commercial Plaza SIDB Kohat Road Peshawar	1000000	8/4/2022 8/5/2022
55.	SITE SELECTION FOR GOVT Girls Degree College Gubandi District Buner	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	GOVT Girls Degree College Gubandi District Buner	675600	8/11/2022 8/19/2022

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
56.	PITE Testing Daraj Towers Islamabad	Prof. Dr. Qaiser Ali Deptt; of Civil Engineering UET Peshawar	Daraj Towers Islamabad	200000	8/16/2022 8/17/2022
57.	Construction of a Suspension Bridge at Saidano Bella U/C Dubair Bala Kohistan Lower	Prof. Dr. Qaiser Ali Deptt; of Civil Engineering UET Peshawar	Saidano Bella U/C Dubair Bala Kohistan Lower	1600000	8/17/2022 8/23/2022
58.	Treatment of Cracks in infill wall at Judicial Complex Charsadda	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Judicial Complex Charsadda	200000	8/23/2022 9/7/2022
59.	City University Peshawar, GOVT Degree College Balakot, Govt Degree College No. 1 Mansehra, Govt Degree College Attersheesha Manshera, Construction of 3 Nos OHWT of 5000 Gallons at Shakrdara Kohat	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	City University Peshawar, GOVT Degree College Balakot etc.	235000	8/24/2022 9/7/2022
60.	Structure Assessment of Bridge at Urmar Payan Peshawar Road, District Peshawar	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Urmar Payan Peshawar Road, District Peshawar	703500	7/27/2022 9/9/2022
61.	Multi Story Commercial Plaza at Small Industrial Estate Peshawar, Construction of Category R Residency at Frontier Corps Peshawar, Allama Iqbal Bs Block at FG College Peshawar, Ancient House of Dalip Kumar And Raj Kapoor	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Small Industry Peshawar, FC Peshawar, FG College etc.	260000	8/29/2022 8/31/2022

S.No.	Title of Project	Name of PI with Department	Company	Contract Value (Rs.)	Project Timeines (Start and End)
62.	Construction of BS Block at Govt College of Management Science , District Haripur	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Govt College of Management Science , District Haripur	436500	8/15/2022 8/15/2022
63.	Determination of Actual and Current Capacity of Machines at SB Steel Metal and Pipe Mills, and Reliance Industries	Dr. M. Alam Zaib Khan Mechanical Engineering UET Peshawar	SB Steel Metal and Pipe Mills	700000	9/23/2022 9/23/2022
64.	Detailed Design of GHS Attarsheesha	Prof. Dr. Qaiser Ali Deptt; of Civil Engineering UET Peshawar	GHS Attarsheesha	300000	9/14/2022 9/19/2022
65.	Construction of BS Block at Govt College Sarai Saleh, Haripur	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Govt College Sarai Saleh, Haripur	570000	10/4/2022 10/10/2022
66.	Assessment of the Sher Shah House at Falze Haq College Mardan	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Falze Haq College Mardan	184300	10/4/2022 10/10/2022
67.	Assessment of the BRIDGE at MAI Gujjar Road Jala Bela District Charsadda	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	BRIDGE at MAI Gujjar Road Jala Bela District Charsadda	1610100	9/20/2022 10/10/2022
68.	Master Planning and Designing of KP S&T Museum at Mardan	Prof. Dr. Qaiser Ali Deptt; of Civil Engineering UET Peshawar	KP S&T Museum at Mardan	12136000	11/2/2022 11/2/2022
69.	Construction of Remaining works of Building & External Development at Garden Campus AWKUM	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Abdul Wali Khan University	172850	10/24/2022 10/26/2022
70.	Custom House Check Post D. I Khan, House of Raj Kapoor and Dalip Kumar at Gulbabad, Construction of Housing Scheme at Dangram Swat	Prof. Dr. Irshad Ahmad Deptt; of Civil Engineering UET Peshawar	Custom House D I Khan etc	150000	10/24/2022 10/26/2022

Trainings / Workshops / Seminars / Conferences Arranged on Research, Innovation, & Commercialization Ecosystem etc. for ORIC Personnel

S.No.	Title of Training	National / International	Date of Event
1.	One Day Seminar on Artificial Intelligence and Its Future	National	1/17/2023
2.	One day training on Effective Project Proposal Writing	National	12/14/2022
3.	Business Incubation Center Training Program	National	10/28/2022
4.	Outcome based Accreditation for Program evaluators	National	7/7/2022
5.	One Day Training on Organizing Academic Research Papers-Hands on Training on Referencing Tools	National	10/18/2022
6.	One Day Seminar on Sustainable Development Goals and the Role of Universities in Khyber Pakhtunkhwa	National	11/16/2022
7.	One day training on Effective Project Proposal Writing	National	12/14/2022

Quality Assurance

CHAPTER 5

A-ESTABLISHMENT OF QUALITY ENHANCEMENT CELL (QEC)

The vision of the Quality Enhancement Cell (QEC) is to improve the quality of all aspects of the university's functioning to support the university's vision of striving for the highest level of engineering excellence. In this regard, QEC is working closely with all stakeholders (internal and external) for the fulfilment of its stated mission. QEC helps in implementation of the standard guidelines by Higher Education Commission (HEC) as well as the guidelines issued by the accreditation councils from time to time. QEC plays a leading role in ensuring the implementation of quality standards in the university. Some of the functionalities of QEC includes coordinating online course teacher evaluation at the end of each semester for undergraduate and postgraduate programs, collecting the required data for quality assessment, and supporting the teaching departments in meeting the requirements of accreditation councils. QEC also ensures the implementation of anti-plagiarism policies.

Role of QEC

QEC works closely with teaching departments and faculty members to ensure that curricula are in accordance with HEC curriculum framework. QEC coordinates online evaluation of faculty members and courses by students at the end of every semester. QEC also works with departments and faculty members on the use of all 10 proformas that HEC has developed to improve the quality of Teaching, Learning and Research. In addition, QEC works on elimination of plagiarism through the use of Turnitin Software provided by the HEC. QEC has given Turnitin accounts to faculty members who have requested these accounts. QEC also assists teaching departments and faculty members in matter related to accreditation of programs through review of accreditation forms before submission to accreditation bodies and mock accreditation visits for the training at faculty members and staff.

Impact of Quality Assurance

1. QEC implements stringent policies at MS and PhD level to guard against plagiarism. All MSc and PhD thesis are checked by QEC for plagiarism. The degree can only beawarded to a student after QEC certifies that the thesis is not plagiarized. All papers that are submitted for publication in the University journal are also checked by QEC before they are sent to reviewers for review.

2. The student learning is assessed through HEC standardized feedback proformas, which includes Proforma 1 -“Student Course Evaluation Questionnaire”, Proforma 2 – “Faculty Course Review Report”, Proforma 3 –“Survey of Graduating Students” Proforma 4 –“Research Student Progress Review Form” and Proforma 10 – “Teacher Evaluation Form”. The evaluation process helps in strengthening the undergraduate and postgraduate programs.
3. QEC implements self-assessment process of HEC at program level. Program Teams and Assessment Teams have been constituted for all academic programs. The Program Team prepares Self-Assessment Report (SAR) and Assessment Team review the program in light of Self-Assessment Reports and prepare Assessment Team Reports (ATR) and Rubric Form. The SARs provides the department an opportunity to understand where the program stands in term of its mission, objectives, curriculum as well as the status of laboratories, curriculum and students satisfaction etc.
4. QEC organizes seminars/ meetings and workshops on different topics to create awareness among faculty members, staff and students.
5. QEC ensures implementation of all quality assurance criteria and standard guidelines that are received from various statutory bodies. The policies include;
   i. Plagiarism Policy
   ii. MSc/MS and PhD Criteria
   iii. Tenure Track System
   iv. Semester Guidelines
   v. SOPs for Teachers, Batch Advisor, Chairman, Semester Coordinator, CMS operator etc.

Quality Assurance

Internal Audit

The QEC acts as a focal point to ensure implementation of standard procedures of HEC. It works with Quality Assurance Agency (QAA) of HEC in the process of capacity building of academia, awareness workshop, training of teachers for preparing SARs of the various teaching programs. The Students, teachers and employees and other stakeholders' interest has been addressed through HEC standards surveys and feedback to monitor the academic quality. It is measured quantitatively on annual basis by means of a Score Card. In addition, Institutional Quality Assurance (IQA) holds periodic progressive review meetings and performs monitoring visits.

External Audit

External evaluation is carried through institutional level evaluation and program level accreditation. Institutional Level Evaluation includes Intituitional Performance Evaluation (IPE), Campus Reviews, and MS/M.Phil. /PhD. Program Review.

Institution Performance Evaluation (IPE)

QEC coordinates between HEC and UET Peshawar for evaluation. Evaluation is carried out by Institution Performa Evaluation (IPE) on the defined IPE standards. The institutional review process consists of university Portfolio Report (UPR) and a team visit which look at the university critically. The UPR needs to be prepared before the visit of the IPE review panel. The eleven standards of IPE are given below:

1. Standard: Mission and Goals
   Standard: Planning and Evaluation
   Standard: Organization and Governance
   Standard: Integrity
   Standard: Faculty
   Standard: Students
   Standard: Institutional Resources
   Standard: Academic Programs and Curricula
   Standard: Public Disclosure and Transparency
   Standard: Assessment & Quality Assurance
   Standard: Student Support Services

The following reviews and activities have been carried out in 2021-23:

1. Internal Performance Evaluation (IPE) conducted in June 2022 and June 2023.
2. MS/MPhil/PhD Review visit conducted in June 2022 and June 2023.
3. Statistical Data, submitted to Pakistan Bureau of Statistic in December, 2021.
4. HEC Revised Statistical Data (2021-23) submitted in January, 2022.
5. HEC Statistical Data (Affiliated Colleges 2018-19) submitted in January, 2022.
6. Teacher and Course Evaluation (Undergraduate & Postgraduate Programs) is conducted throughout the year.

