

UET NEWSLETTER

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UNIVERSITY OF ENGINEERING AND TECHNOLOGY LAHORE



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UET LAHORE SHINES IN GLOBAL QS UNIVERSITY RANKINGS



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In the QS World University Rankings subject wise, UET Lahore excelled in Engineering and Technology, achieving a remarkable rank of moving up by 43 places that is from 279 to 236. Moreover, it maintained its position at 179 in the QS Asia Universities Ranking. This year, UET Lahore was ranked in eight subjects, an increase from five in 2023, showing considerable improvement in areas like Electrical & Electronic Engineering, Mechanical Engineering and Computer Science. New rankings were achieved in Mathematics, Business & Management Studies, and Physics and Astronomy, highlighting UET's broadening expertise and its rising prominence on the global stage.

JAPANESE AMBASSADOR H.E. MR. WADA MITSUHIRO VISITS

UET LAHORE FOR MAAP EXECUTIVE COMMITTEE OATH TAKING CEREMONY



The University of Engineering and Technology (UET) Lahore had the distinct honor of hosting Japanese Ambassador, H.E. Mr. Wada Mitsuhiro, on the occasion of the oath-taking Ceremony for the new MAAP Lahore Executive Committee. The esteemed Ambassador was warmly welcomed by Vice-Chancellor UET Lahore Prof. Dr. Nasir Hayat. The newly elected MAAP Lahore Executive Committee

members took their oaths of office in a formal ceremony. The committee was led by Prof. Dr. Khalid Farooq as the Regional Chair, alongwith Dr. Hafiz Muhammad Awais Rashid as the Vice Regional Chair; Dr. Ali Murtaza Rasool as Regional Secretary Coordination; Dr. Ali Ahmed as Regional Treasurer, and Dr. Muhammad Irfan as Regional Secretary Information. Following the oath-taking, an in-depth discussion was held addressing various academic and research-related issues pertinent to Pakistani universities.





The Vice-Chancellor Dr. Nasir Hayat highlighted the importance of enhancing the number of scholarships offered by Japan to Pakistani students, underlining the need for greater educational exchange between the two countries. Addressing the occasion, Prof. Dr. Khalid Farooq emphasized upon the need for establishing an advanced engineering research center in collaboration with leading Japanese universities at UET Lahore. This initiative aims at fostering cutting-edge research and innovation, leveraging the expertise and resources of both nations. He also proposed the idea of developing a Pak-Japan Friendship Garden at UET Lahore. This garden will symbolize the enduring friendship and growing cultural ties between Pakistan and Japan.

To mark the beginning of this significant project, Japanese Ambassador H.E. Mr. Wada Mitsuhiro planted sapling, serving as the first step towards the development of the Friendship Garden on a piece of land designated by UET authority. The visit of Ambassador Mitsuhiro and the subsequent discussions signify a promising step towards strengthening cultural, academic and research collaborations between Pakistan and Japan, aiming for lasting friendship and fostering higher education between the two nations.

FACULTIES NEWS || FACULTY OF ELECTRICAL ENGINEERING

UET LAHORE HOSTS AI SUMMIT 2024 ON ICT & ENGINEERING

Fostering excellence and collaboration in the pursuit of technological advancement, UET Lahore hosted AI Summit 2024 on ICT & Engineering. As Artificial Intelligence (AI) continues to redefine the boundaries of innovation and progress, UET Lahore remains committed to fostering a culture of excellence and collaboration in the pursuit of technological advancement. The event, held at UET Lahore, brought together industry, academia, and public sector to delve into the multifaceted realm of Artificial Intelligence (AI) and its profound implications for Pakistan's technological landscape. With a comprehensive agenda tailored to explore the challenges and opportunities inherent in the rapid advancement of AI, the summit served as a pivotal platform for fostering dialogue, collaboration, and knowledge exchange. Attendees, including faculty and students from various institutes of the country, engaged in insightful discussions and gained invaluable insights into the transformative power of AI across diverse sectors. The opening ceremony was graced by esteemed presence of Prof. Dr. Shahid Munir (Chairperson Punjab Higher Education Commission PHEC), Prof. Dr. Fazal Ahmad Khalid (Rector GIKI), Prof. Dr. Nasir Hayat (Vice Chancellor UET), Engr. Javed Saleem Qureshi, Dr. Sohail Aftab Qureshi, Prof. Dr. Waqar Mahmood (Director KICS) as distinguished guests. The opening session featured enlightening speeches by the distinguished guests, followed by a dynamic panel discussion comprising esteemed panelists from academia and industry.





