



SKILLS DAY: INNOVATION AT ITS BEST

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Message from the President

Dear Wolves,

Welcome to the twenty-ninth issue of our **UDST POST**.

After a well-deserved Eid break, it's the perfect time to reflect on the remarkable events that brought us together throughout the month of March. This past month was filled with moments of innovation, celebration, and gratitude. It was a true reflection of the spirit and energy that define UDST.

We witnessed incredible creativity and talent during Skills Day, where our students once again amazed us with their innovative solutions and forward-thinking ideas. We also celebrated the achievements and contributions of Women in STEM, highlighting the power they have to lead and transform the fields of science and technology.

March was also a time for meaningful traditions. The month of Ramadan gave us the chance to come together as a community. The Garangao was a heartwarming celebration of culture and unity. Our collaboration with Qatar Charity to distribute Iftar

meals to the workers who keep our campus running smoothly was a powerful reminder of the importance of gratitude and giving back.

I hope you also enjoyed our digital Ramadan Campaign, which highlighted how technology should ultimately serve humanity and improve lives. As we return to campus, I want you to remember that the education and skills you are gaining should always be tied to a noble cause, a meaningful goal that benefits you and the wider community. The more you give to humanity, the more you will be rewarded.

This quarter promises to be full of energy, events, and activities that will once again reflect the dynamic and vibrant spirit of UDST. So, get ready and let's continue to make a difference and leave a positive impact.

Dr. Salem Al-Naemi
President,
University of Doha for Science and Technology



University of Doha for Science and Technology Celebrates the Success of Skills Day 2025

University of Doha for Science and Technology (UDST) proudly hosted the highly anticipated Skills Day 2025, an event that continues to highlight the importance of innovation, real-world problem-solving, and teamwork in academic and professional development.

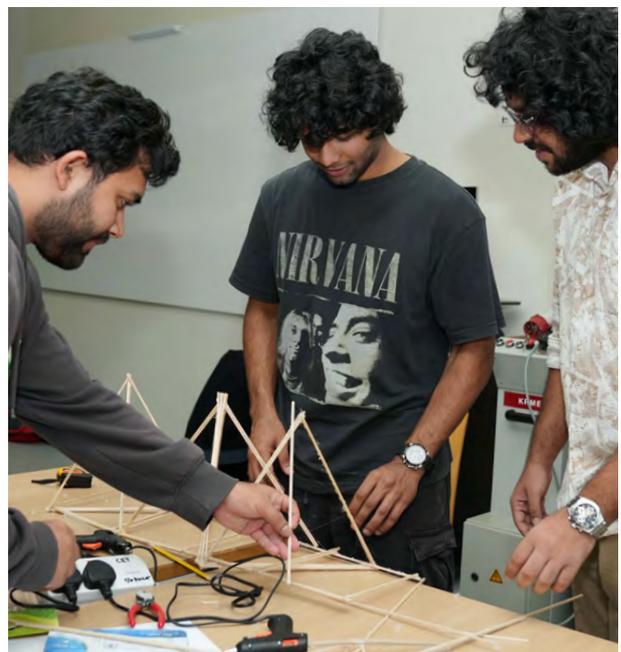
This year's event was an extraordinary gathering featuring over 40 unique challenges and competitions. Participants explored hands-on activities across a wide array of fields, including Engineering and Technology, Health Sciences, Computing and Information Technology, Business, General Education, and Foundation Program, demonstrating their expertise in tackling complex, real-world scenarios.

Notable competitions included the Cybersecurity Skills Contest, Solar Car Challenge, Sustainability and Renewable Energy, and Autonomous Vehicle Simulation Cloud Challenge, showcasing the innovative spirit of UDST students.

Skills Day served as both an educational experience and a showcase of UDST's commitment to applied learning, propelling students forward as they prepare to meet the demands of a dynamic job market.