MEMBERSHIP OF ASSOCIATIONS/NETWORKS

1.	International Network for Quality Assurance Agencies in Higher Education (INQAAHE)
2.	Pakistan Network of Quality Assurance in Higher Education (PNQAHE)

Membership of Director QECin Various Committees:

1. Director QEC is non-voting member of the following statutory bodies of UET Peshawar:
   a. Senate
   b. Syndicate
   c. Academic Council
2. Outcome Based Education Committee, UET Peshawar
3. Grievance Redressal Committee (GRC), UET Peshawar

A-ACCREDITATION OF PROGRAMS FROM RELEVANT COUNCILS

Accreditation / Re-accreditation of all undergraduate programs are to be processed by academic operation through QEC. The following bodies carries out the evaluation of the academic programs ofUET Peshawar:

1. Pakistan Engineering Council(PEC)
2. Pakistan Council of Architects and Town Planners(PCATP)
3. The National Computing Education Accreditation Council(NCEAC)

The following programs are accredited by the relevant accreditation council:

1. B.Sc. Industrial Engineering, Peshawar (PEC)
2. B.Sc. Computer System Engineering, Peshawar (PEC)
3. B.Sc. Chemical Engineering, Peshawar (PEC)
4. B.Sc. Agricultural Engineering, Peshawar (PEC)
5. B.Sc. Electrical Engineering, Peshawar (PEC)
6. B.Sc. Mining Engineering, Peshawar (PEC)
7. B.Sc. Mechanical Engineering, Peshawar (PEC)
8. B.Sc. Civil Engineering, Peshawar (PEC)
9. BS Computer Science, Peshawar(NCEAC)
10. BS Data Science, Peshawar (NCEAC)
11. B.Sc. Mechatronics Engineering, Peshawar (PEC)
12. B.Sc. Electrical Engineering, Kohat Campus (PEC)
13. B.Sc. Electrical Engineering, Bannu Campus (PEC)
14. B.Sc. Civil Engineering, Bannu Campus (PEC)
15. B.Sc. Electronics Engineering, Abbottabad Campus (PEC)
16. Bachelor of Architecture, Abbottabad Campus (PCATP)
17. B.Sc. Industrial Engineering, Jalozai Campus (PEC)
18. B.Sc. Mechanical Engineering, Jalozai Campus (PEC)
19. B.Sc. Electrical Engineering, Jalozai Campus (PEC)
20. B.Sc. Civil Engineering, Jalozai Campus (PEC)
21. B.Sc. Energy Engineering (PEC)

Workshop/Seminar Organized

S.No	Event	Date	Participation	Theme
1.	Workshop on Improving Quality of Teaching in Engineering Education	21st October 2021	Director QEC, Dean MCIE	Improving Quality of Teaching in Engineering Education
2.	Progress Review Meeting & Training of QECs	26th to 28th January, 2022	Director QEC, Deputy Director QEC	Progress Review Meeting & Training of QECs
3.	Consultative Workshops with QAA-UK & QAA-HEC,	16th February 2022	Director QEC, Deputy Director QEC, Senior Faculty Members	Consultative Workshops with QAA-UK & QAA-HEC, Pakistan for Reviewing & Revamping Quality Assurance in Pakistan
4.	Q-OBE Master Training	7th October 2022	Director QEC, Faculty Members from various departments	Training on the use of Q-OBE software
5.	IPE Compliance and Review Committee Meeting	28th November 2022	Pro VC, Dean MCIE, Treasurer, Sec. BOASAR, Addl. Registrar, Director QEC	IPE Compliance and Review Committee Meeting

University Professional Ranking

CHAPTER 6

The Quality Assurance Agency of HEC under the mandate to enhance the quality of education of all degree awarding institutions regularly assesses the quality of education through internal and external quality assurance mechanism. In this context, QAA performs regular visits to UET Peshawar for the assessment of academic degree programs at undergraduate and postgraduate levels. Moreover, keeping in line with PEC requirements, UET Peshawar has got accreditation of its major academic programs under the Washington Accord's Outcome Based Education system. As per requirements of PEC, engineers registered with PEC under OBE will be considered at par as world-class competent professionals at international level.

Times Higher Education (THE) Impact Ranking, 2022 & 2023

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.

UET Peshawar is ranked first in "Engineering category" in Khyber Pakhtunkhwa, fifth in Pakistan while third in "All Universities category" in Khyber Pakhtunkhwa. According to THE Impact Ranking 2023 UET Peshawar is ranked between 801-1000 globally while in Computer Science World Ranking, UET has been ranked 501-600.

TIMES HIGHER EDUCATION (THE)
World Ranking 2023

Times Higher Education (THE) Ranking 2023,UET Peshawar is ranked as follows:

Engineering Universities (KP)

Engineering Universities (Pak)

All Universities (KP)

801 - 1000
Engineering & Technology

501–600
Computer Science World Ranking

Faculty Development

CHAPTER 7

Foreign Faculty Development Program

UET's Human Resource Development program, started in 2004, is aimed to meet the growing need for professionals in state-of-the-art engineering disciplines. The following table shows the names of scholars are pursuing their Ph.D degree in word renowned universities.

S.No.	Scholar's Name	Department	Status	University
1.	Mubashir Hayat	Industrial Engineering	Course work in progress	Brandenburg University of Technology, Germany
2.	Wasi Ullah	Electrical Engineering	Course work in progress	University of Edinburgh, UK
3.	Majid Baseer	Industrial Engineering	Course work in progress	University of DE Lyon, France
4.	Unsia Habib1	Chemical Engineering	Course work in progress	University of Malaya, Malaysia (UTM)
5.	Sajid Khan	Petroleum & Gas Engineering	Course work in progress	University of Malaya, Malaysia (UTM)
6.	Mustafa Kamal	Chemical Engineering	Course work in progress	University of Malaya, Malaysia (UTM)
7.	Farhad Ali	Petroleum & Gas Engineering	Course work in progress	University of Alberta, Canada
8.	Wajid Ali	Petroleum & Gas Engineering	Course work in progress	University of Alberta, Canada
9.	Shakir Azim	Industrial Engineering	Course work in progress	Ghent University, Belgium
10.	Muhammad Qasim	Industrial Engineering	Course work in progress	University of Malaya, Malaysia (UTM)
11.	Hussan Khan	Civil Engineering	Course work in progress	University of Malaya, Malaysia (UTM)
12.	Azmat Ali Shah	Telecommunication Engineering	Course work in progress	Swinburne University of Technology, Australia

Ph.D. Defenses

Engr. M. Irshad Khan

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

Engr. Waheed Gul

Engr. Waheed Gul, Department of Mechatronics Engineering, UET Peshawar successfully defended his Ph.D thesis on September 6, 2021. Prof. Dr. Syed Riaz Akbar Shah, Department of Mechatronics Engineering was his Ph.D supervisor while Prof. Dr. Afzal Khan was his Co-Supervisor.

Engr. Noman Ullah

Engr. Noman Ullah, Department of Electrical Energy System Engineering, Center for Advanced Studies in Energy, UET Peshawar successfully defended his Ph.D thesis on September 27, 2021. Dr. Abdul Basit, Department of Electrical Energy System Engineering, USPCAS-E was his Ph.D supervisor.

Engr. Waqar Ullah

Engr. Waqar Ullah, Department of Industrial Engineering, UET Peshawar successfully defended his Ph.D thesis on September 30, 2021. Prof. Dr. Sahar Noor, Dean, Faculty of Mechanical, Chemical and Industrial Engineering was his Ph.D supervisor.

Engr. Junaid Bahadar

Engr. Junaid Bahadar, Department of Electrical Engineering, UET Peshawar successfully defended his Ph.D thesis on October 4, 2021. Dr. Tariq Ullah Jan, Department of Electrical Engineering was his Ph.D supervisor.

Engr. Khurram Sheraz

Engr. Khurram Sheraz, Department of Agricultural Engineering, UET Peshawar successfully defended his Ph.D thesis on October 8, 2021. Prof. Dr. Taj Ali Khan, Chairman Department of Agricultural Engineering was his Ph.D supervisor.

Mr. Faheem Ullah

Faheem Ullah, Department of Basic Sciences & Islamiyat, UET Peshawar successfully defended his Ph.D thesis on November 5, 2021. Dr. Noor Badshah, Department of Basic Sciences & Islamiyat was his Ph.D supervisor.

Mr. Muhammad Taufeeq

Muhammad Taufeeq, Department of Basic Sciences & Islamiyat, UET Peshawar successfully defended his Ph.D on November 24, 2021. Dr. Marjan-ud-Din, Department of Basic Sciences & Islamiyat was his Ph.D supervisor.

Ms. Mehnaz

Ms. Mehnaz successfully defended her Ph.D from the Department of Basic Sciences & Islamiyat, UET Peshawar on November 24, 2021. Dr. Altaf Hussain, Department of Basic Sciences & Islamiyat was her Ph.D supervisor.

Engr. Latif Jan

Engr. Latif Jan defended his thesis by completing PhD research from Department of Electrical Engineering in a public seminar on December 29, 2021. The topic of his Ph.D research was “Ergodic Capacity for Mimo-RF OFDM and Outage-Error Rate Analysis using Hybrid Mimo-RF UOW Systems"and his Ph.D supervisor was Prof. Dr. Haseeb Zafar of Electrical Engineering.

Engr. Irfan Ahmed

Engr. Irfan Ahmed, Department of Computer Systems Engineering successfully defended his Ph.D on December 31, 2021 in the video conference hall UET Peshawar. Dr. Aftab Khan, Department of Computer Systems Engineer was his Ph.D supervisor.

Engr. Ammad Khalil

Engr. Ammad Khalil, Department of Computer Systems Engineering successfully defended his Ph.D on July 16, 2021 . Dr. Nasru Minallah, Department of CS&IT was his Ph.D supervisor.

Zaheer-u-Din

Zaheer-ud-Din, Department of Basic Sciences & Islamiyat successfully defended his Ph.D on August 18, 2021. Prof. Dr. Siraj-ul-Islam, Dean faculty of Architecture and Allied Sciences was his Ph.D supervisor.

Engr. Irfan Jamil

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

Engr. Durr-e-Nayab, M. Ahsan and Mashood Ahmed

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

Engr. Muhammad Kamran Shireen

Engr. Muhammad Kamran Shireen, Ph.D. scholar of UET Peshawar successfully defended his thesis in a public seminar on 4th March, 2022. His Ph.D. supervisor was Dr. Muhammad Irfan Khattak, Department of Electrical Engineering UET Peshawar.

Mr. Aizaz Ahmad Khan

Mr. Aizaz Ahmad Khan, Ph.D. scholar of UET Peshawar defended his thesis on 8th March, 2022. His Ph.D. supervisor was Dr. Syed Adeel Ali Shah, Department of Computer Science and Information Technology, UET Peshawar.