Addressing the participants, Engr. Javed Saleem Qureshi stated, "In the dynamic realm of modern AI, it's the clarity of vision that will propel us towards a future where AI serves as a force for good, enhancing human capabilities and enriching lives worldwide." According to Rector GIKI, Prof. Dr. Fazal Ahmad Khalid, "We have the opportunity to align ourselves with global standards by embracing modern techniques and

staying updated. This can only be achieved if our graduates, faculty and policymakers actively engage as stakeholders in this journey." In the panel discussion, Dr. Waqar Mahmood, Dr. Atif Alvi, Dr. Ali Hammad, Dr. Ali Raza, Dr. Rizwan Azam, and Ms. Sadia Gondal from the academic sector provided insightful perspectives on the challenges and opportunities presented by AI, whereas Mr. Hussain Bhatti, Mr. Ahmad Manzoor, and Mr. Ehmud Zubair, shared valuable insights from the corporate perspective. The closing ceremony, graced by Dr. Fazal Ahmad Khalid and Engr. Javed Saleem Qureshi, featured closing remarks summarizing the key takeaways from the panel discussion.

GEN AI WORKSHOP FOR UET LAHORE FACULTY

On May 30th, 2024, the University of Engineering and Technology (UET) hosted a groundbreaking workshop on Generative Artificial Intelligence (Gen AI), initially targeting the Faculty of Mechanical Engineering. The event was led by Dr. Waqar Mahmood (Director KICS), Dr. Usman Ghani (Chairperson Computer Science Department) & Niaz Siddiqui, an experienced professional. This initiative marks a significant step in UET's commitment to integrating advanced technological concepts into its curriculum and enhancing the skill set of its faculty and students across all departments.



The workshop provided a comprehensive understanding of AI and GenAI, focusing on their applications and potential in various engineering domains. Interactive sessions covered the fundamentals of AI, machine learning algorithms, and the innovative field of generative AI, involving creating new content based on existing data. The workshop emphasized practical applications, enabling faculty members to explore modern technologies for solving real-world engineering problems.





Dr. Waqar Mahmood and Dr. Usman Ghani contributed their academic expertise, ensuring a well-rounded learning experience for all attendees. Niaz Siddiqui, renowned for his technical expertise and involvement in setting up AI Jazeera's technical infrastructure, shared invaluable insights from his extensive career. His practical approach and real-world examples captivated the audience. Following the success of this initial workshop, UET plans to extend similar training sessions to other faculties, including Earth Sciences & Engineering, Architecture & Planning, Chemical, Metallurgical & Polymer Engineering, Natural Sciences, Humanities & Islamic Studies, Civil Engineering. The aim is to equip faculty members across all departments with the knowledge and skills needed to integrate GenAI into their respective curricula. This interdisciplinary approach ensures that students from various engineering disciplines are prepared to leverage AI technologies in their future careers.

The success of this workshop is a testament to UET's proactive efforts to bridge the gap between academia and industry. By equipping faculty with cutting-edge knowledge and skills, UET aims to foster an environment of innovation and excellence. This event is part of a broader initiative to incorporate AI and GenAI into various engineering disciplines, preparing students to excel in a rapidly evolving technological landscape.

As UET continues to host such impactful events, the institution reaffirms its dedication to advancing engineering education through the integration of emerging technologies. The AI and GenAI workshop serves as a catalyst for future initiatives, inspiring faculty and students alike to explore the endless possibilities of artificial intelligence in their respective fields.

For more information on upcoming workshops and training programs, visit UET's AI Training Portal or contact us at aitrainings@uet.edu.pk. such collaborations in advancing educational and industry goals.