The event saw active participation from over 700 students, who worked diligently on projects ranging from Network Security Challenges and AI Development to Machining and 3D Design Challenges using SolidWorks to Interprofessional Healthcare Challenges and much more. They were also tasked with navigating challenges related to marketing, problem-solving, and human resources each designed to push the boundaries of creative thinking and technical expertise.

In addition to the exciting competitions, UDST hosted a special Shell NXplorers workshop as part of the side events for Skills Day, focusing on "Innovating for a Sustainable Future." Selected students participated in this engaging session, which was designed to introduce them to the principles of NX Thinking, a methodology emphasizing systems thinking and sustainable problem-solving. During the 3-hour collaborative workshop, students tackled real-world challenges related to sustainability, innovation, and future industries, using NXplorers tools to develop creative solutions. The workshop encouraged participants to think critically, collaborate effectively, and apply their problem-solving skills in a practical, hands-on environment, preparing them for future roles in addressing global issues and creating sustainable solutions.





Reflecting the core values of UDST's educational approach, Skills Day focused on more than just individual achievement. It emphasized collaboration, with students working alongside faculty and peers in multidisciplinary teams. This provided an excellent opportunity for students to strengthen their teamwork abilities, preparing them for the interconnected, cooperative environments they will encounter in their professional futures.

Dr. Salem Al-Naemi, President of UDST, said: "Skills Day shows our students' preparedness to step into the workforce, armed not only with practical knowledge but also the collaborative skills that will drive innovation and create meaningful change. This event highlights the depth of their learning and their ability to apply it in real-world scenarios. It's an opportunity to celebrate their hard work and dedication, while also showcasing how UDST is continuously evolving to meet industry needs. By offering relevant, hands-on experiences, we ensure our students are ready to face the challenges of tomorrow's job market with confidence and creativity."

As the event drew to a close, the spotlight shifted to the Grand Awards ceremony, where the competition winners were honored with medals and certificates for their outstanding achievements. The ceremony encapsulated the spirit of Skills Day, recognizing the hard work, innovation, and collaborative spirit that define UDST's thriving academic community.





Hosting the International Conference on Water and Food Security in the Face of Climate Change: Challenges and Opportunities for Resilience

The Center of Excellence for Food Security and Sustainability at University of Doha for Science and Technology (UDST) in partnership with the Ministry of Environment and Climate Change and the Ministry of Municipality and a number of local and international partners, proudly hosted the International Conference on Water and Food Security in the Face of Climate Change: Challenges and Opportunities for Resilience (WFCC 2025). This global event was attended by H.E. Dr. Abdullah bin Abdulaziz bin Turki Al Subaie, Minister of Environment and Climate Change (MECC), Dr. Salem Al-Naemi, President of University of Doha for Science and Technology and high-level delegates, and brought together researchers and industry leaders to discuss innovative solutions for water and food security challenges posed by climate change aligned with the United Nations Sustainable Development Goals (UN-SDGs), including SDG2, Zero Hunger, SDG 6 Clean Water and Sanitation, and SDG 13 Climate Action.

The conference featured keynote speeches from Hamad Hadi Al-Hajri, Assistant Director of Food Security Department at the Ministry of Municipality; Prof. Walter Leal Filho, Hamburg University of Applied Sciences, Germany; Prof. Jeffrey J. McDonnell, Global Institute for Water Security and Prof. Ronald Corstanje, Cranfield University, as well as high-level panel discussions with distinguished panelists, including the Ministry of Environment and Climate Change, and hands-on technical upskilling workshops addressing critical topics such as the impact of climate change on water resources, innovations in sustainable agricultural technologies, and strategies for achieving global food security.