Engr. M. Adeel Arshad

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. His Ph.D. supervisor was Dr. Mohammad Fahad Department of Civil Engineering.

Engr. Saira Shireen

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. Her supervisor was Prof. Dr. Noor Muhammad.

Mr. Muhammad Nawaz Khan

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 Ph.D. supervisor was Dr. Altaf Hussain, Department of Basic Sciences and Islamiat.

Engr. Kaleem Ullah

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. His supervisor was Dr. Abdul Basit, Department of Electrical Engineering, UET Peshawar.

Mr. Khalid Saeed

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. His supervisor was Dr. Wajeeha Khalil, Department of Computer Science and Information Technology, UET Peshawar.

Engr. Awais Khan

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. His supervisor was Dr. Shahid Bashir, Department of Electrical Engineering, UET Peshawar.

Engr. Zahid-ur-Rehman and Engr. Sajjad Hussain

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. Their supervisor was Prof. Dr. Noor Muhammad, former chairman of the Department of Mining Engineering.

Engr. Irfan Ahmad Khan

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. His Ph.D. supervisor was Prof. Dr. Rashid Rehan, Director of NIUIP, UET Peshawar.

Engr. Imran Khan Swati

Engr. Imran Khan Swati completed his Ph.D. research from the Department of Chemical Engineering and defended his thesis on 28th July, 2022. His Ph.D. supervisor was Prof. Dr. Mohammad Younis, Department of Chemical Engineering, UET Peshawar.

Engr. Amad Ullah Khan

Engr. Amad Ullah Khan, completed his Ph.D. research from the Department of Chemical Engineering and defended his thesis on 2nd August, 2022. His Ph.D

supervisor was Prof. Dr. Mudassar Habib, Chairman, Department of Chemical Engineering, UET Peshawar.

Engr. Haseeb Ahmad Khan

Engr. Haseeb Ahmad Khan, completed his Ph.D. research from the Department of Electrical Engineering and defended his thesis on 5th August, 2022. His Ph.D supervisor was Prof. Dr. Syed Waqar Shah, Chairman, Department of Electrical Engineering, UET Peshawar.

Engr. Akhtar Gul

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.

Engr. Bilal Khursheed

Engr. Bilal Khursheed, completed his Ph.D. research from the Department of Industrial Engineering and successfully defended his thesis on 25th August, 2022. His Ph.D. supervisor is Prof. Dr. Shahid Maqsood, Chairman, Department of Industrial Engineering, UET Jalozai Campus.

Mr. Hameed Ullah Jan

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 supervisor was Dr. Marjan uddin, Department of Basic Science and Islamiat.

Engr. Gul Rukh Khattak

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.

Engr. Fasih Ahmed Khan and Engr. Saad Ejaz Majeed

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, Electrical Engineering UET Peshawar.

Engr. Atif Jan

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.

Engr. Nasib Gul

An open house Ph.D thesis defense Examination of Engr. Nasib Gul, Department of Agricultural Engineering was successfully held on 9th March at the Video Conference Hall, UET Peshawar. The research topic of Nasib Gul was "Inducing tolerance against drought stress in maize using Melatonin; its effect on plant growth, biochemical traits, antioxidant activities, water productivity and crop yield" supervised by Prof. Dr. Zia Ul Haq, Department of Agricultural Engineering, UET Peshawar.

Engr. Mahmood Alam Khan

An open house Ph.D. Thesis Defense Examination of Engr. Mahmood Alam Khan, Department of Agricultural Engineering was successfully conducted in the Video Conference Hall, UET Peshawar on Friday 2nd June, 2023. The research topic of his thesis was, "Assessment of Gridded Datasets and Evaluation of Climate Change Impacts on Stream flow in a Mountainous Transboundary Kabul River Basin" supervised by Prof. Dr. Muhammad Shahzad Khan, Department of Agricultural Engineering, UET Peshawar.

Engr. Bilal Rehman

Engr. Bilal Rehman, a scholar at the University of Engineering and Technology (UET) in the Department of Electrical Engineering, successfully defended his PhD thesis in a public seminar in front of the examination committee the other day. The topic of his thesis was "Joint Optimization of power control and user grouping for spectral efficiency maximization in uplink power domain multiple access systems." Engr. Bilal Rehman completed Ph.D Research at the Electrical Engineering Department, UET, Peshawar, under the supervision of Prof Dr M Inayatullah Khan Babar, Chairman of Department of Electrical Engineering.

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.

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. Sajjad Wali Khan Gets Training in Structural Engineering

Dr. Sajjad Wali Khan has recently returned from a highly fruitful one-week training programme in the United Kingdom. Dr. Khan's training focused on obtaining hands-on experience with cutting-edge laboratory equipment in the field of structural engineering. His training was conducted by the TQ, a leading manufacturer of modern structural engineering equipment, and he successfully completed the programme, receiving a well-deserved certificate for his exceptional performance.

Award of Meritorious Professor

The Senate, UET Peshawar based on the recommendation of the Higher Education Department, Khyber Pakhtunkhwa has approved the award of Meritorious Professor to Prof. Dr. Siraj-ul- Islam, Department of Basic Sciences &Islamiat, UET Peshawar.

Dr. Siraj has served as the Chairman of the Department of Basic Sciences and Islamic Studies while currently he has also been serving as a Dean, Faculty of Architecture, Allied Sciences and Humanities since 2018. Dr. Siraj's services in the field of research and higher education especially in the field of mathematics are recognized globally. He obtained his Ph.D degree in Mathematics from GhulamIshaq Khan (GIK) Institute of Engineering Sciences and Technology in 2006 while his Post-doctorate degree was completed in 2010 from the University of Nova Gorica, Slovenia, Europe. Dr. Siraj was also awarded the Best Teacher award by the Higher Education Commission, Islamabad in 2011. To date, more than 150 of his research and conference papers have been published in national and international journals.

Student Enrollment & Degree Awarded Annually

CHAPTER 8

Basic Enrolment (Gender-Wise) 2021-22								
B.Sc.			**M.Sc.**			**Ph.D.**		
Male	Female	**Total**	Male	Female	**Total**	Male	Female	**Total**
1250	148	**1398**	357	38	**395**	42	05	**47**

Basic Enrolment (Gender-Wise) 2022-23								
B.Sc.			**M.Sc.**			**Ph.D.**		
Male	Female	**Total**	Male	Female	**Total**	Male	Female	**Total**
1283	169	**1452**	326	37	**363**	26	04	**30**

Degrees Awarded, Peshawar (Main Campus) B.Sc.		No. of Degrees	
S.No.	**Department**	**2021-22**	**2022-23**
1	Agricultural Engineering	17	0
2	Civil Engineering	209	0
3	Chemical Engineering	90	41
4	Computer Systems Engineering	88	0
5	Electrical Engineering	195	0
6	Industrial Engineering	56	19
7	Mechanical Engineering	170	46
8	Mining Engineering	20	0
9	Mechatronics Engineering	53	0
10	Computer Sciences & IT	47	0
Total		**945**	**106**

Degrees Awarded Satellite Campuses and Affiliated Colleges (B.Sc.)			No. of Degrees	
Campus		Department	2021-22	2022-23
Kohat Campus				
	1	Electrical Engineering	93	0
Bannu Campus				
	1	Civil Engineering	86	0
	2	Electrical Engineering	44	0
Abbottabad Campus				
	1	Electronics Engineering	49	0
	2	Architecture	44	0
Jalozai Campus				
	1	Civil Engineering	89	0
	2	Mechanical Engineering	90	0
	3	Electrical Engineering	77	0
	4	Industrial Engineering	39	0
	5	Computer Science & IT	14	0
Mardan Campus (UET Mardan now)				
	1	Electrical Engineering	105	0
	2	Telecom Engineering	57	0
	3	Software Engineering	61	0

Degrees Awarded (M.Sc. & Ph.D)			2021-22	2022-23
	1	M.Sc.	319	271
	2	Ph.D.	30	20

Strengthening Physical Infrastructure

CHAPTER 9

Development Projects (on-going)

ESTABLISHMENT OF JALOZAI CAMPUS

Location:	At kilometer 11 on Pabbi-Cherat Road, Jalozai, District Nowshera,
Date of Approval of RPC-1	May 2020
Extended Date of Completion:	June 2024
Revised PC-I	Submitted to Planning Commission, Islamabad for approval
Sponsoring Agency:	HEC, Islamabad
Consultants:	M/s National Engineering Services Pakistan (Pvt.) Limited (NESPAK) only (Design in Progress)
Approved Revised PC-1 Cost:	Rs. 6535.325 Million
Total area of the Campus	402 acre
Total Covered area	602,346sq
Live-in strength:	3,240 students
HRD Component:	95 Nos. Overseas MS/PhD scholarships

Objectives

- Construct 0.6 million square feet of building area to house University infrastructure.
- Establishment of five Engineering departments at Undergraduate and Postgraduate level.
- Train 105 faculty members to obtain PhD Degrees (Overseas) as HRD program.
- Increase the student enrollment by 3240
- Improve quality of education and increase relevance to the national needs by developing and funding research facilities for faculty.

at Jalozai Campus, 05 Nos. Disciplines including Civil Engineering, Electrical Engineering, Mechanical Engineering, Industrial Engineering and Computer Science & Information Technology have already been introduced. Under its Human Resources Development program, 95 Faculty members were sent abroad for MS /PhD higher education to teach and impart state-of-the-art scientific and technical knowledge to the students.

Status of Civil Works

- 04 Nos. Academic Buildings alongwith separate buildings for modern and well-equipped laboratories, annexed with the main buildings, are completed and occupied by UET Peshawar.
- 07 Nos. Hostels with a capacity to accommodate 200 students each, with spacious buildings encompassing basic facilities, are completed and taken over by UET Peshawar.

Infrastructure Package I

(I)	Roads and Walkways	Completed
(ii)	Water supply	Completed
(iii)	Sewerage	Completed
(iv)	Boundary wall	Completed
(v)	Flood channels	Completed
(vi)	Electrification	Completed

Package-II

(i)	Road and Walk Ways	Completed
(ii)	RCC Bridge on Flood Channel-I	Completed
(iii)	Construction of Promenade	Completed
(iv)	Construction of 52 Nos. Faculty& Staff Residences	Completed
(v)	Construction of 04 Nos. Student Hostels	Completed
(vi)	External Sui Gas Supply Works	Completed

Status of Human Resource Development

So far, 95 Nos. scholars have been sent abroad to different universities of USA, UK and other European countries, out of which 59 scholars have joined the University after completing their MS/PhD studies.