INDUSTRY-ACADEMIA LINKAGES

FACULTY OF MECHANICAL ENGINEERING



Faculty and students from the Mechanical Engineering department at New Campus KSK visited Honda Atlas Manufacturing Unit, highlighting industry-academia collaboration. Led by Dr. Muhammad Farooq and Dr. Faraz Fazal, the first-year BSc Mechanical Engineering class toured Atlas Honda Limited on April 24th, 2024, where they observed the integration of theoretical knowledge with practical industry applications.

During the visit, students explored the production, assembly, quality control, and research and development departments at one of Pakistan's leading motorbike manufacturers. They witnessed the practical application of advanced technology and gained insights from the technical department heads, enhancing their understanding of production and innovation processes. The visit also included a significant discussion between faculty and AHL's senior management about the benefits of ongoing partnerships between academia and industry.

Prof. Dr. Fahad Noor and Prof. Dr. Shahid Imran praised the educational initiative, emphasizing that such industry engagements enrich students' learning experiences and prepare them for their future roles in the industry. They acknowledged the contributions of Dr. Muhammad Farooq, Dr. Faraz Fazal, and the campus coordinator for organizing the tour. The visit concluded with gratitude to AHL's HR and senior technical management for their exceptional hospitality and arrangements, underscoring the value of such collaborations in advancing educational and industry goals.



Faculty of Civil Engineering

International Seminar on Sustainable Cement-less Recycled Aggregate Concrete



Civil Engineering Department, UET, Lahore organized one day international seminar on Development of Cement-less Recycled Aggregate Concrete in Pakistan: A Sustainable Approach as a part of HEC funded National Research Program for Universities- NRPU (P. No. 16682). The Guest of Honour Prof. Dr. Nasir Hayat (VC UET Lahore), Prof. Dr. M. Ilyas (Chief Guest), Prof. Dr. Khalid Farooq (Dean Faculty of Civil Engineering), Prof. Dr. Noor M. Khan (Chairperson Civil Engineering Department), and Dr. Qasim Shaukat Khan (Principal Investigator) signified the importance of sustainable construction materials and technologies in construction industry. Speakers from Australia, Japan and Pakistan highlighted the importance of sustainable construction materials and technologies to address issues related to global warming and climate change. Prof. Dr. Khalid Farooq (Dean Faculty of Civil Engineering) in his concluding remarks appreciated Dr. Qasim Shaukat Khan, Prof. Dr. Asad Ullah Qazi, and Prof. Dr. Noor M. Khan on successful organization of the seminar. At the end, Prof. Dr. Khalid Farooq distributed the shields amongst the PI, Co-PI and presenters.

Faculty of Chemical, Metallurgical & Polymer Engineering

1st Pak Polymer Symposium 2024

Department of Polymer and Process Engineering, University of Engineering and Technology (UET) Lahore organized 1st Pak Polymer Symposium 2024 in Chemical Engineering Seminar Hall at UET Lahore. The Symposium was sponsored by the Pakistan Science Foundation (PSF), Pak Petrochemicals Ltd., and chaired by Prof. Dr. Asif Ali Qaiser. Talking to the Inaugural Ceremony, Prof. Qaiser welcomed the symposium delegates and provided an overview of the day-long program. As the chief guest, Mr. Kashif Anwar, President Lahore Chamber of Commerce & Industries (LCCI) highlighted the importance of strong linkages between industry and academia and applauded the efforts of faculty and Chair of Polymer Engineering Department for establishing meaningful linkages with industry. Prof. Dr. John Verbeek, University of Auckland, New Zealand, delivered Plenary Speech on “A Transdisciplinary Approach to Solving New Zealand's Plastic Waste Problem”. At the end of the ceremony, Vice-Chancellor UET, Prof. Dr. Nasir Hayat distributed shields among the guests. The Dean, Faculty of Chemical Engineering, Prof. Dr. Naveed Ramzan also attended the symposium as a guest alongwith the Dean of Egg. Prof. Dr. Yasir Nawab (NTU Faisalabad), and Prof. Dr. Shahzad Maqsood (Director ITPE, PU). The symposium comprised five technical sessions and a poster competition on the following topics:



1st Technical Session: Product Design and Injection Molding: Prospects and Challenges
 2nd Technical Session: A Sectorial Overview of Pipe and Profile Extrusion Industry
 3rd Technical Session: Design and Recycling Challenges in Flexible Packaging
 4th Technical Session: Advanced Polymer Composites for Industrial Applications
 5th Technical Session: New Materials and Processing Techniques for Elastomers

Delegates from leading industries SPEL, Flex Pac Association, RON Extrusion, Fiber craft composites, Pak Petrochemical, FPCCI, Alka Chemicals, Fiber Craft, Panther Tires, Vital Polymers, Combine Packaging, ERL, Matrix Composites, and PCSIR along with academia attended the symposium. A large number of UET students were also present at the occasion. In the poster competition, out of 20 institutions COMSATS University Islamabad (CUI) secured 1st Position with cash prize of Rs. 25,000 whereas ITPE PU secured second position with Rs. 15,000 as prize money. Concluding the symposium, shields, and certificates were awarded to the organizers and volunteer students.

Faculty of Architecture & Planning

Two Day Exhibition on “Product & Industrial Design”



Two Day Exhibition was held at Product & Industrial Design, UET, Lahore on 30th April & 2nd May, 2024. Our talented students from the 2021 session unveiled their entrepreneurial prowess through the startup businesses and products developed during their project-based learning journey in the subject “Introduction to Management,” guided by Anum Shamshad (Assistant Professor) at the Department of Product and Industrial Design, UET, Lahore.



From conceptualization, and feasibility to execution, these budding entrepreneurs showcased their startups with meticulous details and task division strategies. The turnout was overwhelming, with a huge number of audience pouring in to witness the brilliance of our future business leaders.

SIX-DAYS TRAINING WORKSHOP ON IMPACT EVALUATION OF PUBLIC SECTOR PROJECTS (THEORY AND PRACTICE)

Department of Architectural Engineering and Design organized a Six-Days Training Workshop on Impact Evaluation of Public Sector Projects (Theory and Practice) from February 19- 24, 2024 at Faletti's Hotel Lahore. Training was specifically designed for the officers of Planning and Development Department, Govt. of Balochistan. The participants of the training included: Mr. Manzoor Ahmed (Director General M&E), Mr. Abdul Rahim (Chief of Section),



Mr. Aamir Hussain (Chief of Section), Ms. Shazia Noreen (Chief of Section), Mr. Hammad Faris (Deputy Director Development), Mr. Mohammad Siddique (Research Officer), Lutf Ur Rehman (Director Research Wing), Ms. Rida Munir Khan (Research Officer), Ms. Maria Hadiqa (Research Officer), Mr. Sagheer Ahmed (Research Officer), Mr. Sumeet Kumar (Research Officer), Mr. Muhammad Farooq (Assistant Director Statistics), Ms. Shakila Bibi (Assistant Director Statistics) Ms. Banul (Assistant Director Statistics), Ms. Shabana Yasmeen (Assistant Director Statistics), Mr. Asad Ullah (Research Officer) and Mr. Bourj Ali (Assistant Engineer).

Prof. Dr Sajjad Mubin - Chair of Architectural Engineering Department, UET Lahore organized and served as Resource Person in this training. Training facilitators' included Dr. Rab Nawaz Lodhi, Dr. Nauman Ali, Dr. Muhammad Naveed Tahir from University of Punjab. Mr. Ghazanfar Mubin and Mr. Kashif Saeed were engaged from Govt. of Punjab for providing insight on the significance of monitoring and evaluations, methodology and applications in Public Sector Development Projects.



Faculty of Natural Sciences, Humanities & Islamic Studies

Prof. Dr. Aneela Anwar Receives King's Award for Excellence 2024

This distinguished award highlights Prof. Dr Aneela Anwar's groundbreaking contributions to bio nanotechnology research. Her unwavering dedication not only fosters significant advancements in her field but also serves as an inspiring beacon for women globally.

