

IN PERSPECTIVE

NEWSLETTER

OCTOBER 2024

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ITU HOSTS STRATEGIC MEETING ON COMMODITY MANAGEMENT AND ECONOMIC GROWTH

Information Technology University's Vice Chancellor's Office recently hosted a strategic meeting with key stakeholders, including Mr. Muhammad Ajmal Bhatti, Secretary of Price Control & Commodity Management Department; Mr. Khizer, Director General Commodities; and Dr. Tanveer Khaliq Shami, Director E&M Price Control.

ITU faculty and the Registrar presented the university's programs, research priorities, and future plans, sparking discussions on commodity management, price regulation, and economic growth.

This pivotal gathering set the stage for future collaborations, emphasizing ITU's commitment to driving innovation, fostering economic resilience, and contributing to impactful policy reform.



PARLIAMENTARY SECRETARY VISITS ITU TO DISCUSS EXPANSION PLANS

Parliamentary Secretary for Higher Education (Punjab) Mr. Muhammad Ajmal Khan recently visited the Information Technology University, where he was warmly received by Vice Chancellor Dr. Adnan Noor alongside the university's deans and senior management.

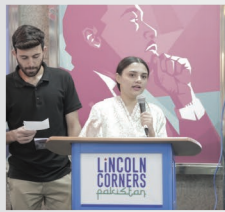
During the visit, Mr. Khan was briefed on ITU's significant progress and achievements over the years. A major highlight of the discussion was the potential establishment of a new ITU campus in Muzaffargarh. The meeting concluded on a positive note, with an agreement to explore the practical requirements for this expansion.

The visit underscored ITU's commitment to extending its academic excellence to underserved regions, fostering innovation, and broadening educational opportunities across Pakistan.





CONSULTATION ON UNESCO'S DIGITAL MEDIA GOVERNANCE GUIDELINES HELD AT ITU



Information Technology University recently hosted a consultation on UNESCO's guidelines for digital media platform governance. Organized by the Baithak Society in partnership with the Institute for Research, Advocacy, and Development (IRADA) and supported by UNESCO, the event took place at ITU's Lincoln Corner.

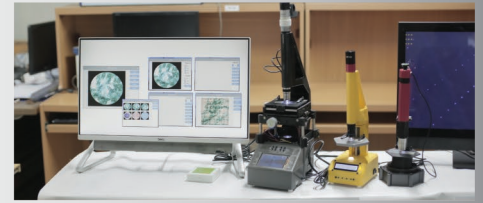
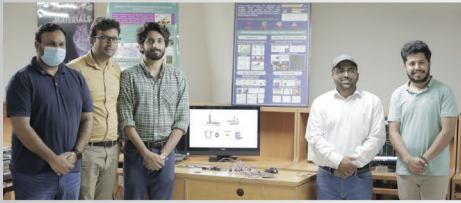


The session addressed critical issues related to disinformation and hate speech online while focusing on safeguarding freedom of expression and ensuring access to information. Participants discussed the implementation of UNESCO's guidelines in Pakistan, the governance of digital platforms, and the promotion of media literacy programs.



This collaborative effort underscored the importance of collective action in shaping a safer and more accountable digital environment, reaffirming ITU's role in fostering meaningful dialogue on societal challenges.





ITU STUDENTS SHOWCASE CREATIVITY AND TECHNOLOGY AT PROJECT EXHIBITION



Students from the Information Technology University demonstrated their ingenuity and technical expertise at a highly anticipated Project Exhibition held at the Arfa Software Technology Park campus.

The exhibition featured innovative projects developed by students from various degree programs, showcasing their potential to address real-world challenges through technology. ITU Vice Chancellor Dr. Adnan Noor attended the event, commending the students' efforts and emphasizing the importance of fostering innovation and research in academia.



Dr. Noor highlighted ITU's commitment to developing future leaders in technology, stating that such initiatives are crucial for advancing technological progress and tackling pressing societal issues.

The exhibition was a vibrant testament to ITU's dedication to nurturing talent and innovation, further cementing its position as a hub for cutting-edge education and research.



ITU FACULTY SHINES AT DATAFEST 2024, PROMOTING DATA-DRIVEN GOVERNANCE

Pakistan Bureau of Statistics hosted DataFest 2024 in Islamabad, bringing together experts and policymakers to promote data-driven decision-making.