Status of Lab-equipments

Lab equipment for all disciplines have been procured installed commissioned and functional.

Academics

- Regular classes of Civil, Electrical, Industrial, Mechanical Engineering and CS&IT departments are being held at Jalozai Campus.
- Seven student Hostels are functional.

Strengthening Physical Infrastructure

STRENGTHENING OF ABBOTTABAD CAMPUS

The project was approved by DDWP in its meeting held on 20th March 2020 for a total cost of Rs.1,500.00 million. An amount of Rs.50.00 million is allocated as PSDP allocation for the FY 2021-23, against which no release has been made as yet. Component wise allocation of the project is as under:

Component (s)	Budget	Exp	F.E.C.	Balance
Civil work	820.170	971.934	-	548.236
Civil work (Admin)	4.000	0.672	350.000	3.328
Lab. Equipment	190.650	17.619	-	173.031
Books/ Journals	8.000	2.379	-	5.621
Furniture/ Fixture	33.513	–	-	33.513
Transport/Logistics	21.845	21.335	-	0.510
ICT Services for the campus	35.282	–	-	3.528
Miscellaneous	22.500	2.436	-	20.064
Salaries	14.040	10.088		3.952
Total Amount in Million (PKRs.)	**1150.000**	**1026.463**		**791.783**

ESTABLISHMENT OF SUB-CAMPUS AT DIR (UPPER):

The project was approved by PDWP, HED KP in its meeting held on 15th September 2017 for a total cost of Rs. 2019.699 million. Till date an amount of Rs.250.00 million has been released by HED, KPK, against which an interim amount of Rs. 125.00 million has been paid to DC Dir (Upper) for acquisition of land for the proposed campus. The overall component wise allocation and expenditure are as under:

Component (s)	Total (Rs. in million)	Progress/ Expenditures
Land	170.600	73.880
Bridge	50.000	–
Civil works	691.248	–
Land development/ Road & Drainage Network	90.000	–
Electricity & Telephone Exchange	55.000	–
Lab Equipment	642.084	–
Furniture, Fixture and Networking	56.810	–
Books/Journals	6.000	–
Transport	7.000	–
Salaries of Project Staff	190.176	0.324
Supervision @2.5%	20.781	–
Operational Cost	40.000	5.572
Total in Million Rs.	**2019.699**	**79.777**

Strengthening Technological Infrastructure

CHAPTER 10

IT Center (CMS)

Campus Management Solutions (CMS) / IT Center

UET Peshawar with its core mandate to provide "quality education" is on a continuous path to bring new technologies in the academic processes. In 2006, UET Peshawar under the auspices of HEC took an initiative and established an advanced network infrastructure through the Campus Management Solutions (CMS) software services. The CMS, a web-based portal was officially launched in 2008 at UET Peshawar with an aim to provide faculty/staff and the students with immediate access to real-time information that helps to streamline the processes, reduce manual handling and building a database that effectively manages student accounts. In 2012, CMS was transformed into Information Technology Center by adding a wide spectrum of services to its domain. These services are offered across the campus which include CMS software services; providing 24/7 internet services on campus and hostels; official email services; VPN to access HEC Digital Library for the students and faculty/staff; video conferencing; issuance of Microsoft licensed softwares to the departments; managing the official website: **www.uetpeshawar.edu.pk** with the latest information on academic and research programs, and IT Help Desk Support. The University also started the Smart Campus (Eduroam), a world-wide education roaming service in 2019 which has further enhanced the internet connectivity for the students and faculty/staff across campus. Over the years, the integration of information technology into academic and administrative processes has completely transformed the learning environment and student lifestyle on campus.

Smart Campus

Smart Education is a transformative concept that modernizes traditional pedagogical methods through the integration of Information and Communication Technologies (ICT). This initiative aligns with the Government of Pakistan's vision to enhance digital learning, particularly in higher education institutions, by leveraging the distribution of 500,000 laptops/computers to students nationwide. These devices, equipped with touch-screen and tablet functionality, facilitate both in-class and remote learning, significantly enhancing students' academic engagement.To further support ubiquitous computing, UET Peshawar in collaboration with the Higher Education Commission (HEC) has launched the Smart Campus initiative. This project provides blanket WiFi coverage across the university, complementing the Smart Bags initiative, which includes 2-in-1 detachable laptops. By integrating digital tools into the learning environment, this initiative fosters student engagement, enhances personalized learning experiences, promotes innovation, and strengthens educators' digital pedagogy. The installation of Smart Campus infrastructure is progressing at a rapid pace, and in the coming months, UET Peshawar's students, faculty, and administration will fully benefit from this advanced technological ecosystem.

Digital Library

The University Library contains one of the greatest collections of latest books and manuscripts related to various engineering and computing disciplines. The Library also offers facilities to students to access electronic journals under "Digital Library Program", an HEC funded project for public and private sector universities. (http://www.digitallibrary.edu.pk/nwfpuet.html)

Video Conferencing

UET Peshawar, in collaboration with HEC, established a video conferencing room at UET Peshawar Main Campus. The video conferencing room is equipped with latest video conferencing equipment and sound system. It is being e used for holding multi-party conferences without travailing, delivering and attending courses, and interacting with other academics partners across the globe. Videoconferencing is already well established with a growing number of educational centers all over

Online Admissions

the world and it is a great step for UET Peshawar in dissemination and acquisition of learning.

UET Peshawar has completely transformed its manual admissions to online system for engineering and non-engineering undergraduate programs. It has gone entirely online by giving complete information ranging from online registration for ETEA test, eligibility criteria, application process, seats allocation, disciplines and online payments information. (http://www.enggentrancetest.pk.

Data-Centre

As per HEC desired standards, UET Peshawar has developed a state of the art Data-Centre that is equipped with IBM Servers, CISCO Firewall and Layer-3 Switches, Network Monitoring System , uninterrupted power supply, fire suppression system, cooling system and CCTV monitoring system to make available the CMS services 24/7 for the associated stockholders.

Add-On Services

IT Centre (CMS) provides VPN (Virtual Private Network) facility to the faculty members and students to have access to digital library outside the university Campus. IT Centre provides official e-mails addresses to the faculty members, students and administration. With the initiative of HEC and through a service package named “Microsoft for all” IT Centre also provides an online access to the free online licensed software of Microsoft.

Implementation of ERP Software System

ERP is the concept of computerization of all the business process, departments and sections of an institution to integrate, automate and produce intelligent report for current assessment and future planning. This concept pave the way to implement the vision of the government of Pakistan towards a smart and paperless environment. This comprehensive and coordinated computerization system encapsulate the areas of

- Human Resource Management
- Financial Management
- Procurement Management System
- Online admission
- Student Financial
- Examination
- Quality Enhancement Cell
- Payroll
- Auditing
- Business Intelligence
- Inventory system
- Hostels Management
- Student Enrollment
- Grade Tracking
- Alumni
- Object Based Education
- Budgeting,

This mile stone initiative is at the last stage of implementation and will be at the fingertips of each stakeholder in the coming academic session.

Sports

CHAPTER 11

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.

Sports E po 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.

Inter-Hostel Sports Week 2023

The Inter-Hostel Sports Week 2023 was inaugurated on 8 March, 2023. The Chief guest of the ceremony was Vice Chancellor, Prof. Dr. Iftikhar Hussain. Prof. Dr. Afzal Khan, Provost UETwelcomed the participants and appreciated the contribution of the sports committee, hostel administration and the support of the administration. He welcomed all the participants and emphasized the importance of sports in students' lives. He pointed out that games and other extra activities provide an opportunity for students to bond, make new friends, and develop a sense of community within the hostels. The sports teams were presented and the Vice Chancellor officially opened the games. During the sports week, hostel students, including girls' hostel, teams took part in various games.

UET Jalozai Campus 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 organised 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.

UET Squash Team Secured 3rd Position in 34th National Games

The Higher Education Commission (HEC) Squash team has secured 3rd Position in the 34th National games held at Quetta from 22nd to 30th May, 2023. The HEC team, under the captaincy of Mr. Khushal Riaz Khan (Squash Player, UET Peshawar) got the Bronze medal, conferred for the first time ever to the HEC in Squash. Mr. KhushalRiaz thanked and attributed his success to the HEC and UET Peshawar. He thanked for the continuous support of the management and vowed to strive for drawing more accolades for his alma mater and country in future.

UET Peshawar Bagged 3rd Position in All Pakistan Inter-varsity Men's Tennis Championship 2022

Team UET Peshawar bagged 3rd position against IBA Karachi in All Pakistan Inter-Varsity Men's Tennis Championship 2022-23. The Pak-Austria Fachhochschule Institute of Applied Sciences & Technology, Mang, Haripur, under the auspices of HEC Pakistan hosted a four day tennis tournament from February 21st to February 24th under the name "All Pakistan Inter-Varsity Men's Tennis Championship 2022-23". A total of 12 teams participated in the tournament. Team UET Peshawar with a sheer effort and teamwork of Imadullah Khan, Ahmad Shafi, Faizan Ahmed, MuzzammilAbdurRehmanAkhund and WajidLayaq, Under the supervision Director Sports, Muhammad Ali achieved the title.

Inter-Departmental Sports Championship 2022-23

The closing ceremony of UET Peshawar Inter-departmental Sports Championship 2022-23 was held on 20th March 2023 at the VC Lawn UET Peshawar. The week-long sports championship was organized by the Directorate of Sports and UET Sports Society from 16th-20th March 2023. Prof. Dr. Sahar Noor, Dean MCI/Chairman Sports Committee were the chief gust on the occasion. He said, the championship was a great success and provided a platform for the students to showcase their talents and sportsmanship. He appreciated the efforts of the Directorate of Sports and UET Sports Society for organizing the event and providing the students with an opportunity to participate in healthy competition.