Dr. Anwar's illustrious career is adorned with numerous other accolades, including the Women Leadership Award, the Peace Educationist Award, the Emerging Leader Award, and the Best Performance Award. Her work has garnered acclaim both nationally and internationally, reflected in her substantial research grants and extensive publications.

In addition to her academic excellence, Dr. Anwar profoundly impacts society through the Akhira Project, which offers vital financial support to marginalized communities.



Faculty of Earth Sciences & Engineering

International Petroleum Technology Conference IPTC 2024



The International Petroleum Technology Conference 2024 at Dhahran Expo Saudi Arabia featured a study by Azam Khan, Arshad Shehzad Ahmad Shahid, and Muhammad Khurram Zahoor from the Department of Petroleum & Gas Engineering, University of Engineering & Technology in Lahore, Pakistan. The study focused on sustainable drilling fluid design by incorporating waste biomass as additives in drilling fluids. Traditional drilling mud components can pose environmental hazards, making the storage and disposal process challenging. The researchers explored alternative additives such as banana peel powder, eggshell powder, date seed powder, and Aloe Vera gel. The evaluation of these materials revealed promising outcomes, demonstrating improved drilling fluid qualities compared to conventional methods. The use of waste biomass not only enhanced drilling fluid performance but also contributed to environmental sustainability by reducing the environmental impact associated with drilling operations.



Al Khwarizmi Institute of Computer Science (KICS)

Third New Venture Contest (NVC) 2024

The Third New Venture Contest (NVC) 2024, organized by the Industrial Partnership Projects (IPP) and Engineers for Community Welfare (ECW) of Pakistan, in collaboration with Al-Khwarizmi Institute of Computer Sciences (KICS) at the University of Engineering & Technology Lahore, and Akhuwat Foundation Pakistan, concluded successfully on April 17, 2024. Beginning on November 5, 2023, business ideas competition aimed to inspire innovation and entrepreneurship among Pakistan's youth. The contest attracted diverse participants, from graduate and undergraduate students, offering them a chance to win interest-free loans up to \$30,000 to start their ventures.

Participants underwent a rigorous three-round evaluation process. Initially, they submitted concise business concept summaries online. The semi-final round required detailed business plans, legal verifications, and video pitches to a panel of esteemed judges. Ten teams made it to the finals, where they presented their ideas in a grand finale at UET Lahore.

The event featured prominent figures like Dr. Amjad Saqib of Akhuwat Foundation and UET Vice-Chancellor Prof. Dr. Nasir Hayat. The event, celebrating entrepreneurship, concluded with inspiring speeches and the recognition of all participants and organizers for their contributions and efforts.



AI SUMMER BOOTCAMP 2024

The University of Engineering and Technology (UET) Lahore proudly announces the commencement of its Summer Bootcamp 2024, from June to August. This immersive 12-week program is designed to equip students with the practical skills necessary to thrive in the rapidly evolving IT industry. Organized by the National Centre of Artificial Intelligence (NCAI) at KICS UET Lahore, the bootcamp aims to bridge the gap between academia and industry by providing hands-on training and mentorship from industry experts.

Program Overview:

Following the success of the 10-week Summer Bootcamp in 2023, this year's program is set to be even more impactful. Targeting FSc/FA and BSc/BA students or higher, the bootcamp is scheduled to start immediately after the second-year exams in May 2024. The courses have been meticulously designed based on comprehensive global industry surveys conducted ensuring they meet the latest market demands.

Training Structure:

The bootcamp will leverage UET's state-of-the-art smart classrooms for in-person sessions, and online options for remote learners. Each course spans 12 weeks, with 10 weeks dedicated to technical training and the final 2 weeks for developing Professional skills with AI Tools and entrepreneurship. The curriculum covers a broad range of subjects, including AI & Data Science, Generative AI, Fundamentals of Programming, MERN Stack Development, Web Development with ASP & Laravel, and Digital Marketing.

Industry-Aligned Curriculum:

The courses are delivered by a mix of UET faculty and industry professionals, ensuring students gain insights from both academic and practical perspectives. The training content is accessible via MS Teams for remote participants, with additional video recordings available on YouTube and the UET TV Channel for on-demand learning. This flexible approach ensures that all students, regardless of their location, can benefit from the bootcamp.