During the conference, The World Food Forum (WFF) Qatar National Youth Chapter was officially established for the first time in the Middle East, marking a significant milestone in youth-led sustainability efforts. Spearheaded by Youth Chair Mr. Abdulrahman Al Kuwari, a fourth-year Chemical Engineering student at UDST, this initiative is a collaborative effort between the Ministry of Municipality, the Food and Agriculture Organization of the United Nations (FAO), and advisors from the University of Doha for Science and Technology (UDST). The WFF Qatar National Youth Chapter is a pioneering platform dedicated to empowering young leaders to champion sustainable agrifood systems. This initiative aligns with FAO's mission to engage and inspire youth in driving innovative solutions that support UN-SDGs, particularly in the areas of food security, climate resilience, and community-driven sustainability efforts.

The International Conference on Water and Food Security in the Face of Climate Change: Challenges and Opportunities for Resilience, in which the Ministry is a strategic partner, is an important forum for bringing together experts, researchers, and decision-makers from around the globe to discuss the increasing challenges posed by climate change on water and food security, according to H.E. Dr. Abdullah bin Abdulaziz bin Turki Al Subaie, Minister of Environment and Climate Change (MECC).

His Excellency highlighted that the Ministry's participation in this conference as a strategic partner underscores Qatar's commitment to achieving sustainable development and enhancing its response to climate change, in line with Qatar's vision of environmental protection and sustainability.





Furthermore, His Excellency emphasized the MECC's strong commitment to the "National Adaptation Plan", a comprehensive roadmap designed to address climate change challenges. The plan prioritizes strengthening the resilience of key sectors, particularly water and agriculture, through the implementation of effective strategies. These include optimizing water resource management, promoting sustainable agricultural practices, and safeguarding coastal ecosystems.

also highlights the role of UDST in shaping responsible global citizens. As an applied university, we are dedicated to equipping our students with the knowledge and skills to tackle pressing global issues, inspiring them and our faculty to actively contribute to creating innovative solutions that drive sustainable progress for future generations."



Kazuki Kitaoka, Director, Office of Youth and Women, Food and Agriculture Organization of the United Nations (FAO) said: "It is excellent to see that the International Conference on Water and Food Security in the Face of Climate Change engages and empowers young leaders by fostering innovation and prioritizing science education. I believe that equipping youth with the necessary tools to tackle the pressing challenges of our agrifood systems is truly imperative for building a better food future, ensuring good food for all, for today and tomorrow. The WFF Qatar Chapter will, no doubt, further strengthen this mission, fostering local action and global impact with the brilliant minds of Qatari youth."

Dr. Salem Al-Naemi, President of University of Doha for Science and Technology, commented: "Hosting this conference reflects our dedication to advancing research and innovation that aligns with Qatar's Third National Development Strategy and the UN Sustainable Development Goals. By bringing together experts, decision-makers, and students from around the world, we confirm Qatar's position as a global leader in using education and research to address critical water and food security and climate change challenges. This conference





One of the conference's key highlights was the Arab Youth Competition, which received 106 submissions and showcased youth-led innovation projects tackling Food and Water Security, bringing together passionate young changemakers from Arab Countries. The competition brought together participants from Saudi Arabia, Palestine, Oman, Algeria, Lebanon, Qatar, Egypt, and UAE, who presented topics about climate change impacts, food security, and water resource management.

The winners of the Undergraduate category were Haseeb Tariq and Adil Abdulhameed from Qatar University for their project Fabrication of 2D-Printed Thin Film Composite Forward Osmosis (FO) Membrane for Applications in Sustainable Agricultural Fertigation.

In second place came Mo Hamed Kurdi and Sameh Nasif Mukhtar Abdelgadir from University of Doha for Science and Technology for their project Climate-Proof Crops: Boosting Food Security with Biochar-Bokashi Blends. In third place came Maiyar Ahmed Salim Aljahwaria and Balqeess Nasser Hamood Alkhalayali from University of Technology and Applied Science, Oman.

The winners of the Post-Graduate category was Mefaredj Sara from University of Constantine 03- Salah Boubnider – Algeria for the project Optimizing Azolla and Water Lentils Cultivation in Automated Raceway Ponds for Affordable, Nutrient-Rich Livestock Feed in Algeria. (AZOLERIA).