Finance

CHAPTER 12

Actual (Revised Estimates) 2022-23 & Budget Estimates 2023-24
Consolidated Summary of Income & Expenditure

Amount (Rs. in million)

Particulars	Actual for 2021-22	Budget Estimates 2022-23	Revised/Actural Estimates 2021-23			Budget Estimates 2023-24
			Actual July, 2022 to March, 2023	Probable April 2023 to June, 2023	(Total for 2022-23 (Col: 4+5)	
1	2	3	4	5	6	7
Opening Balance	**-732.245**	**(1,087.682)**	**(1,087.682)**		**(1,087.682)**	**-977.962**
A) INCOME						
I. HEC Grants						
i. Annual Grant	850.039	850.000	552.525	297.514	**850.039**	887.725
ii. Supplementary Grants :						
a. Additional Grant from HEC for HEDP	53.900	0.000	0.000	0.000	**0.000**	0.000
c) Additional Grant from KP Govt	200.000		0.000	173.000	**173.000**	0.000
d) Additional Grant from KP Govt (FY 2022-23, approved by Senate)		300.000	0.000	300.000	**300.000**	0.000
Sub Total HEC Supplementary Grant:	**253.900**	**300.000**	**0.000**	**473.000**	**473.000**	**0.000**
Total HEC Grant	**1,103.939**	**1,150.000**	**552.525**	**770.514**	**1,323.039**	**887.725**
II. Own Income						
a. Regular Fee Income	224.104	551.057	291.840	145.156	**436.996**	615.357
b. Self Sustained/Support Income	46.136	23.047	24.110	0.000	**24.110**	18.350
c. Non-Subsidized/Self Finance Income	291.899	470.445	265.932	139.001	**404.933**	517.550
d. Other Sources (Miscellaneous Income)	254.471	330.056	296.595	36.405	**333.000**	375.539
Sub Total Own Income:	**816.610**	**1,374.605**	**878.477**	**320.562**	**1,199.039**	**1,526.796**
Total Resources (A):	**1,920.549**	**2,524.605**	**1,431.002**	**1,091.076**	**2,522.078**	**2,414.521**
B) EXPENDITURE						
a. Pay and Allowances	1469.037	1642.429	1041.666	525.121	**1,566.787**	1616.787
b. Other Charges	806.949	826.276	557.627	287.944	**845.571**	794.654
Total Expenditure (B):	**2,275.986**	**2,468.705**	**1,599.293**	**813.065**	**2,412.358**	**2,411.441**
C) CLOSING BALANCE (A-B)	**(355.437)**	**55.900**	**(168.291)**	**278.011**	**109.720**	**3.080**
TOTAL BALANCE	**(1,087.682)**	**(1,031.782)**	**(1,255.973)**	**278.011**	**(977.962)**	**(974.882)**

Financial year 2021-22 at a Glance

Statement of Receipts & Expenditures & Source of Financing

Particulars	Amount (Rs. in million)		Amount (Rs. in million)
	Approved Budget for CFY 2021-22 Year Total	Receipts & Expenses 2021-22 Current Quarter	Cumulative Total
1. Opening Balance	**(732.245)**	**(1,023,190,195.79)**	**(732,244,957.92)**
2. Total Grants & Donations (a - f)	**850.000**	**412,509,750**	**1,050,039,000**
a. Federal Government (Annual)	850.000	212,509,750	**850,039,000**
b. Additional Grant by Provincial Government	–	200,000,000	**200,000,000**
I. Special Additional Grant	–	–	–
ii. Increase in Pay & Allowances (05 & 10%)	–	–	–
iii. Increase in Pension 10%	–	–	–
iv. Revision in Rental Ceiling @ 50%	–	–	–
c. Grant for Tenure Track Faculty	–	–	–
d. Provincial Govt. Grant	–	–	–
e. Donations	–	–	–
3. Total Own Resources	**1,218.849**	**206,011,491**	**816,610,349**
3 (i) Students Related Income [3(i)a – 3(i)d]	**1,150.191**	**189,282,000**	**713,933,790**
Tuition Fees	622.780	**146,059,556**	**592,205,168**
Other Charges	475.322	**33,458,620**	**68,726,879**
Hostel Charges etc.	46.589	**8,646,424**	**48,955,343**
a. On Campus Students (Sub-Total)	**1,144.691**	**188,164,600**	**709,887,390**
b. Affiliated College/Institutions' Students	**5.500**	**1,117,400**	**4,046,400**
c. External (Private) Students			
3 (ii). Other Venues of Income [3(ii)a – 3(ii)f]	**68.658**	**16,729,491**	**102,676,560**
a .Income from Collaborative and Contract Research	–	–	
b. Income from Consultancy & Testing	36.000	16,729,491	**63,424,807**
c. Income from Intellectual Property	–	–	
d. Income from Regeneration & Development Programs	–	–	
e. Alumini	–	–	
f. Any Other Income	32.658	0	**39,251,753**
3 (iii) Endowments			
A. Total Available Resources [1+2+3]	**1,336.604**	**(404,668,955)**	**1,134,404,392**
4 (i). Expenditure from Federal Government Grant	**1,015.812**	**466,918,044**	**1,050,039,000**
a. Faculty Salary	464.578	37,829,942	**351,263,912**
b. Salary of Officers & Staff -Teaching Departments	60.000	25,549,071	**55,060,429**
c. Salary of Officers & staff -Non-Teaching Departments	120.000	111,996,626	**309,880,043**
d. TTS Faculty Salary/ Gratuity	128.234	63,764,442	**63,764,442**
e. Other Establishment Charges		-	_
f. Non Salary Expenses / Other Charges (Library Exp)	200.000	192,777,962	**235,070,174**
g. Research	8.000	-	_
h. Need Based Scholarships	35.000	35,000,000	**35,000,000**

Particulars	Amount (Rs. in million)		Amount (Rs. in million)
	Approved Budget for CFY 2021-22 Year Total	Receipts & Expenses 2021-22 Current Quarter	Cumulative Total
4 (ii). Expenditure from Own Income (All Resources)	**1,314.037**	**269,994,647**	**1,225,947,037**
a. Faculty Salary	350.000	200,000,000	**330,000,000**
b. Salary of Officers & Staff -Teaching Departments	120.000	60,644,996	**86,070,912**
c. Salary of Officers & staff -Non-Teaching Departments	280.000	-	**272,997,109**
d. TTS Faculty Salary/ Gratuity		-	**-**
e. Other Establishment Charges		-	
f. Non Salary Expenses / Other Charges	564.037	9,349,651	**536,879,016**
g. Research		-	**-**
5. Total Establishment Charges [4 (i) a-e + 4 (ii) a-e]	**1,522.812**	**499,785,078**	**1,469,036,847**
6. Total Non Salary Expenses [4 (i) f-g + 4 (ii) f-h]	**807.037**	**237,127,613**	**806,949,190**
B. Total Expenditures [5 + 6]	**2,329.849**	**736,912,691**	**2,275,986,037**
C. Surplus / Deficit [A - B]	**(993.245)**	**(1,141,581,645)**	**(1,141,581,645)**

Statement of Accounts

as on 30.06.2022

Particulars		Amount	Particulars	Amount
Opening Balance		(732,244,957.92)	Advance	43,133,850.91
Grant		1,050,039,000.00	Balance as per Bank Book	11,453,943.43
Receipt		816,610,349.00	Receivables	38,921,418.00
	Total	**1,134,404,391.08**		
Less Expenses		-		
Other Expenditure		806,949,190.00		
Pay & Allowances		1,469,036,847.00		
	Total	**2,275,986,037.00**		
Closing Balance		(1,141,581,645.92)		
Liabilities		1,235,090,858.26		
	Total	**93,509,212.34**	**Total**	**93,509,212.34**

Financial year 2022-23 at a Glance

Statement of Receipts & Expenditures & Source of Financing

Particulars	Amount (Rs. in million)		Amount (Rs. in million)
	Approved Budget for CFY 2022-23 Year Total	Receipts & Expenses 2022-23 Current Quarter	Cumulative Total
1. Opening Balance	**(690,693,000)**	**(1,309,903,357.29)**	**(1,141,581,645.49)**
2. Total Grants & Donations (a - f)	**1,150,000,000**	**488,740,700**	**1,041,266,050**
a. Federal Government (Annual)	**850,000,000**	**315,740,700**	**868,266,050**
b. Additional Grant by Provincial Government	**300,000,000**	**173,000,000**	**173,000,000**
I. Special Additional Grant			
ii. Increase in Pay & Allowances (05 & 10%)			
iii. Increase in Pension 10%			
iv. Revision in Rental Ceiling @ 50%			
c. Grant for Tenure Track Faculty			
d. Provincial Govt. Grant			
e. Donations			
3. Total Own Resources	**1,374,605,000**	**317,296,077**	**1,195,734,051**
3 (i) Students Related Income [3(i)a – 3(i)d]	**1,250,137,000**	**294,867,529**	**1,064,915,421**
Tuition Fees	1,080,142,000	226,913,925	**905,387,583**
Other Charges	78,532,000	60,491,008	**85,561,462**
Hostel Charges etc.	88,663,000	6,564,596	**69,529,876**
a. On Campus Students (Sub-Total)	1,247,337,000	293,969,529	**1,060,478,921**
b. Affiliated College/Institutions' Students	2,800,000	898,000	**4,436,500**
c. External (Private) Students			
3 (ii). Other Venues of Income [3(ii)a – 3(ii)f]	**124,468,000**	**22,428,548**	**130,818,630**
a .Income from Collaborative and Contract Research			
b. Income from Consultancy & Testing	100,000,000	14,032,638	**101,549,859**
c. Income from Intellectual Property			
d. Income from Regeneration & Development Programs			
e. Alumini			
f. Any Other Income	24,468,000	8,395,910	**29,268,771**
3 (iii) Endowments			
A. Total Available Resources [1+2+3]	**1,833,912,000**	**(503,866,580)**	**1,095,418,455**
4 (i). Expenditure from Federal Government Grant	**1,142,526,246**	**488,740,700**	**1,041,266,050**
a. Faculty Salary	463,740,000	220,205,651	**452,192,549**
b. Salary of Officers & Staff -Teaching Departments	95,000,000	64,433,438	**89,440,530**
c. Salary of Officers & staff -Non-Teaching Departments	440,000,000	135,546,831	**430,911,781**
d. TTS Faculty Salary/ Gratuity	98,686,000	51,308,700	**51,308,700**
e. Other Establishment Charges		-	**-**
f. Non Salary Expenses / Other Charges (Library Exp)	3,100,246	246,080	**412,490**
g. Research	5,000,000	-	
h. Need Based Scholarships	37,000,000	17,000,000	**17,000,000**

