



UET

NEWSLETTER



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UNIVERSITY OF ENGINEERING & TECHNOLOGY, LAHORE

MESSAGE FROM THE VICE CHANCELLOR



As Vice Chancellor of UET, I am committed to enhancing the academic and research environment across all our campuses. Our mission is to equip students with cutting-edge skills and knowledge that align with the rapidly changing global landscape. We are focusing on key areas such as Artificial Intelligence (AI), Data Science, Renewable Energy, and Cyber security, ensuring

our students' preparedness for the challenges of tomorrow.

UET is dedicated to fostering a research-driven culture, for faculty and students collaboration on innovative real-world issues. We are also working to strengthen our industry partnerships, enabling more opportunities for internships, training programs, and collaborative research. This will not only improve employment opportunities for our graduates but shall also enhance UET's role as a critical contributor to national technological development.

To further boost UET global rankings, we shall be introducing initiatives aimed at upgrading our infrastructure, modernizing our labs, and expanding our academic offerings, including Postgraduate Diploma Programs, Associate Degree Program and industry-relevant workshops. By doing so, UET will continue to uphold its tradition of excellence while adapting modern educational trends.

Together, we will ensure, UET remains a leader in engineering education and research.

Prof. Dr. Shahid Munir

Vice Chancellor, UET Lahore

CAMPUS NEWS

Prof. Dr. Shahid Munir Assumes Charge as 19th Vice Chancellor of UET Lahore

Prof. Dr. Shahid Munir has officially taken charge as the 19th Vice Chancellor of the University of Engineering and Technology (UET), Lahore. His appointment was approved by the Chief Minister based on the recommendations of the Search Committee, as conveyed through a notification issued by the Higher Education Department. Dr. Shahid Munir will serve as Vice Chancellor for a four-year term. The formal handing over of charge took place on September 23, 2024, with the Pro Vice Chancellor Prof. Dr. Nasir Hayyat, officially transferring the responsibilities. Deans, Chairpersons of Academic and Administrative departments, and Faculty warmly welcomed Dr. Shahid Munir.

On this occasion, Dr. Shahid Munir expressed his pride in being chosen to lead Pakistan's oldest engineering university. He pledged to utilize all his skills to enhance the academic the financial strength of the university. He further emphasized upon serving UET community in the areas of research and development, state-of-the art educational facilities and research driven culture.



Kenyan Diplomats Visit UET Lahore to Discuss Opportunities for Kenyan Students



A delegation from Kenyan Embassy, conducted meeting with Registrar to discuss about opportunities and facilities for Kenyan students at the university. The delegation led by Deputy Head of Mission Mr. Daniel Nganda, included prominent officials of Kenyan Embassy namely Mr. Soita Khwatenge, Mr. Rasam J. Masoud, and Mr. Hussein Dida. Mr. Raees Alam, Commercial Manager at the Kenyan Consulate in Lahore also accompanied the delegation. The meeting aimed to explore opportunities for enhancing cooperation and increasing the enrollment of Kenyan students at UET.

Senior Warden Prof. Dr. Muhammad Mushtaq, and International Students Advisor Dr. Amna Niazi, were also present. Valuable insights related to improving the experience for Kenyan students and facilitating their integration into the university community were shared in this meeting. As a gesture of goodwill, the Registrar presented university souvenirs to the visiting diplomats, symbolizing the strengthening ties between UET and the Kenyan Embassy.

GIKI and UET Lahore Signed MoU for Enhanced Academic and Research Collaboration

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) and the University of Engineering and Technology (UET) Lahore, have signed a Memorandum of Understanding (MoU) to strengthen collaboration in areas of engineering, science, and technology. This agreement aims to foster joint research, academic exchanges, and collaborative training programs. Key areas of focus include Machine Learning, Artificial Intelligence, Data Sciences, Blockchain, Cybersecurity, and Digital Twins. The institutions will also co-organize conferences, seminars, and workshops, and engage in joint research projects. Vice Chancellor UET Lahore Prof. Dr. Nasir Hayat, emphasized the MoU's potential to drive innovation for addressing contemporary challenges. Rector GIKI Prof. Dr. Fazal Ahmad Khalid highlighted the opportunities for enhanced learning and research experiences for students and faculty and signed the documents in the presence of Deans of Faculty, Director External Linkages, Director KICS, Director Student Affairs, and Registrar UET Lahore.