Participant Details:

This year, the bootcamp will cater to a diverse group of 215 students, including both classroom and online participants.

The breakdown of students per course is as follows:

1. AI & Data Science: 58
2. Generative AI: 16
3. Fundamentals of Programming: 33
4. MERN Stack Development: 28
5. Web Development with ASP & Laravel: 22
6. Digital Marketing: 58

Support and Alumni Involvement:

The bootcamp is supported by following notable alumni:

67-UET Alumni

1. Javaid Haider Chauhan,
2. Sikandar Naqvi,
3. Ahmed Nawaz,
4. Shoaib Jaleel Khan
5. Niaz Siddiqui.

66-UET Alumni

1. Mahmood Khan,
2. Mohammad Anwar Pasha

Their involvement ensures that the training remains relevant and aligned to current industry trends. For more information about the program and upcoming training opportunities, visit UET's AI Training Portal or contact aitrainings@uet.edu.pk.

CONTINUING ENGINEERING EDUCATION CENTER KSK(CEEC)**WORKSHOP ON INTEGRATING AI IN COURSE PLANNING AND DELIVERY**

Following the HEC's AI Policy and emphasis on the ethical use of AI interventions in academics, the Continuing Engineering Education and Training Center at UET Lahore's New Campus organized a one-day workshop titled "Engaging Course Plan and Delivery Using AI Intervention" on June 6th, 2024.

Prof. Dr. S. Mohsin Ali Kazmi, Chairperson Chemical, Polymer, and Composite Materials Engineering Department, was the workshop's resource person. The event witnessed participation

of over 25 individuals from various engineering and science disciplines and professionals from related organizations. Attendees engaged in hands-on exercises demonstrating how ChatGPT can be integrated into course plans to develop both Low Order Thinking Skills (LOTS) and High Order Thinking Skills (HOTS). Through various case studies, participants learned that AI interventions, serve as facilitating tools for planning and delivering academic content.

It was emphasized that while these tools can be useful, they often produce biased content, necessitating careful review by faculty members before use. The workshop concluded with Prof. Dr. Shahid Imran closing remarks and distribution of certificates of participation to the attendees.



Achievements

Advancing Quantum Computing Research with IBM Quantum Credits

The University of Engineering and Technology (UET) Lahore is proud to announce a significant milestone in its pursuit of cutting-edge research in quantum computing. Dr. Muhammad Ahsan, a prominent faculty member, has successfully secured \$70,000 worth of IBM Quantum Credits. This award, equivalent to approximately 12 hours of quantum compute time, will support the project titled "Towards Quantum Advantage with Truncated Ansatz and Systematically Perturbed Hamiltonian."

This prestigious grant from IBM enables UET Lahore to access state-of-the-art quantum computing resources, fostering groundbreaking research and innovation. The project aims to explore new frontiers in quantum advantage, focusing on optimizing quantum algorithms and enhancing computational efficiency through innovative approaches. This initiative aligns with UET's commitment to advancing scientific knowledge and contributing to global technological advancements.

The activation of these credits marks a significant step forward in UET's research capabilities. The credits are valid for one year from the date of activation, providing ample time for Dr. Ahsan and his team to conduct comprehensive experiments and achieve substantial progress in their research objectives. IBM's support includes access to detailed onboarding documentation and a dedicated dashboard to manage and monitor usage, ensuring efficient utilization of the allocated resources.



Dr. Ahsan's project will leverage IBM's cutting-edge quantum computing platforms to test and validate hypotheses, potentially leading to significant contributions in the field of quantum computing. The collaboration with IBM not only enhances UET's research portfolio but also positions the university as a key player in the global quantum computing research community.

For more information on the IBM Quantum Credits program and UET's research initiatives, please visit IBM Quantum Credits Program or contact Dr. Muhammad Ahsan at m.ahsan@uet.edu.pk.