Particulars	Amount in Rs. (million)		Amount in Rs. (million)
	Approved Budget for CFY 2022-23 Year Total	Receipts & Expenses 2022-23 Current Quarter	Cumulative Total
4 (ii). Expenditure from Own Income (All Resources)	**1,326,175,754**	**330,390,441**	**1,377,150,127**
a. Faculty Salary	300,000,000	10,000,000	**300,000,000**
b. Salary of Officers & Staff -Teaching Departments	55,000,000	5,000,000	**55,594,257**
c. Salary of Officers & staff -Non-Teaching Departments	190,000,000	41,988,122	**190,695,540**
d. TTS Faculty Salary/ Gratuity		-	**-**
e. Other Establishment Charges		-	
f. Non Salary Expenses / Other Charges	781,175,754	273,402,319	**830,860,330**
g. Research		-	**-**
5. Total Establishment Charges [4 (i) a-e + 4 (ii) a-e]	**1,642,426,000**	**528,482,742**	**1,570,143,357**
6. Total Non Salary Expenses [4 (i) f-g + 4 (ii) f-h]	**826,276,000**	**290,648,399**	**848,272,820**
B. Total Expenditures [5 + 6]	**2,468,702,000**	**819,131,141**	**2,418,416,177**
C. Surplus / Deficit [A - B]	**(634,790,000)**	**(1,322,997,721)**	**(1,322,997,721)**

Statement of Accounts

as on 30.06.2023

Particulars		Amount	Particulars	Amount
Opening Balance		(1,141,581,645.49)	Advance	49,964,774.91
Grant		1,041,266,050.00	Balance as per Bank Book	28,636,731.92
Receipt		1,195,734,050.73	Receivables	39,456,622.00
	Total	**1,095,418,455.24**		
Less Expenses				
Other Expenditure		848,272,820.00		
Pay & Allowances		1,570,143,357.00		
	Total	**2,418,416,177.00**		
Closing Balance		(1,322,997,721.76)		
Liabilities		1,441,055,850.59		
	Total	**118,058,128.83**	**Total**	**118,058,128.83**

Funds Generation / Development

CHAPTER 13

Funds Generation / Development

Endowment Fund Project

S.No.	Description	Amount (Rs. in million)
A	Income/Reciept	550.008
B	Less Expenditure	71.441
C	**Balance (A-B)**	**478.567**
D	Investment	420.500
E	**Net Cash Balance as per book (C-D)**	**58.067**

Faculty Research Grant / Commercialization

S.No.	Description	Amount (Rs. in million)
1.	FY 2021-22.	600.534
2.	FY 2022-23	85.21

Developmental Budget

S.No.	Project	Amount (Rs. in million)
1.	Jalozai Campus (Revised PC-I)	6535.325
2.	Strengthening of Abbottabad Campus	1500.000
3.	Establishment of Sub-Campus of UET Dir (Upper)	2019.699
	TOTAL	**10055.02**

Consultancy Services / Lab Utilization

S.No.	Description	Amount (Rs. in million)
1.	FY 2021-22	**63.425**
1.	FY 2022-23	**97.517**

University Liaison with Industry

CHAPTER 14

University Liaison with Industry

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 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.

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

UET Peshawar and PTB 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.

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.

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 this agreement.

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.

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.

Recruitments & Promotions

CHAPTER 15

2021-22 & 2022-23

S. No	Name of Post	Number
1.	Promotion of Professor (BPS-21), Department of Mechanical Engg	01
2.	Appointment of Assistant Director (Temporary) “Higher Education Development in Pakistan (HEDP)	01
3.	Award of Professor Meritorious (BPS-22)	01
4.	Appointment of Lab Engineer (BPS-17), (Regular) Department of Industrial Engg, UET Jalozai campus	01
5.	Appointment of Lab Engineer (BPS-17), (Contract) Department of Agricultural Engg:, UET Peshawar campus	01
6.	Promotion of Professor TTS, Department of Electrical Engineering, UET Peshawar Campus	01
7.	Promotion of Associate Professor TTS, Department of Computer Systems Engg: UET Jalozai Campus	01
8.	Promotion of Associate Professor TTS, Department of Chemical Engineering, UET Peshawar Campus	01
9.	Promotion of Associate Professor TTS, Department of Electrical Engineering, UET Peshawar Campus	01
10.	Promotion of Associate Professor TTS, Department of Basic Sciences &Islamiat, UET Peshawar Campus	01
11.	Promotion of Office Manager (BPS-17) to Deputy Director P&D (BPS-18)	01
12.	Promotion of Office Manager (B{S-17) to Deputy Director QEC (BPS-18)	01
13.	Promotion of System Administrator (BPS-18), Coordinator Office, Jalozai Campus	01
14.	Promotion of Office Supdt: to Establishment Officer-II (BPS-17)	01
15.	Promotion of Office Supdt: to Assistant Registrar Academic (BPS-17)	01
16.	Promotion of Office Supdt: to Assistant Director (Admissions) (BPS-17)	01
17.	Promotion of Office Supdt: to Assistant Provost, (BPS-17)	01
18	Promotion of Senior Instructor Gemology, Gems & Jewelry Center of Excellence	01
19.	Promotion of Computer Operator (BPS-17)	01
20.	Upgradation of Cashier from BPS-16 to BPS-17, Account Section	01
21.	Upgradation of Lab Technologist, from BPS-16 to BPS-17	01
22.	Upgradation of Computer Hardware Technician from BPS-16 to BPS-17, SIC	01
23.	Upgradation of Lab Assistant from BPS-16 to BPS-17, Deptt: of Chemical Engg:	01
24.	Upgradation of lab Assistant from BPS-16 to BPS-17, Deptt: of Civil Engg: UET Campus Pesh:	01
25.	Promotion of Office Assistants (BPS-16) to Office Superintendent (BPS-17)	07
26.	Upgradation of Lab Assistant BPS-16 to BPS-17, Deptt: of Industrial Engg: Peshawar Campus	01
27.	Upgradation of Lab Technologist, BPS-16 to BPS-17, Deptt: of Electronics Engg: Abbottabad Campus	01

28	Appointment of Professor (BPS-21), Deptt:of Mechatronics Engg:, UET Peshawar Campus	01
29	Appointment of Assistant Professor (BPS-19), Deptt:of Mechatronics Engg:, UET Peshawar Campus	01
30	Appointment of Professor (BPS-21), Deptt: of Industrial Engg; UET Jalozai Campus	01
31	Appointment of Associate Professor (BPS-20), Deptt: of Industrial Engg; UET Peshawar Campus	01
32	Appointment of Associate Professor (BPS-20), Deptt: of Industrial Engg; UET Jalozai Campus	01
33	Appointment of Lab Engineer (BPS-17), Deptt: of Mechanical Engg; UET Peshawar Campus	01
34	Appointment of Lab Engineer (BPS-17), Deptt: of Mechanical Engg; UET Peshawar Campus	02
35	Appointment of Associate Professor (BPS-20), Deptt: of Elect: Engg: UET Peshawar Campus	01
36	Appointment of Assistant Professor (BPS-19), Deptt: of Computer Science & IT Peshawar Campus	01
37	Appointment of Professor (BPS-21), Deptt: of Civil Engg; UET Bannu Campus	01
38	Appointment of Professor (BPS-21), Deptt: of Mining Engg: UET Peshawar Campus	02
39	Appointment of Lecturer (BPS-18), Deptt: of Mining Engg: UET Peshawar Campus	02
40	Appointment of Lab Engineer, (BPS-17), Deptt: of Civil Engg; UET Jalozai Campus	01
41	Appointment of Assistant Engineer (BPS-17), Energy Center, Hayatabad, Peshawar	01
42	Appointment of Assistant Librarian (BPS-17), Energy Center, Hayatabad, Peshawar	01
43	Appointment of Professor (BPS-21), Deptt: of Mechanical Engg; UET Peshawar Campus	01
44	Appointment of Lab Engineer (BPS-17), Deptt: of Civil Engg: UET Peshawar Campus	03
45	Appointment of Lab Engineer (BPS-17), Deptt: of Civil Engg; UET Jalozai Campus	01
46	Appointment of Associate Professor (BPS-20), Deptt: of Industrial Engg; UET Peshawar Campus	02
47	Appointment of Professor Meritorious (BPS-22), Deptt: of Basic Sciences &Islamait Peshawar Campus	01
48	Appointment of Office Assistant (BPS-16), Energy Center, Hayatabad, Peshawar	01
49	Appointment of Office Assistant, Fixed Salary (HEDP)	01
50	Appointment of Lab Assistant (BPS-11) fixed salary, Deptt: of Civil Engg: UET Jalozai Campus	04
51	Appointment of Lab Technician (BPS-16), Deptt: of Industrial Engg; UET Jalozai Campus	01
52	Appointment of Lab Assistant (BPS-11), Deptt: of Industrial Engg: UET Jalozai Campus	03
53	Appointment of Lab Attendants (BPS-3), Deptt: of Industrial Engg; UET Jalozai Campus	06
54	Appointment of Lab Assistant (BPS-11), Deptt: of Industrial Engg:, UET Jalozai Campus	01
55		
56		