Flag Hoisting Ceremony marks 77th Independence Day of Pakistan at UET Lahore



The University of Engineering and Technology (UET) Lahore celebrated Pakistan's 77th Independence Day with a vibrant flag hoisting ceremony.

Vice Chancellor UET Lahore Prof. Dr. Nasir Hayat served as the Chief Guest, inaugurating the ceremony with the hoisting of the national flag. The event witnessed a significant turnout, including Deans of Faculty, Chairpersons, the Registrar, Controller of Examinations, PRO, DSA, Director KICS, Academic and Administrative Staff, and large number of students.

During the ceremony, best Urdu and English essay write-ups were awarded certificates by DSA Office. The event concluded with a cake-cutting ceremony, planting of saplings, and special prayers for peace and prosperity of Pakistan.

UET's Foreign Students Receive Hospitality from Administration

In connection with Eid ul Adha celebrations, University of Engineering & Technology (UET) Lahore organized a lunch in honour of its international hostel students. Vice Chancellor UET Lahore Prof. Dr. Nasir Hayat, All Deans, Registrar Muhammad Asif, Treasurer Imran Babar, Senior Warden Prof. Dr. Muhammad Mushtaq, Director Student Affairs, PRO Shahida Nazir and students attended the event. The international students expressed their enthusiasm and gratitude during their luncheon engagement with the Vice Chancellor and administrative officers.



Documentary on Educational facilities in UET by Discover Pakistan TV Channel



https://www.youtube.com/watch?v=4dHFhSz3XdM&ab_channel=DiscoverPakistan

FACULTY NEWS

Generative AI Bootcamp Graduation Ceremony at UET



Computer Science Department UET Lahore in collaboration with Xavor Corporation, successfully concluded the 12-week Generative AI Bootcamp in 2024 with a grand graduation ceremony. Led by Prof. Dr. Usman Ghani, Chairperson Computer Science Department and Director NCAI, the bootcamp aimed to equip students with advanced skills in Generative AI, focusing on real-world applications across healthcare, education, and business sectors.

The bootcamp received 120 applications and 40 students were selected after a rigorous interview process. Over the course of 12 weeks, participants received hands-on training in cutting-edge technologies, including fine-tuning large language models (LLMs), natural language processing (NLP), and Generative AI project development. Participants' success not only demonstrates personal commitment, but also proves the bootcamp's effectiveness to transform aspiring developers into industry-ready professionals.

Students completed 14 high-quality, end-to-end AI projects, addressing real-world challenges. Notably, 40% of the Department of Computer Science's final year projects now incorporate Generative AI, marking a transformative shift in academic research. Additionally, 8 AI-powered healthcare projects were developed in collaboration with University of California Irvine (UCI) nurses, demonstrating the bootcamp's interdisciplinary approach.



The ceremony was attended by notable figures, including Dr. Waqar Mahmood, Director KICS, Mr. Hussain Bhatti from Xavor, and UET alumni Niaz Siddiqui (67-UET). The event also celebrated Oracle Cloud Infrastructure Generative AI Professional Certifications for 15 students. This bootcamp represents a significant milestone in AI education at UET, paving the way for future innovations and research collaborations.

Computer Science Department at UET New Campus Hosted Orientation Event

The Computer Science Department at UET New Campus hosted a vibrant orientation event on September 2, 2024, marking an exciting start to the Fall semester. The event introduced students to the university's infrastructure, key resources, and the eminent professors for their illustrious academic journey. A detailed curriculum breakdown helped set clear expectations, while the safety guidelines and emergency procedures ensured everyone understood the importance of safety protocol on campus.



The session highlighted financial aid opportunities and encouraged students to take advantage of the university's sports facilities, promoting a healthy, balanced lifestyle. A hands-on demonstration of the Learning Management System (LMS) equipped students with the tools they need to stay organized and engaged for their coursework. The day concluded with an interactive Q&A session with department leaders, followed by a comprehensive tour of the campus, leaving students feeling informed, supported, and excited for the year ahead.