Dr. Abiha, Chairperson of the Department of Governance and Global Studies at ITU, led a workshop focusing on challenges in data collection and interpretation. Using longitudinal data from over 500 senior bureaucrats, she emphasized data integration, career insights, and public-private collaboration.

Her session highlighted the critical role of data in enhancing governance and fostering sustainable partnerships, reinforcing ITU's commitment to impactful research and innovation.



NEBULA SOCIETY ITU PARTNERS WITH NASA FOR SPACE APP CHALLENGE 2024

In a groundbreaking collaboration, the Nebula Society at ITU partnered with NASA as a local collaborator for the Space App Challenge 2024. A dynamic team, led by Mehar Ali, Mohammad Abdullah, and Emad Sohail, developed an innovative game, *Chronicles of Exoplanets Exploration*, aimed at engaging younger students with space exploration concepts.

Their exceptional project earned them the prestigious "Best Solution Provided" certificate, highlighting their creativity and technical prowess. Special recognition was given to the 20-member management team, including Abir Hussein, Bilal Chaudhary, and Mohammad Najeeb, for their dedication and hard work in ensuring the event's success.

This collaboration highlights ITU's dedication to fostering innovation in space exploration and technology.



ITU'S ELECTRICAL ENGINEERING DEPARTMENT & MICRONANO LAB

PAPER PUBLICATION

FLUID-INFILTRATED METALENS-DRIVEN RECONFIGURABLE INTELLIGENT SURFACES FOR OPTICAL WIRELESS COMMUNICATIONS

We are thrilled to announce the latest breakthrough from the ITU MicroNanoCISS Lab, published in the prestigious journal **"Advanced Science" (Impact Factor 14.3)**. This pioneering work, led by PhD scholar Ramna Khalid, alongside former PhD scholar Dr. Nasir Mehmood, and under the supervision of Dr. M. Zubair and Dr. M. Qasim Mehmood. This publication marks a significant step forward in the field of metasurfaces and reflects the lab's commitment to pushing the boundaries of innovation in electromagnetic wave manipulation.



MS RAMNA KHALID
PHD SCHOLAR



DR. NASIR MEHMOOD
FORMER PHD STUDENT



DR. M. ZUBAIR
ASSOCIATE PROFESSOR, ITU



DR. M. QASIM MEHMOOD
ASSOCIATE PROFESSOR, ITU

ITU HOSTS TALK ON QUANTUM REVOLUTION IN CYBERSECURITY

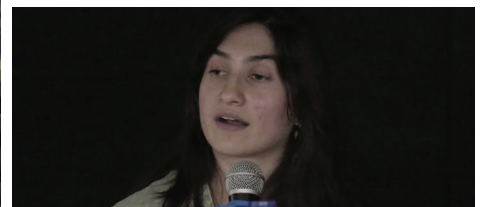
Information Technology University hosted an insightful session on "Quantum Revolution: A New Paradigm in Cybersecurity," led by Brig (R) Dr. Razzaque, Head of the Department of Applied Sciences at Military College of Signals (MCS-NUST). Dr. Razzaque discussed the transformative impact of quantum computing on cybersecurity and its potential to reshape the digital landscape. Faculty members at ITU also engaged in a productive discussion with Dr. Razzaque on possible collaboration ideas. The session concluded with Dr. Adnan Noor Mian, Vice Chancellor of ITU, presenting a shield to the esteemed guest.



INSIGHTFUL TALK ON BUILDING A RAG-BASED CHATBOT BY MARIA SOHAIL

The Department of Artificial Intelligence and Intelligent Machines Lab at Information Technology University recently organized an insightful session on "Building a RAG-Based Chatbot: Challenges and Pitfalls." The session focused on the limitations of Large Language Models (LLMs), an introduction to Retrieval-Augmented Generation (RAG), and key concepts like chunking, retrievers, and optimal chunk sizes.

Maria Sohail, a Machine Learning Engineer at the Royal Bank of Canada, with degrees from the University of Waterloo and McGill University, led the session. Her expertise in leveraging LLMs and RAG provided students with valuable insights on overcoming challenges and building advanced conversational AI solutions.



AI DEPARTMENT HOSTS SESSION ON ENHANCING PROBLEM-SOLVING WITH ADVANCED PROMPTING AND LLMs

The Department of Artificial Intelligence at the Information Technology University (ITU) recently hosted an insightful session titled "Enhancing Problem-Solving Skills with Advanced Prompting Techniques and LLMs," featuring Hamid Ali, Co-founder and Machine Learning Lead at Quid Sol Pvt. Ltd. The event introduced participants to the power of advanced prompting techniques and the transformative potential of Large Language Models (LLMs).