2021-22 & 2022-23

S. No	Name of Post	Number
1.	Appointment of Senior Developer (BPS-18), for implementation of Enterprise Resource Planning (ERP)	01
2.	Promotion of Establishment Officer-II (BPS-17) to Deputy Registrar Academic (Reg) (BPS-18)	01
3.	Promotion of Law Officer (BPS-17) to Deputy Director Admissions (BPS-18)	01
4.	Promotion of Assistant Director Admissions (BPS-17) to Deputy Registrar Academic (Operation) BPS-18	01
5.	Promotion of Office Superintendent (BPS-17) to Office Manager (Technology Incubation Centre)	01
6.	Promotion of Office Superintendent (BPS-17) to Establishment Officer	01
7.	Promotion of Office Superintendent (BPS-17) to Assistant Controller Examinations	01
8.	Promotion of Office Superintendent (BPS-17) to Administrative Officer	01
9.	Promotion of Assistant Librarian BPS-17 to BPS-18	01
10.	Promotion of Assistant Engineer (BPS-17) to Deputy Director Works (BPS-18)	01
11.	Promotion of Office Assistant (BPS-16) to Office Superintendent (BPS-17)	02
12.	Promotion of Asstt: Computer Programer (BPS-16) to Senior Computer Technologist (BPS-17)	01
13.	Promotion of Asstt: Computer Programer (BPS-16) to Network Administrator (BPS-17)	01
14.	Promotion of Asstt: Computer Programer (BPS-16) to Senior Computer Technologist (BPS-17)	01
15.	Promotion of Asstt: Computer Programer (BPS-16) to Manager Networks (BPS-17)	01
16.	Promotion of Asstt: Computer Programer (BPS-16) to Network Administrator (BPS-17)	01
17.	Appointment of Professor BPS-21, Deptt: of Electrical Engg: Main Campus	01
18	Appointment of Professors (BPS-21), Deptt: of Computer Systems Engg: Main Campus	02
19.	Appointment of Professor (BPS-21), Deptt: of Electrical Bannu Campus	01
20.	Appointment of Associate Professor (BPS-20), Deptt: of Electronics Engg; Abbottabad Campus	01
21.	Appointment of Lab: Engineers (BPS-17), Deptt: of Electronics Engg:,Abbottabad Campus	02
22.	Appointment of Lab: Engineer, (BPS-17), Deptt: of Computer Systems Engg: Main Campus	01
23.	Appointment of Associate Professors (BPS-20), Deptt: of Chemical Engg: Main Campus	02
24.	Appointment of Lecturer (BPS-18), Deptt: of Mechatronics Engg; Main Campus	01
25.	Appointment of Office Manager (BPS-17), Center for Advanced Studies in Energy	01
26.	Appointment of Associate Professors (BPS-20), Department of Computer Science & IT Main Campus	02
27.	Appointment of Lab: Engineers (BPS-17), Deptt: of Electrical Engg:,Kohat Campus	04

28	Appointment of Lab: Engineers (BPS-17), Deptt: of Electrical Engg:,Bannu Campus	03
29	Appointment of Assistant Professor (BPS-19), Deptt: of Mechanical Engg: Main Campus	03
30	Appointment of Lab: Engineers (BPS-17), Deptt: of Industrial Engg:, Jalozai Campus	03
31	Appointment of Office Manager (BPS-17), in the ORIC Office	01
32	Award of Professors Meritorious BPS-22	03
33	Appointment of Lab: Engineers (BPS-17), Deptt: of Engg:,Abbottabad Campus	01
34	Appointment of Driver (PPS-3), in Project titled “Strengthening of Abbottabad Campus”	01
35	Appointment of Accountant (PPS-6), in Project titled “Strengthening of Abbottabad Campus”	01

Meetings of Authorities & Statutory Bodies

CHAPTER 16

SYNDICATE MEETINGS

124th meeting of S ndicate held on 25 & 26 September, 2021
125th meeting of S ndicate held on 13.2.2022
126th meeting of S ndicate held on 14.5.2022
127th meeting of S ndicate held on 18 & 19 June, 2022
128th meeting of S ndicate held on 15.10.2022
129th meeting of S ndicate held on 11.12.2022
130th meeting of S ndicate held on 26.05.2023
131st meeting of S ndicate held on 13.06.2023 (Phase-I)
131st meeting of S ndicate held on 24 & 25 Jul , 2023 (Phase-II)

SENATE MEETINGS

10th meeting of Senate held on 13.01.2022
11th meeting of Senate held on 31.05.2022
12th meeting of Senate held on 29.12.2022
13th meeting of Senate held on 14.06.2023

ACADEMIC COUNCIL MEETINGS

78th meeting of Academic Council held on 16.07.2021
79th meeting of Academic Council held on 7.6.2022
80th meeting of Academic Council held on 13.05.2023

FINANCE & PLANNING COMMITTEE MEETINGS

84th meeting of F&PC held on 04.09.2021
85th meeting of F&PC held on 14.05.2022
86th meeting of F&PC held on 01.10.2022
87th meeting of F&PC held on 16.04.2023
88th meeting of F&PC held on 30.05.2023

Outreach Activities

CHAPTER 17

UET Peshawar Hosts Second Alumni Reunion Dinner

The University of Engineering and Technology, Peshawar held its second Alumni Reunion Dinner on February 20, 2023. The event was organized under the auspices of the UET Peshawar Alumni Association, with the Vice Chancellor presiding over the ceremony. A large number of alumni attended the gathering, reconnecting with their peers and reminiscing about their time at the university.The Vice Chancellor extended a warm welcome to the attendees, while distinguished alumni shared their experiences and reflections. President of the UET Alumni Association, Engr. Gul Bahadar, expressed gratitude to the members for their dedicated efforts and contributions, delivering the vote of thanks.The event also garnered significant media coverage, with leading outlets such as PTV, AVT Khyber, and others in attendance. The reunion served as a source of inspiration, encouraging alumni to remain engaged and contribute towards the advancement of future generations.

UET Media outreach activities

The "UET Media" ensured a wide coverage of UET Peshawar's official activities in print and electronic media. During the reporting period more than 200 events have been covered in print and electronic media, 250 various advertisements published in national dailies, organized various international/national conferences, have published multiple weekly feature in national dailies. Under outreach activities the Directorate participated in four education expos including Beaconhouse School System Khyber Campus Students Fair 2022, City School University Fair 2021 & 2022, Dawn Education 2023 and The News (Jung Media Gourp) Eduction Expo 2023, published Undergraduate Prospectus, Postgraduates Prospectus (2022-23 & 2023-24), Annual Report 2019-20, issue of Newsletter (Jan - Dec

2022) and UET Peshawar SDG's Media Report 2021. The Directorate of Media & Publications planned and successfully executed social media campaign for Undergraduate and postgraudate admissions 2021-22 and 2023-24. Executed the branding and marketing component of University under the Vice Chancellor's Strategic Vision plan.

Tree Plantation Drives

Tree plantation drives for spring and Fall during the years 2022 & 2023 were launched at UET Peshawar. The Vice Chancellor faculty members and students planted saplings at various locations in the University to mark the drive. The plantation drives were part of **Clean and Green Pakistan** initiative. The Vice Chancello, senior officials, faculty members and students planted saplings on campus during these campaigns. The Vice Chancellor 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.

Gems & Jewelry Center of Excellence

- 160 Students have successfully completed the diploma of Gemology
- 80 tudents have successfully completed the diploma of Lapidary

Litigation

CHAPTER 19

On-going and Decided Cases (Civil & Session Court) Peshawar

S.No.	TITLE OF CASE	STATUS
1	UET v/s Muhammad Tahir	On-going
2	UET v/s Muhammad Irfan	On-going
3	UET v/s Iftikhar Ahmed Khattak	On-going
4	UET v/s Samina Arif	On-going
5	UET v/s Munawar Khan	On-going
6	UET v/s Naveed Aslam	On-going
7	UET v/s Dr. Imtiaz Ali Shah	On-going
8	UET v/s Muhammad Arshad	On-going
9	UET v/s Sohail Akber	On-going
10	UET v/s Engr. Sobia Iqbal	On-going
11	UET v/s Qazi Raza ur rehman	On-going
12	Qazi Raza-ur-Rehman v/s UET	Decided in favour of UET
13	UET v/s M.Noman Kaka khel	On-going
14	UET v/s Engr. Talha Zahir	On-going
15	UET v/s Najaf Ali	On-going
16	UET v/s Qaiser Gul	On-going
17	UET v/s Bilal Habib	On-going
18	UET v/s Ahmed Ali	On-going
19	UETv/s Malak Umer Sharif	On-going
20	UET v/s Mehmood Alam Khan	On-going
21	UET v/s Sikandar Khan	On-going
22	UET v/s Ihsan Ullah	On-going
23	UET v/s Waseem Ahmed	On-going
24	UET v/s Sheikh Imran	On-going
25	UET v/s Zia Ullah	On-going
26	UET v/s Jalal Ali	On-going
27	UET v/s Miss.Rabia Shahid	On-going
28	UET v/s Nadeem Khan	On-going
29	UET v/s Muzamal Arshad	On-going
30	UET v/s Imran Fazal	On-going
31	UET v/s Imran Ashraf	On-going
32	UET v/s Hamza Shakeel	On-going
33	UET v/s Awais Khawar	On-going
34	UET v/s Hasan Ali	On-going
35	UET v/s Essa Khan	On-going
36	UET v/s Shah Nasir	On-going
37	UET v/s Syed Raza Gillani	On-going

S.No.	TITLE OF CASE	STATUS
38	UET v/s Rizwan Habib	Decided in favour of UET
39	UET v/s Taimoor Gandapur	On-going
40	UET v/s Moeen-ud-din	On-going
41	UET v/s Shoaib Khan	On-going
42	UET v/s Mustafa Bari	On-going
43	UET v/s Muhammad Akbar	On-going
44	UET v/s Syed Kamran Ayub	On-going
45	UET v/s Saeed Ahmed	On-going
46	UETv/s Imran Ahmed	Decided in favour of UET
47	UET v/s Mustafa Kamal	On-going
48	Engineer Aman Ullah v/s UET	Decided in favour of UET
49	UET v/s Ameer Sardara/Faryal Azmat	Decided in favour of UET
50	Kamran Ayub v/s UET	On-going
51	UET v/s Fariduddin	On-going
52	UET v/s Faryal Azmat	On-going
53	UET v/s Engineer Aman Ullah	Decided in favour of UET
54	Imran Ashraf v/s UET	On-going
55	Imran Fazal v/s UET	Decided in favour of UET
56	UET v/s Umar Imtiaz Gillani	On-going
57	UET v/s Bilal Ahmad	On-going
58	UET v/s Taimoor Usman	On-going
59	UET v/s Bilal Farooq	On-going
60	UET v/s Naveed Ahmad	On-going
61	UET v/s Owais Muhamudi	On-going
62	UET v/s Ikram Ullah	On-going
63	Farman Ali v/s UET	On-going
64	Rustam V/s UET	On-going
65	Abid Ali V/s UET	On-going
66	UET v/s Majid Ali	On-going
67	Dr. Nasir Ahmad v/s UET & others	Decided against UET
68	Irshad Ahmad & others v/s UET Pesh	On-going
69	UET v/s Waleed Shahjehan	On-going
70	Inayat Ullah v/s UET Peshawar	On-going
71	Nek Muhammad v/s UET Peshawar	On-going
72	UET Peshawar v/s PESCO	On-going
73	Mst. Kishwar Sultan v/s UET Peshawar	On-going
74	Mian Inshallah v/s UET Peshawar	On-going