Faculty of Civil Engineering

One Day International Seminar on Environment Friendly Cement-less Concrete for Future Constructions in Pakistan: Geopolymer Concrete, in UET Lahore.



Civil Engineering Department, University of Engineering and Technology, Lahore organized one-day international seminar on Environment Friendly Cement-less Concrete for Future Constructions in Pakistan: Geopolymer Concrete- A Sustainable Solution as a part of HEC funded China Pakistan Economic Corridor (CPEC)- Collaborative Research Grant to disseminate the findings of the first two years of the research project. Engineers from academia and industry, post graduate and under

graduate students, and researchers from University of Wollongong Australia, University of Sialkot, University of Sargodha and NFC Institute of Engineering and Fertilizer Research participated in this seminar.

In his welcome note, Chairperson Civil Engineering, Prof. Dr. Noor Muhammad Khan highlighted the importance of sustainable construction in Pakistan, and the recent achievements of the department in the fields of teaching, research and innovation. Moreover, he appreciated the efforts of Dr. Qasim Shaukat Khan (Principal Investigator) and Prof. Dr. Asad Ullah Qazi (Co-Principal Investigator) and their team in organizing seminar, for the renowned researchers, practitioners and students to share their views. The Chief Guest, Prof.



Dr. Zahid Ahmad Siddiqui in his inaugural speech signified the need of new construction materials and technologies in construction industry and emphasized the importance of role of academia in addressing the challenges in construction industry. The PI of CPEC-CRG, Dr. Qasim Shaukat Khan provided the details of the various completed experimental works of the project and briefed the audience about the main findings of the first two years of the project. Moreover, the information about the future works to be carried out in the final year of the project was also shared with the audience of the seminar.

In the concluding remarks of the inaugural session, Dean Faculty of Civil Engineering Prof. Dr. Khalid Farooq, highlighted various UN Sustainable Development Goals (SDGs) addressed by this research project. Moreover, Prof. Dr. Khalid Farooq highlighted the significance of the sustainable construction materials and techniques in the construction industry. Furthermore, Prof. Dr. Khalid Farooq appreciated Dr. Qasim Shaukat Khan (PI) and Prof. Dr. Asad Ullah Qazi (Co-PI) in involving 2 Ph.D. scholars, 8 M.Sc. students and 4 Final Year Design Project students at various stages in the first two years of this research grant. In the technical session, the key speakers Prof. Dr. Muhammad N. S. Hadi from Australia, Assistant Director Academics, University of Silakot Engr. Muhammad Numan, Dr. Mubashir Ajmal from University of Sargodha, Dr. Shehroze Ali from NFC Institute of Engineering and Fertilizer Research and Engr. Zukhruf Ijaz from UET Lahore highlighted the environment friendly nature of geopolymers to address global warming and climate change issues. The speakers also highlighted the beneficial material and structural aspects of cement-less concrete/ geopolymers as an alternate for ordinary Portland Cement Concrete in the construction industry.

At the end of the technical session, Prof. Dr. Asad Ullah Qazi provided the summary of the research findings and the importance of cement-less concrete for future constructions in Pakistan. Prof. Dr. Asad Ullah Qazi applauded all the presenters for their valuable talks in the technical session of the seminar. Afterwards, the worthy Vice Chancellor University of Engineering and Technology Lahore Prof. Dr. Nasir Hayat, Dean Faculty of Civil Engineering Prof. Dr. Khalid Farooq and Chairperson Prof. Dr. Noor Muhammad Khan distributed the shields amongst the PI, Co-PI, presenters and ICE students.

Faculty of Chemical, Metallurgical & Polymer Engineering

Chemical Security Risk Assessment Workshop



Sandia National Laboratories, in collaboration with Ministry Foreign Affairs Pakistan and Chemical Engineering Department UET Lahore sponsored by the U.S. Department of State's Chemical Security Program (CSP), organized a three-day, in-person workshop on Chemical Security Risk Assessment at Chemical

Engineering Department UET Lahore. 80 students from Chemical Engineering Main Campus, New Campus and Chemistry Department along with Faculty attended the workshop.