During the session, Hamid Ali shared valuable insights on crafting effective prompts, demonstrated real-world applications of LLMs, and presented success stories illustrating their impact across industries. The session equipped students and faculty with practical strategies to leverage AI in addressing complex challenges, reinforcing ITU's commitment to providing cutting-edge learning experiences.



ITU PHD SCHOLAR ABDUL REHMAN TO PRESENT AT MICCAI 2024

Abdul Rehman, a first-year PhD scholar from the Department of Computer Science at Information Technology University, had his research paper accepted for an oral presentation at MICCAI 2024, one of the premier conferences in Medical Image Computing and Computer-Assisted Interventions. His paper, titled "A Large-scale Multi-Domain Leukemia Dataset for White Blood Cell Detection with Morphological Attributes for Explainability," introduces the LeukemiaAttri dataset, containing 28.8K images and 88K white blood cells. Under the mentorship of Dr. Waqas Sultani and Dr. Mohsen Ali, Abdul's innovative work has gained recognition at this prestigious conference. Congratulations to Abdul and his co-authors on this remarkable achievement.



FROM MYTHS TO MASTERY UNLOCKING CAREER SUCCESS FOR ITU STUDENTS

Information Technology University hosted an engaging Career Hacks Session, aimed at helping students discover their ideal career paths and gain practical tips for success in the competitive job market. The session featured Haroon Akhtar, a Presidential Award holder and renowned tech community builder with over 18 years of experience. Haroon shared his expertise in talent management, having worked with global companies in sectors like Gaming, Cyber Security, Blockchain, and eCommerce. He also discussed his role in building high-performing teams and his initiatives to empower the tech community, including TalentX and HR Knowledge Cafe. The session provided students with valuable insights on navigating their career journeys.



DISCUSSING FOREST POLICY CHALLENGES AND SOLUTIONS AT ITU

The Department of Governance and Global Studies, in collaboration with The Green Youth Movement Club, recently hosted a special session titled "Forest Policy vs. Practice: Pakistan's Case" as part of the Climate Governance and Sustainable Development Series. The event aimed to explore the challenges and opportunities within Pakistan's forest policy, emphasizing the importance of sustainable development.

The session featured Bilal A. Chaudri, founder of Restore and Agrihood Pvt. Ltd., an expert in green entrepreneurship and environmental initiatives. With extensive experience in urban forestation and sustainable development, Bilal shared his insights into creating urban green spaces, promoting afforestation, and fostering public-private partnerships. This session provided a valuable opportunity for students and environmental enthusiasts to learn from Bilal's expertise and understand the critical role of effective forest policies in Pakistan's sustainability efforts.

This event reinforced ITU's commitment to fostering knowledge and action for a more sustainable future.

ITU FM HOSTS INSIGHTFUL SESSION ON ALZHEIMER'S AND DEMENTIA

RJ Haroon Javed welcomed Dr. Hussain Jafri, Secretary General and founder of Alzheimer's Pakistan, for an informative session on ITU FM 90.4. The discussion covered the causes, potential cures, and care strategies for Alzheimer's and dementia. Dr. Jafri shared his expertise on dementia care, including his work in establishing daycare centers, memory clinics, and support groups, and highlighted the impact of the Punjab Dementia Plan on improving care in the region.



MIND SCIENCES AND STRESS MANAGEMENT SESSION ON ITU FM

ITU FM 90.4 hosted an engaging session on "Mind Sciences and Stress Management" with Mr. Farukh Saeed, a Mind Sciences Therapist and Corporate Trainer. The session, hosted by Haroon Javed, covered critical topics such as fears, phobias, depression, anxiety, and the influence of mind frequency and energies in our environment. Mr. Saeed provided valuable insights into managing stress, particularly in workplace settings, equipping listeners with practical tools for mental well-being.



ISLAMIC SOCIETY ITU HOSTS IMAAN & INTELLECT QUIZ COMPETITION

The Islamic Society at Information Technology University organized the "Imaan & Intellect" quiz competition, testing students' knowledge of Islamic history, culture, and religious practices. The event promoted learning and healthy competition, allowing participants to deepen their understanding of Islamic teachings while engaging with peers in a collaborative setting.