Showcasing Impactful Research at Pakistan–UK Vice-Chancellors Forum





Prof. Dr. Muhammad Mohsin showcased his research project at the Pakistan–UK Vice- Chancellors Forum held at HEC Islamabad on April 22, 2024. This prestigious event, brought together higher education leaders from the UK and Pakistan, providing a platform for presenting groundbreaking research from across the country.

HEC Islamabad invited nominations for the exhibition, selecting 41 impactful research projects from a nationwide pool. Out of the 19 nominations submitted by UET Lahore, Dr. Mohsin's project on "Water, Energy, and Cost-Efficient Textile Bleach Recycling" was chosen for this significant showcase. This project, funded by the Technology Development Fund (TDF) and completed in 2021, has been licensed to Interloop and is currently operational at a production scale.

The project drew considerable interest and appreciation from notable visitors, including Sir Steve Smith (UK International Education Champion); Maddalaine Ansell (Director Education British Council); and Mr. Nick Adlam (CCO of INTO) representing 30 UK universities.

The Pakistan–UK Vice-Chancellors Forum was attended by high-profile figures such as Dr. Mukhtar Ahmad (Chair HEC); Dr. Zia Ul-Qayyum (HEC Executive Director); and Vice Chancellors from various universities. The event also included the launch of the Transnational Education Policy, further underscoring the collaborative efforts between Pakistan and the UK in advancing higher education and research.

Prof. Dr. Muhammad Mohsin, a Chartered Colorist and Chairperson Department of Textile Engineering at UET Lahore's Faisalabad Campus, has made significant contributions to UET's research portfolio. He is the principal investigator for three UET's national patents in the last five years. His dedication to research excellence continues to bring prestige and recognition to UET.

For more information on UET's research initiatives and upcoming events, contact the ORIC team at directororic@uet.edu.pk.



Alumni News

Success Story

A Journey of Innovation and Leadership: Sikandar Naqvi's Success Story



Sikandar Naqvi's remarkable journey from a student at UET to a successful entrepreneur in Silicon Valley is a testament to his dedication, resilience, and innovative spirit.

Naqvi began his academic journey at Government College Lahore, before graduating from UET in 1971 with a degree in Electronics and Communications. His professional career started with brief tenures at Carrier Telephone Industries in Islamabad, Pakistan TV Corporation in Rawalpindi, and NESPAK in Lahore. He also earned his Master of Science in Electrical Engineering from Oregon State University in Corvallis, Oregon.

In 1977, Naqvi secured his first job at National Semiconductor in Santa Clara, California. The following year, he joined Intel, an emerging company in the semiconductor field. Under the legendary leadership of Andy Grove, Naqvi honed his organizational management and professional skills.

Naqvi had his first taste of dynamic environment in 1985 when he joined Chips and Technology, founded by a former Intel employee. The startup took off rapidly, and by 1988, Naqvi had risen to the position of vice president of a business unit generating hundreds of millions in revenues. Chips and Technology went public around the same time, marking a significant milestone in Naqvi's career.

Following his success at Chips, Naqvi held senior management positions at Mylex, IDT, and Marvel. In 1998, he co-founded Luminous Networks and became its CEO. Despite facing significant challenges, especially after the economic downturn following the 9/11 attacks, Luminous Networks was sold to a larger company in 2005.

Naqvi's co-founded SandForce in 2006, achieved tremendous success and was eventually sold to a larger company in 2011.

Reflecting on his career, Naqvi acknowledges startups as risks and rewards. The thrill and challenges of transforming an idea into a viable business idea are unique indescribable experiences.

Beyond his professional achievements, Naqvi has made significant contributions to his alma mater, UET. He played a crucial role in the revival of the UET Newsletter in January 2023, ensuring that the university's achievements and news were effectively communicated to a broader audience. Additionally, Naqvi has been instrumental in supporting UET's Summer Bootcamp programs in 2023 and 2024, offering his expertise and experience to help shape the curriculum and mentor students.

Now retired, Naqvi lives in Saratoga, a small town in the suburbs of Silicon Valley, with his wife and three grown-up children. His story serves as an inspiration to aspiring entrepreneurs and a testament to the power of perseverance and innovation.

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