Participants were engaged in hands-on activities, case studies, and presentations on crucial topics such as material control and accountability, physical security, information security, and personnel reliability. This workshop was designed to equip participants with the skills needed to assess chemical security risks and their application at their respective facilities.

Dr. Andrew Nelson , Dr. Marry Beth Mulchy, Dr. Christine Straut, Ms. Saima Shezad, Lt. Col Naveed Alam, Mr. Shahubdin and Dr. Naveed Ramzan were the resource persons. Prof Dr. Nasir Hayat Vice Chancellor UET Lahore was the chief guest in the certificate distribution ceremony. The Vice Chancellor appreciated the resource persons from Sandia National Laboratory , MoFA Pakistan and applauded the efforts of Chairperson Chemical Engineering Dr. Hafiz Zaheer Aslam and Dr. Naveed Ramzan for successful execution of the event.



Faculty of Natural Sciences, Humanities & Islamic Studies

China Study Centre, UET, Lahore Organized Book Launch Ceremony



The China Study Centre at the University of Engineering and Technology (UET), Lahore, recently published two books titled:

"Beyond Silk Routes: The Future and Multifarious Impact of CPEC"

"Forbidden City Unravelling: Pakistanis' Accounts of Dwelling in China and Carving out New Paths."

A book launch ceremony was held to celebrate this accomplishment, which also marked the closing of the China Study Centre project. The event was organised by the Editor of these books - Dr. Mehvish Riaz, who is also serving as Director China Study Centre. Professor Dr. Nasir Hayat, Vice Chancellor of UET Lahore, presided over the ceremony as the Chief Guest. Deans of Faculty and Chairpersons of various departments also graced the occasion with their worthy presence. In the education sector, the role played by the Higher Education Commission of Pakistan as well as China and Pakistan Study Centres established at different universities is noteworthy.

"Beyond Silk Routes" highlights Pakistan and China joint efforts, for mega-infrastructure projects, highways, ports, railways, and digital infrastructure, laying the foundation for sustainable economic growth and regional connectivity. The book, consists of 12 chapters, with key topics, such as cultural importance of China Study Centre UET, Lahore; digital transformation in higher education between IIOE-HEI and UET Lahore; social and infrastructural contribution of Orange Line Metro Transit System; nexus of CPEC, SDGs and Higher Education; trade between Pakistan and China; defence diplomacy; cultural diplomacy; Chinese as a foreign language in Pakistan; properties of Port Qasim GPC, and diverse effects and issues of CPEC.

The other book "Forbidden City Unravelling" highlights the experiences of Pakistani students and professionals during their visits to China. It draws attention to the opportunities for tourism and collaboration between China and Pakistan. The participants of the ceremony emphasized that the publication of the books and successful completion of the project serve as a testament to the enduring spirit of collaboration and partnership between Pakistan and China.

Al Khwarizmi Institute of Computer Science (KICS) Comprehensive Workshops on Artificial Intelligence (AI) and Generative AI Practices for Faculty organized by Al-Khwarizmi Institute of Computer Science (KICS) and Computer Science Department



The University of Engineering and Technology (UET) successfully organized workshops on Artificial Intelligence (AI) and Generative AI, from July-August 2024. This initiative was a collaborative effort by Al-Khwarizmi Institute of Computer Science (KICS) and the Computer Science Department, with the strong support of UET alumni. The workshop was designed to equip faculty from six different departments, with

essential knowledge of AI fundamentals, practical skills in Machine Learning (ML), Deep learning (DL), and Generative AI technologies.

The workshop covered four main sessions:

- AI Fundamentals
- Hands-on Machine Learning
- Deep Learning
- Introduction to GenAI and hands-on practices.

Participants gained practical experience through interactive exercises, ML/DL models, and AI algorithms for real-world problems. This hands-on approach helped attendees explore AI practical applications in solving complex challenges across various industries and academic disciplines.