In second place came Layan Helmi and Mayyas Mohamad Othman from Beirut Arab University for their project Removal of Contaminants from Water Using Tomato Leaves as Adsorbent.

In third place came Zukhruf Asim and Zainab Elkahlout from Qatar University for their project Effect of Operational Parameters of High-Value Single Cell Protein Production from Vegetable Waste.

The conference workshops offered participants hands-on training in topics such as connected farming using IoT for water management and machine learning approaches to food security. These sessions highlighted the role of technology and innovation in building sustainable solutions.

WFCC 2025 showcased the UDST Center of Excellence for Food Security and Sustainability's role as a leading hub for technological research and innovation in Sustainability. Spanning over 10,000 sqm, the Center features cutting-edge laboratories, research greenhouses, hydroponic systems, and smart irrigation solutions, promoting sustainable agriculture by optimizing vegetable and date palm cultivation, developing water-efficient greenhouse systems, preserving soil health, and safeguarding date farms. The Center also leverages artificial intelligence (AI) and the Internet of Things (IoT) to enhance livestock management for sustainable milk and meat production, while creating adaptive tools to monitor and manage Qatar's groundwater resources under the impacts of climate change.



Distributing Iftar Meals to Campus Workers



As part of its Ramadan initiatives, UDST, in collaboration with its Qatari Student Association and Qatar Charity, has distributed 500 Iftar meals to workers across various campus divisions. The initiative aimed to express gratitude to individuals in safety and security, housekeeping, maintenance, and other essential roles.

Students played a key role in organizing and distributing the meals within university cafeterias, reinforcing values of generosity and community spirit. The initiative highlighted UDST's commitment to social responsibility, encouraging students to engage in meaningful acts of service.

For many workers, breaking fast during Ramadan can be challenging due to work schedules. By ensuring they receive Iftar meals, UDST reaffirms its appreciation for their contributions to campus life.

Qatar Charity's partnership further emphasized the importance of such initiatives, encouraging broader participation from institutions and organizations. As Ramadan continues to foster unity and compassion, UDST remains dedicated to instilling values of empathy and service among its students, faculty, and staff, strengthening the university's role in community engagement.



Signing MoU with Katara Cultural Village Foundation to Advance Astronomy and Space Science Education in Qatar

UDST has entered a strategic partnership with Katara Cultural Village Foundation to enhance astronomy and space science education in Qatar. The MoU, signed at a ceremony in Katara, establishes a framework for collaboration through Al Thuraya Planetarium, promoting knowledge exchange, research, and educational outreach initiatives.

This partnership aligns with UDST's mission to provide students with innovative, hands-on learning experiences. Through joint efforts, UDST and Katara will utilize the planetarium for academic and community engagement activities, offering specialized training, workshops, and research opportunities. The collaboration merges UDST's academic expertise with Katara's cultural and scientific resources, creating new pathways for student development in astronomy and space sciences.

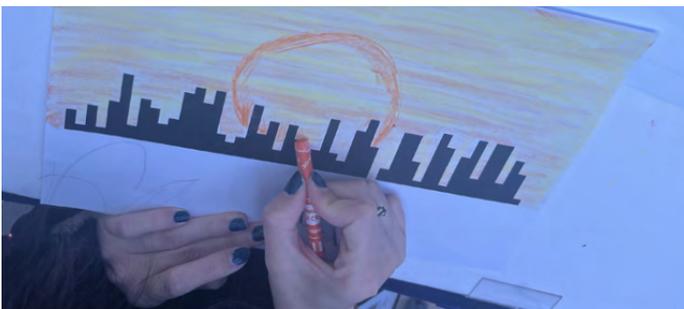
The agreement also facilitates organized student visits, interactive programs, and networking opportunities with industry professionals, enriching their academic journey. By bridging education with cultural and technological advancements, the initiative ensures that students and faculty gain practical insights into space science while contributing to the broader scientific community.