ITU ALUMNI OMAIR BANGASH TO LEAD STARTUP FOUNDATIONS BOOTCAMP

Information Technology University is excited to announce that ITU alumnus Omais Bangash, Co-founder of Tosdown, ORDRZ PK, and Weecommerce Pakistan, will be leading the Startup Foundations Bootcamp. This 1-day immersive event is designed to equip early-stage startups with the essential tools and insights needed to build, grow, and scale their businesses.

FREE 1-DAY BOOTCAMP FOR ENTREPRENEURS

STARTUP FOUNDATIONS BOOTCAMP

WITH OMAIR BANGASH

APPLY NOW

11:00 AM - 06:00 PM

16 OCTOBER 2024

VENUE: COLABS CAMPUS, GULBERG

Co-founder Tosdown, ORDRZ & Weecommerce



INFORMATION TECHNOLOGY UNIVERSITY

COLABS

tosdown

ORDRZ

Weecommerce

HONHAAR SCHOLARSHIP: INFORMATION KIOSK AT ITU FOR UNDERGRADUATE STUDENTS

Information Technology University set up a dedicated kiosk to provide students with information about the Honhaar Scholarship - Undergraduate Program, an initiative led by Maryam Nawaz, Chief Minister of Punjab. This merit-based scholarship aimed to support exceptional students pursuing undergraduate degrees.

Students were encouraged to apply online before the deadline of October 15, 2024, online at: <https://honhaarscholarship.punjabhec.gov.pk>



IEEE ITU STUDENT BRANCH CELEBRATES IEEE DAY

The IEEE ITU Student Branch recently celebrated IEEE Day under the theme "Leveraging Technology for a Better Tomorrow." The event honored the global contributions of engineers, technologists, and scientists whose innovations have transformed lives and inspired progress. IEEE ITU reaffirmed its commitment to utilizing technology for the betterment of society, reinforcing its dedication to positively shaping the future for all humanity always.



WIE STUDENTS VISIT SHAUKAT KHANUM FOR BREAST CANCER AWARENESS

The Women in Engineering (WiE) student branch at ITU visited Shaukat Khanum Memorial Cancer Hospital on Breast Cancer Awareness Day, gaining valuable insights into the importance of early detection and prevention. The visit emphasized the crucial role of awareness in combating breast cancer.

We extend our gratitude to Shaukat Khanum for their ongoing contributions to breast cancer research and patient care. Together, we are committed to raising awareness and empowering women's health.



DISCOVERING THE HERITAGE OF OLD LAHORE

Students from ITU's "Lahore: History and Culture" class embarked on an enriching journey through the historic streets of Old Lahore, uncovering the city's vibrant history and cultural treasures.

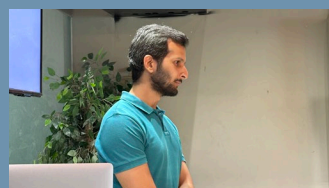
Accompanied by John Cain (Curator, Lahore Biennale) and Qudsia Rahim (Executive Director, Lahore Biennale), the group explored stunning art installations and hidden gems curated for the Lahore Biennale. The trip offered students a unique opportunity to immerse themselves in the intersection of culture, art, and history, creating an unforgettable learning experience.



ITU STUDENTS EXPLORE GAME DEVELOPMENT AT MINDSTORM STUDIOS

Students from BS Computer Engineering at ITU visited the Lahore office of Mindstorm Studios, a leading international game development company. The visit provided students with insights into the world of game development, software development, and UI/UX designing.

The students were particularly intrigued by the studio's award-winning games and expressed keen interest in pursuing careers in the industry. ITU extends its gratitude to Mindstorm Studios for their warm hospitality and looks forward to future collaborations that could lead to exciting job opportunities in game development.





ITU HOSTS CERTIFICATE DISTRIBUTION CEREMONY FOR SHORT COURSE GRADUATES

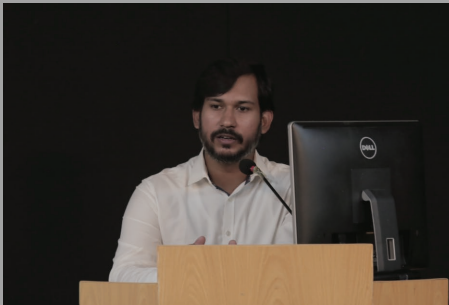
Information Technology University recently hosted a certificate distribution ceremony for the 6th, 7th, and 8th batches of its short courses. Registrar Mr. Adeel Asghar attended the event, alongside course instructors, to congratulate the successful students.