KICS played a crucial role in facilitating collaboration between UET faculty, industry experts, and students. The institute provided technical expertise and infrastructure needed for the successful execution of the workshop. Director KICS, Dr. Waqar Mahmood, was instrumental in guiding the sessions, ensuring participants received high-level technical knowledge and practical insights into AI's evolving landscape. KICS also fostered a collaborative learning environment for sharing ideas, experiences, and AI's potential.

Chairperson Computer Science Department, Dr. Usman Ghani, played a key role in shaping the curriculum and ensuring the technical rigor of the workshop. The department contributed significantly to developing the content and structure of the sessions, by adding interactive coding exercises, model building, and AI project discussions. Faculty was readily available to provide guidance and feedback, ensuring participants gained a thorough understanding of the concepts.

UET alumni, Niaz Siddiqui's valuable contributions and insightful guidance, especially in facilitating discussions on the practical applications of AI, helped bridge the gap between academic learning and industry requirements.

In addition to technical skills, the workshop also emphasized the importance of AI in shaping future technologies. Participants were introduced to generative AI models like ChatGPT and DALL-E, for the creation of new content, such as text, images, and videos. The ethical implications of AI, including issues of biasness, privacy, and transparency, were also discussed to ensure participants understood responsible AI practices.

S.NO	Faculty	Number of Participants
1	Faculty of Earth Sciences & Engineering.	16
2	Faculty of Architecture & Planning.	20
3	Faculty of Natural Sciences, Humanities & Islamic Studies.	23
4	Faculty of Civil Engineering.	22
5	Faculty of Mechanical Engineering.	10
6	Faculty of Chemical, Metallurgical & Polymer Engineering.	To be scheduled in October 2024
7	Total	91

In conclusion, the workshop was a resounding success, providing participants the knowledge and practical AI tools for their academic and professional settings.

UET Hosts Summer Bootcamp 2024 for Aspiring Tech Professionals

The University of Engineering & Technology (UET) Lahore, in collaboration with the National Centre of Artificial Intelligence (NCAI) at KICS, successfully conducted 12-week Summer Bootcamp from June-August 2024. The bootcamp provided a unique opportunity for students to gain practical skills, preparing them for careers in high-demand technology sectors.

Following the success of the 2023 bootcamp, this year's program targeted FSc/FA and BSc/BA & UET students, focusing on bridging the gap between academia and industry. The training included 10 weeks of technical education, followed by two weeks workshops on:

“GenAI Tools for Professional Skills” by Ms Sadia Gondal (Asst. Prof.- Humanities and Social Sciences UET Lahore)

· “Entrepreneurship” by Mr. Farhan Riaz (Program Manager-Technology Incubation & Commercialization Center UET Lahore).

The courses, conducted by industry professionals and UET Faculty, covered essential topics such as:

Course Offered	Class Room Students	On-Line Students	Total
AI / Data Science	50	10	60
Gen AI	14	3	17
Fundamentals of Programming	27	4	31
Mern Stack Development	26	3	29
Web Development ASP.NET	9	0	9
Web Development Laravel	9	2	11
Digital Marketing	52	9	61
Total Students	187	31	218

In total, the bootcamp catered 218 students, both on-campus and online, offering them access to state-of-the-art learning environments and resources through UET's smart classrooms and digital platforms. Training material was provided via MS Teams, and course recordings were accessible on YouTube and UET's TV channel.

The bootcamp was a testament to UET's commitment to providing industry-ready education with necessary skills to thrive in the global tech landscape.

For more information about upcoming training opportunities, visit [UET AI Trainings](#) or [contact the training team via email at aitrainings@uet.edu.pk](mailto:aitrainings@uet.edu.pk).



The bootcamp emphasized hands-on learning, with students working on real-world projects. A key highlight was the involvement and patronage of 67 UET alumni, including notable figures like Javaid Haider Chauhan, Ahmed Nawaz, Sikandar Naqvi, and Niaz Siddiqui.