UDST Celebrates International Day of Mathematics with Engaging Activities

In celebration of the International Day of Mathematics, UDST organized a special event highlighting the significance of mathematics in science, culture, and everyday life. Sponsored by the Foundation Program and the College of General Education, the event brought together students from all Colleges for a day of interactive and engaging activities designed to showcase the power and beauty of mathematics.

The celebration featured a week-long series of competitions, including math quizzes, problem-solving challenges, and a creative poster contest. These activities culminated in an exciting showcase, demonstrating the elegance and interconnections of mathematical concepts. Students and faculty explored the Fibonacci Sequence and Golden Ratio, enjoyed a musical tribute to Pi, and admired creative works inspired by mathematical themes. Foundation Program students presented practical experiments and projects, illustrating the essential role of Pi and other mathematical principles in everyday applications.



Keynote Speaker Session: From Digital Divide to AI Divide – Where Do We Stand?



UDST's Foundation Program recently hosted an insightful keynote session led by Dr. Mohammad Etedali, a distinguished senior lecturer at LUT/LAB University in Finland. The session, attended by faculty, students, and members of the local community, explored the evolving landscape of language education and the growing influence of artificial intelligence.

Dr. Etedali, who has taught in Iran, Kuwait, and Finland, discussed the shift from the digital divide to one shaped by AI advancements, highlighting how the COVID-19 pandemic accelerated the transition to digital solutions. He explored how AI is now reshaping educational paradigms, particularly in language learning, offering both challenges and opportunities.

The keynote session left attendees with a deeper understanding of the future of education, emphasizing the need for a balanced approach to AI in learning environments.



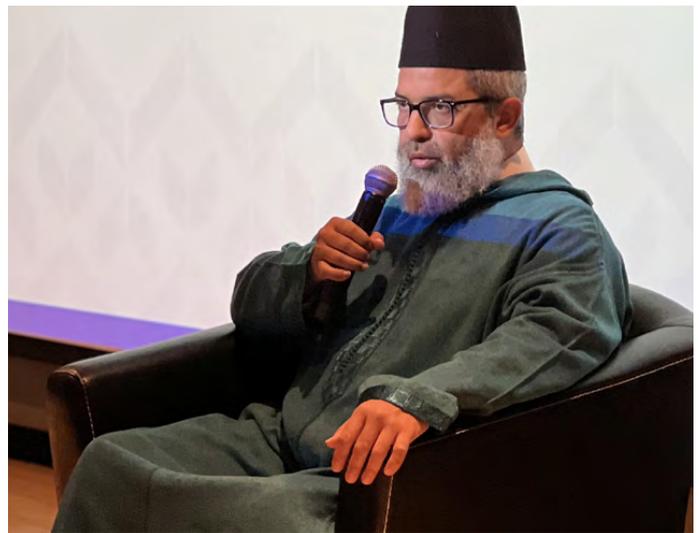
Celebrating the Spirit of Garangao Through a Community Event



UDST embraced the spirit of Garangao with a vibrant celebration, bringing together students, staff, and families to honor this cherished Qatari tradition. Garangao, celebrated on the 14th night of Ramadan, is a special occasion where children dress in traditional attire, sing folk songs, and collect treats.

UDST's event featured activities that showcased the significance of Garangao in Qatari heritage. Participants enjoyed distributing sweets and engaging in games that embodied the warmth and generosity of the occasion.

The celebration strengthened the sense of community and promoted cultural awareness among students from diverse backgrounds. By honoring this beloved tradition, UDST reaffirmed its commitment to preserving Qatari heritage while creating a joyful and inclusive environment for all.



Hosting Inspiring Ramadan Lectures on Prayer and Reflection

UDST, in collaboration with the Ministry of Endowments and Islamic Affairs, organized two insightful religious lectures during Ramadan, bringing together students, staff, and faculty for meaningful discussions.