On-going and Decided Cases (High Court) Peshawar

S.No.	TITLE OF CASE	CASE NO	STATUS
1	PUTA v/s UET Peshawar	W.P No.1518-P/2017	On-going
2	Sikandar Hayat v/s Vice Chancellor	WP NO.685-P/2018	Decided in favour University
3	M. Zubair and others v/s UET Peshawar	WP NO.3584/2018	On-going
4	Sheraz Khan v/s Registrar UET Peshawar	WP NO.3780-P/2018	Decided against University
5	Abdul Qayum V/S V C UET Peshawar (Bannu)	WP NO. 332-B/2015	Decided (Withdrawal)
6	Asmat Ullah Marwat v/s UET Peshawar	WP NO.4913/2018	Decided in favour University
7	Ahmad Murad v/s UET Peshawar	WP NO.1163/2018	On-going
8	Dil Nawaz Khan System Administrator v/s Vice Chancellor	WP NO.1835/2018	Decided
9	Sanam Rehman v/s UET	W.P No.948/2019	Decided in favour University
10	Dr. Owais Mehmoodi v/s UET Peshawar	W.P No.2418-P/2019	Decided in favour University
11	Dr. Farooq Ahamd v/s UET Peshawar	WP NO.3880/2018	Decided in favour University
12	Khitab Gul Safi & Other v/s Vice Chancellor	WP NO.5180-P/2017	Decided in favour University
13	Muzaffar Abbas Shah v/s UET Peshawar (Abbottabad)	WP NO.327-A/2017	On-going
14	Amir Ullah Khan v/s UET Peshawar (Bannu)	W.P No. 247-B/2019	On-going
15	Athar Hussain v/s UET	W. P. No.4462-P/2019	Decided against University
16	Dr. Muhammad Mustafa Kamal v/s UET	W. P. No.4312-P/2019	On-going
17	Dr. Nasim Ullah v/s UET	W. P. No.4591-P/2019	Decided in favour University
18	Sardar Ali & Others v/s UET	W. P. No.4338-P/2019	On-going
19	Muhammad Shoaib v/s UET Peshawar	W. P. No.4876-P/2019	On-going
20	Ubaid Ullah v/s Vice Chancellor	COC. No.505-P/2019	Decided against University
21	Muhammad Ali v/s UET	COC. No. 404-P/2019	Decided Against University
22	Dr. Murtaz Ali v/s The Secretary HED and others	W.P. No.3447-P/2019	Decided in favour University
23	Kiramat Ullah v/s V C UET & others	W.P. No.5068-P/2019	On-going
24	Raham Sher & Other v/s UET	W. P. No.5920-P/2019	On-going
25	UET v/s Samira Hayat	CR. 1164-P/2019	On-going
26	Sohrab Khan v/s UET	W.P No.6334-P/2019	Decided in favour University
27	Shams Ul Khaliq v/s UET	W.P No. 7481-P/2019	Decided in favour University
28	Gul Zaman & Other v/s UET & Others	W. P No. 1559-P/2020	Decided against University
29	Engr. Nayyar Fazal v/s V C UET	W. P No. 2112-P/2020	On-going
30	Muhammad Askar v/s V C & Others	W. P No.2534-P/2020	Decided against University
31	Mr. Maqbali Khan v/s UET	W.P No.2747-P/2020	Decided in favour University
32	Daim Khan v/s UET	W.P No.2814-P/2020	Decided against University
33	Mohsin Iqbal Qazi v/s UET	W.P No.2907-P/2020	Decided in favour University
34	Zakir Ullah v/s UET	W.P No.2979-P/2020	On-going
35	Muhammad Anab & other v/s UET	W.P No.1973-P/2020	Decided in favour University
36	Siraj Ud Din v/s UET (Bannu)	W.P No.515-B/2020	Decided in favour University
37	Alia Hakim v/s UET	W.P No 3021-P/2020	Decided in favour University
38	Arif Waqas Ahmad v/s V C UET & others	W.P No. 3688-P/2019	Decided in favour University

39	Mian Gohar Ali Shah v/s Govt of KPK	W.P No.4748-P/2020	Decided against University
40	Raza ullah v/s Vice Chancellor UET	W.P No.4812-P/2020	Decided (referred to Syndicate)
41	Bazmir Khan v/s University of Engineering	WP. No.4353-P/2020	Decided in favour University
42	Dr. Nisar Muhammad V/s UET	W.P No. 4855-P/2020	decided in favour University
43	Muhammad Anwar Khan v/s UET	W.P No.5326-P/2020	decided in favour University
44	Dr. Ikram ullah v/s Vice Chancellor UET	W.P No.144-P/2021	On-going
45	Muhammad Imran v/s UET	W.P No. 550-P/2021	On-going
46	Sida Hussain v/s Vice Chancellor UET	W.P No.580-P/2021	decided in favour University
47	Muhammad Kazim Khan v/s UET	W.P No. 769-P/2021	Decided in favour University
48	Saeed Ahmad v/s UET	W.P No.846-P/2021	On-going
49	Engr. Waqar Ahmad & Others v/s UET	W.P No.1560-P/2021	Decided in favour University
50	Sohail Ahmad v/s Pakistan Council	W.P No.2090-P/2021	Decided in favour University
51	Imran Khan v/s Vice Chancellor UET	WP No.3559-P/2021	On-going
52	Muhammad Zohaib Khan v/s UET	COC No.74-B/2021	On-going
53	Lehaz Ullah Shah v/s UET	W. P No.4268-P/2021	On-going
54	Engr. Kamran Ahmad v/s VC UET	W.P No.4114-P/2021	On-going
55	Dr. Nasru Minallah v/s VC UET Peshawar	W.P No.239-P/2022	On-going
56	Dr. Nasir Ahmad v/s VC UET Peshawar	W.P No.352-P/2022	On-going
57	Usman Khan & others v/s UET	W.P No.517-P/2022	On-going
58	Mst. Maheen Farid v/s DA UET Peshawar	W.P No.971-P/2022	On-going
59	Akbar Farooq v/s UET Peshawar	W.P No.1721-P/2022	On-going
60	Khaleeq Ullah v/s Director Admission	W.P No.1923-P/22	On-going
61	Ilyas Shah v/s Vice Chancellor UET & others	W.P No.415-A/2022	On-going
62	Dr. Marjan Ud Din v/s UET Peshawar	WP No.3346-P/2022	On-going
63	Tayyab Jan Library Assistant v/s UET Peshawar	WP No.3196-P/2022	On-going
64	Dr. Ayaz Ahmad v/s UET	WP No.3883-P/2022	On-going
65	Bilal Khan & others v/s Vice Chancellor UET & others	W.P No. 4259-P/2022	On-going
66	Shayan Anwar & others Vs/ Vice Chancellor UET Peshawar	WP No.4202-P/2022	On-going
67	Maqbali Khan v/s UET Peshawar	WP No.4485-P/2022	On-going
68	Arif Ullah Azhar v/s UET	W.P No.4373-P2022	On-going
69	Muhammad Ishaq & others v/s UET Peshawar	W.P No.4805-P/2022	On-going
70	Rahim Shah Akhunkhail v/s UET	W.P No.20-P/2023	On-going
71	Dr. Nasir Ahmad v/s UET	C.R No.903-P/2022	On-going
72	Dr. M. Inayatullah Khan v/s UET & others	W.P No.637-P/2023	On-going
73	Dr. Naeem Khan & others v/s Vice Chancellor UET & others	W.P No.262-B/2023	On-going
74	Naseeb Nawaz v/s V C UET & others	W. P No.233-B/2023	On-going
75	Javed Ahmad & Others v/s V C UET & others	W. P No.2423-P/2023	On-going
76	M/S Liaison Corporation Pvt Lted v/s UET Peshawar	W.P No.1712-P/2023	On-going

On-going and Decided Cases (Supreme Court of Pakistan)

S.No.	CASE NO.	TITLE OF CASE	STATUS
1	CPLA NO.2501/2018	UET Peshawar v/s Imtiaz Ahmad	On-going
2	CP No.	UET v/s Arif Ullah Azhar	On-going
3	CP No.1378/2020	UET v/s Gohar Aziz & Others	Decided in favour University
4	CP No.1379/2020	UET v/s Adnan Nawaz & Others	Decided in favour University
5	CP No.1515/2020	UET v/s Haseen Ullah Jan	Decided in favour University
6	CP No.1519/2020	UET v/s Jamal Nasir	Decided in favour University
7	CP No.1383/2020	UET v/s Wajid Ali & Others	Decided in favour University
8	CP No.1384/2020	UET v/s Seemab Gul & Others	Decided in favour University
9	CP No.1380/2020	UET v/s Ihsan Ullah & Others	Decided in favour University
10	CP No.1382/2020	UET v/s Sajid Khaleeq	Decided in favour University
11	CP No.1516/2020	UET v/s Syed Babar Abbas & Others	Decided in favour University
12	CP No.1518/2020	UET v/s Gulandam Farhat	Decided in favour University
13	CP No.1517/2020	UET v/s Mukhtair Ayaz & Others	Decided in favour University
14	CP No.1381/2020	UET v/s Iqbal Ud Din	Decided in favour University
15	CP No.1385/2020	UET v/s Sara Islam	Decided in favour University
16	CPLA NO.185-P/2020	UET v/s Dr. Noor Muhammad	On-going
17	CPLA NO.2812/2019	Engr. Saima Hussan v/s UET	On-going
18	CPLA No74/2021	UET v/s Engr. Dr. Khizar Azam	Decided against University
19		UET v/s Mian Gohar Ali Shah	On-going
20		UET v/s Sheraz Khan	On-going
21		UET v/s Muhammad Askar	On-going
22		UET v/s Daim Khan	On-going
23		UET v/s Dr. Nisar Muhammad	Decided in favour University

Recovery from Absconded Scholars

UET Peshawar is cognizant of the fact that scholars who are sent abroad to pursue Ph.D in their relevant fields return on time and serve the institution. However, in case of absconded scholars, UET Peshawar takes legal action to recover money that is spent on their education. During the reporting period the University recovered **Rs. 113 million** from the absconded scholars.

Vision

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

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.

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