IIOE National Center at KICS-UET Lahore wins UNESCO Grants for designing International Online Courses for capacity building of Higher Education Personnel



In order to equip Higher Education Teaching Personnel with the digital competencies and empower them with AI and Gen AI Tools in Education and to contribute to the mission of digital transformation of Higher Education, UNESCO International Centre for Higher Education Innovation (ICHEI), has awarded grant to UET faculty for designing Micro Certification Course for

Educators on “Building Student Engagement and Communication with Interactive Digital Tools”; KICS UET Lahore, as a pioneering research and innovation hub in collaboration with UNESO ICHEI will provide extensive expertise in AI and GenAI educational technologies for the integration of cutting-edge methodologies and best practices in digital engagement, making the course relevant and impactful for educators worldwide.

- Course Lead: Sadia Gondal (Asst. Prof. Humanities and Social Sciences, UET Lahore)
- Co-Lead: Dr. Salman Fakhar (Asst. Prof. Electrical Engineering, UET Lahore)
- Co-Lead: Asma Khalid (Asst. Prof. Product and Design, UET Lahore)

The team expresses deep gratitude to UET Leadership Prof. Dr. Shahid Munir (VC UET), Prof. Dr. Nasir Hayat (Pro VC UET), Prof. Dr. Shahid Rafique (Dean of Natural Sciences, Humanities, and Islamic Studies at UET Lahore) and Prof. Dr. Waqar Mehmood, Director KICS UET Lahore for their vision, steadfast support and their guidance which has been instrumental in aligning the project with global educational technology standards and modern pedagogies. This international initiative, supported by KICS, is set to enhance UET Lahore's credibility and standing at a global stage by advancing digital innovative teaching and learning tools.

ALUMNI NEWS

UETIANS Lahore Endowment Foundation (ULEFUSA) Organized Soft Skills Training for Summer 2024

UETIANS Lahore Endowment Foundation (ULEFUSA) is a nonprofit organization founded and supported by University of Engineering and Technology Lahore (UET) alumni in USA.



The ULEFUSA's mission is to partner with UET alumni, students, faculty, industry and other partners to enhance UET's educational excellence. Key areas of focus for ULEFUSA – called the Five Initiatives are:

Excellence in Engineering Education, Entrepreneurship and Business Incubation, Active Global Training and Mentoring, Internship Eco-system and Private Sector Needs.

Since developing an internship ecosystem for students at UET Lahore is a top priority for ULEFUSA, there is a need to place UET students as Interns in local and international enterprises. Therefore, ULEFUSA collaborated with Berlitz and launched the inaugural Soft Skills Training Program 2024. The first cohort consisted of 12 students spanning 9 UET Departments. Over a rigorous one-month training and development period, the students' acquired a broad range of professional communication expertise. Majority of these students were placed with local and international companies as Interns.

ULEFUSA Soft Skills Training Certificate distribution ceremony was held at UET, Lahore on September 25, 2024, and attended by Chairpersons of various Departments, certified trained students, industry representatives, Berlitz and Alumni. ULEFUSA Soft Skills Training Certificate distribution ceremony was hosted by ULEFUSA representatives: Mr. Niaz Siddiqui (67-EE), Dr. Salman Iqbal (81-EE) and Mr. Noman Riaz (83-Special-EE).



To learn more about ULEFUSA mission, activities and donations visit <https://www.ulefusa.org>

Memorable Get-together Organized by UET Lahore Alumni in Sydney, Australia



A wonderful get-together of UETians Lahore was held in Melbourne, Australia on October 13, 2024. For the first time in Melbourne, approximately, 50 UETians attended this formal gathering.

"A wonderful get together of UET Lahore Alumni was held in Sydney, Australia.

YouTube video of the event is now available at the following link:



Facebook

<https://www.facebook.com/uetlahore.edu.pk/>



Instagram

https://www.instagram.com/uet_lahore_official/?hl=en



Twitter:

https://twitter.com/uet_official?lang=en



LinkedIn:

<https://www.linkedin.com/school/university-of-engineering-and-technology-lahore>



Alumni Registration

<https://lms.uet.edu.pk/alumni-registration>



UET TV

<https://www.youtube.com/@UET-TV>



UET Website:

<https://uet.edu.pk/>

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