The ceremony marked a significant milestone for the participants, who gained valuable knowledge and hands-on skills. With their newfound expertise, students are now ready to kickstart their careers, excel in freelancing, or advance in their professional fields. Mr. Adeel Asghar extended his heartfelt congratulations to the graduates and wished them success in their future endeavors.



THE CRESCENT SCHOOL VISITS INFORMATION TECHNOLOGY UNIVERSITY

The Crescent School students recently visited Information Technology University to explore tech fields and gain valuable insights into the world of STEM. During the tour, they visited ITU's advanced facilities, including state-of-the-art computer labs, lecture theatres, and research centers. Students interacted with faculty and researchers, learning about cutting-edge advancements in AI, data science, and software development. This visit inspired the young learners to consider exciting career paths in tech and highlighted the importance of STEM education in shaping future innovators and leaders.



ITU CELEBRATES TEACHER'S DAY WITH FOCUS ON AI & WISDOM

SPIE and Optica student chapters at ITU, in collaboration with CISS, hosted a special Teacher's Day celebration on the theme, "Fostering Wisdom in the Age of GenAI."

The event featured talks by Dr. Junaid Qadir and Dr. Qasim Mehmood, sparking discussions on balancing artificial intelligence advancements with wisdom, and the role of educators in navigating AI complexities. It paved the way for exploring AI's transformative and harmonious integration with human wisdom.



EID MLAD-UN-NABI CELEBRATED AT ITU

Information Technology University observed Eid Milad-un-Nabi (S.A.W) 2024 with a special Mehfil-e-Milad-un-Nabi. On this auspicious occasion, participants gathered to pay rich tributes and send salutations to Hazrat Muhammad (S.A.W), the last and final Prophet. The event was a moment of reflection and reverence as the ITU community came together to celebrate this significant day in Islamic history.



ITU OBSERVES KASHMIR BLACK DAY IN SOLIDARITY WITH KASHMIRIS

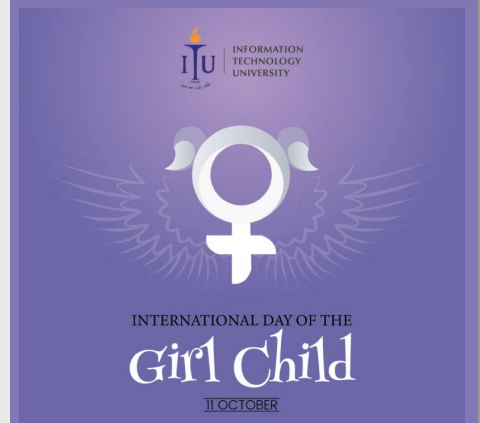
On October 27th, Information Technology University observed Kashmir Black Day at its Main Campus (Barki), expressing unwavering support for the Kashmir cause. The day included a solemn reflection on the human rights violations and atrocities in Indian Illegally Occupied Jammu and Kashmir.

ITU condemned the ongoing injustices and reiterated Pakistan's commitment to raising global awareness about the Kashmir issue. The observance honored the Kashmiri people's struggle for freedom, aiming to promote peace, justice, and human rights worldwide.



ITU CELEBRATES INTERNATIONAL DAY OF THE GIRL CHILD

In honor of International Day of the Girl Child, Information Technology University (ITU) celebrated the strength and potential of every girl worldwide. With this year's theme, "Girls' Vision for the Future," ITU highlighted how girls can shape the world when given the right support. TU FM 90.4 aired a special session showcasing the success story of a female student, emphasizing the impact of positive parenting on her growth. Hosted by Ms. Sheeba Malik, the session focused on the pivotal role of family support in nurturing a girl child's development.





EXCITEMENT UNLEASHED AT ITU SPORTS GALA 2024

ITU Sports Gala 2024 concluded with a week of thrilling competitions and remarkable sportsmanship. Organized by the Student Services and Placement Office (SSPO), the event featured matches in futsal, cricket, badminton, table tennis, chess, tug of war, Ludo, arm wrestling, and foosball, showcasing exceptional talent and enthusiasm.



The closing ceremony was graced by Registrar ITU Adeel Asghar, Sports Coach Mr. Arshad, and other distinguished guests, who celebrated the achievements of the participants.



Later, Vice Chancellor Dr. Adnan Noor Mian awarded trophies and shields to the winning teams in his office, commending their dedication and encouraging them to uphold the values of sportsmanship and perseverance.

The event highlighted ITU's dedication to nurturing well-rounded individuals through vibrant opportunities for growth and excellence.