The first lecture, *The Importance and Status of Prayer*, was delivered by Sheikh Al-Bashir Essam Al-Marrakshi. Conducted in Arabic, the session explored the spiritual and personal significance of prayer in daily life, encouraging attendees to deepen their commitment to this essential pillar of faith.

Sheikh Abdur-Raheem McCarthy presented *Ramadan Reflections: Until We Meet Again*. The English lecture emphasized the values of Ramadan and the importance of carrying its lessons beyond the holy month.





Championing Women in STEM at Shaping Tomorrow: STEMpowered Women Event



UDST proudly hosted the **Shaping Tomorrow: STEMpowered Women** event, organized by the Doha Women Forum in celebration of the International Day of Women and Girls in Science. This gathering brought together influential female leaders in STEM to inspire, mentor, and empower the next generation in science, technology, engineering, and mathematics.

The event featured a dynamic panel discussion with leading women from academia, industry, and entrepreneurship, highlighting their journeys and the critical role of mentorship in shaping future female leaders. Dr. Rosie Bateson, Dean of the College of General Education, emphasized UDST's dedication to promoting diversity and inclusivity in STEM, focusing on empowering young women with the knowledge and skills to drive innovation and leadership in science and technology.



UDST also showcased interactive workshops and networking sessions, providing attendees with hands-on experiences and opportunities to connect with industry professionals. These activities reinforced the importance of collaboration and continuous learning in STEM fields, encouraging young women to pursue their passions with confidence and determination.





UDST Faculty and Students Collaborate with Albayan 2 Secondary School to Develop Innovative Shopping Scooter for Elderly

In a remarkable display of community engagement and technical innovation, a team from University of Doha for Science and Technology has partnered with Albayan 2 Secondary School to develop a functional prototype of a shopping scooter designed to assist elderly individuals. The project, led by Dr. Hassan Mahasneh from UDST's College of Engineering and Technology (CET), along with five talented CET students, showcases the university's commitment to social responsibility and nurturing real-world problem-solving skills among young minds.

The initiative began as part of a local competition aimed at encouraging students to apply their technical knowledge to address societal challenges. The UDST team, comprising of Ziad Mubarak, Mohammed Medhat, Mohamad Atteya, Hamad Dad Bakhsh, and Abeer Mahjoub, worked closely with Albayan 2 Secondary School students to design and build a shopping scooter tailored to the needs of elderly shoppers.

Project Overview

The shopping scooter prototype is a sophisticated yet user-friendly solution designed to enhance mobility and convenience for elderly individuals during shopping trips. The team utilized advanced Computer-Aided Design (CAD) software to create a detailed blueprint of the scooter, incorporating essential features such as motors, batteries, a braking system, a steering mechanism, and safety measures to ensure ease of use and reliability.

Once the design phase was complete, the team transitioned to the hands-on execution of the prototype. Rigorous testing procedures were conducted to refine the scooter's functionality and ensure it met the intended objectives. The final product is a testament to the collaborative efforts of the UDST team and the Albayan 2 students, highlighting the potential of interdisciplinary teamwork in solving real-world problems.

A Commitment to Social Responsibility

This project underscores UDST's dedication to social responsibility and community engagement. By sharing their expertise and resources, the CET faculty and students have not only contributed to the development of a practical solution for elderly shoppers but also inspired the next generation of innovators at Albayan 2 Secondary School.

Dr. Hassan Mahasneh, the project lead, emphasized the importance of such initiatives in bridging the gap between academia and community needs. "This collaboration is a perfect example of how education and innovation can come together to create meaningful impact. We are proud to support Albayan 2 Secondary School in this endeavor and to contribute to the well-being of our elderly community members," he said.

Recognition and Appreciation

In recognition of their outstanding contribution, the UDST team was presented with appreciation certificates by Albayan 2 Secondary School. The certificates serve as a token of gratitude for the team's dedication, expertise, and commitment to empowering young students through hands-on learning experiences.

As UDST continues to champion social responsibility and community engagement, projects like this serve as a reminder of the transformative power of teamwork, creativity, and a shared vision for a better future.

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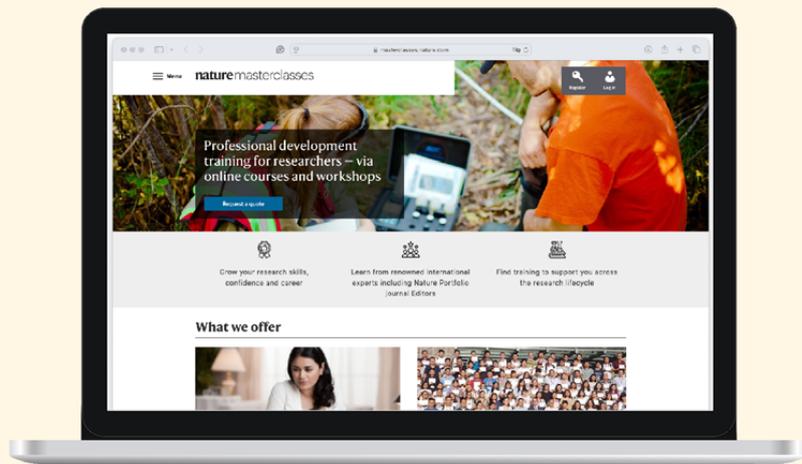
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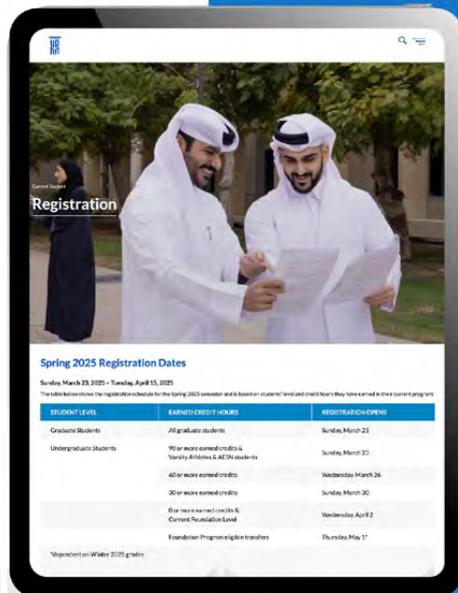
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21 APR	21 APR	08:00- 14:00	أساسيات مايكروسوفت باور بويت MS Powerpoint Basic	في حرم الجامعة On-Campus	الاثنين Monday	تكنولوجيا المعلومات IT
22 APR	23 APR	08:00- 14:00	مايكروسوفت باور بويت المستوى المتقدم MS Powerpoint Advanced	في حرم الجامعة On-Campus	الثلاثاء - الأربعاء Tue - Wed	
27 APR	29 APR	08:00- 14:00	مايكروسوفت باور بي آي MS Power BI	في حرم الجامعة On-Campus	الأحد - الثلاثاء Sun - Tue	
28 APR	29 APR	08:00- 14:00	أتمتة العمليات الروبوتية Robotic Process Automation	في حرم الجامعة On-Campus	الاثنين - الثلاثاء Mon - Tue	
28 APR	29 APR	08:00- 14:00	إنترنت الأشياء Internet of Things	في حرم الجامعة On-Campus	الاثنين - الثلاثاء Mon - Tue	
28 APR	29 APR	08:00- 14:00	التقنيات والتطبيقات الناشئة Emerging Technologies and Applications	في حرم الجامعة On-Campus	الاثنين - الثلاثاء Mon - Tue	
15 APR	6 JUN	08:00- 14:00	التحضير لاختبارات IELTS Academic IELTS Prep	في حرم الجامعة On-Campus	السبت Saturday	الدراسات العامة GENERAL STUDIES

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