



MONTHLY

# NEWSLETTER

NATIONAL UNIVERSITY OF TECHNOLOGY (NUTECH)

SEPTEMBER EDITION



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National University of Technology



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National University of Technology



# NUTECH MILESTONES

## ORIENTATION WEEK MARKS THE COMMENCEMENT OF ACADEMIC YEAR AT NUTECH)

NUTECH successfully organized a comprehensive Orientation Week to warmly welcome its incoming undergraduates for the academic year 2025–26. This year, NUTECH proudly welcomes over 650 students enrolled in Bachelor of Science (BS) programs, including Civil Engineering, Mechanical Engineering, Electrical Engineering, Computer Engineering, Engineering Technology (Civil), Computer Science, Software Engineering, Artificial Intelligence, Cyber Security, and Information Technology. The comprehensive Orientation Week is designed to facilitate the smooth integration of new students into NUTECH's academic environment, providing them with the foundational knowledge and resources necessary to excel throughout their academic journey.

Newly enrolled students were introduced to NUTECH's mission, vision, and core values. The detailed briefings on the academic system, code of conduct, grading policies and extra-curricular opportunities were also given. Heads of Departments presenting overviews of their respective departments, sharing insights about academic programs, and extending a warm welcome to the new students. Integral components of the orientation included document collection, ID card photo sessions, campus visit and interactive discussions with faculty members and senior University officials. These activities were aimed at developing a sense of belonging and ensuring students have direct access to essential resources.

In his keynote address, the Pro-Rector encouraged the new students to embrace innovation, discipline, and lifelong learning as guiding principles throughout their academic journey. He emphasized the University's commitment to nurturing well-rounded graduates who are prepared to meet the challenges of the future.

From academic counseling and mentorship to health and wellness support, the orientation program ensured that students are well-prepared, informed, and connected from day one at NUTECH.



## ORIENTATION WEEK BATCH 2025

### WELCOME RECEPTION



### ACADEMIC BRIEFING



### DOCUMENT COLLECTION



### FACILITATION DESK





# ACADEMIC EXPANSION

**NUTECH LAUNCHES NEW MS AND PHD PROGRAMS, SHOWCASED INTERNATIONAL COLLABORATION THROUGH MS IN CLIMATE CHANGE AND ENVIRONMENTAL INFORMATICS (CCEI)**



NUTECH has officially launched new MS programs in Artificial Intelligence Engineering, Electrical Engineering, and Mechanical Engineering, along with a pioneering European Union funded MS program in Climate Change and Environmental Informatics (CCEI), aimed at addressing environmental challenges through data-driven solutions.

In a significant expansion of its academic portfolio, NUTECH also announced the introduction of PhD programs in Civil Engineering, Computer Engineering, and Computer Science, reinforcing its commitment to advanced research, innovation, and the development of highly skilled professionals in emerging fields.

The launch ceremony was held at NUTECH, attended by esteemed dignitaries, including H.E. Mr. Philipp Oliver Gross (Chargé d'Affaires, EU to Pakistan), H.E. Mr. Philip Oliver Charged' Affairs of EU, H.E. Dr. Dan Stoenescu (Ambassador of Romania), H.E. Ms. Ina Lepel (Ambassador of Germany), Ms. Mary O'Neill (Ambassador of Ireland), Mr. Peter Emil Nielsen Charge Affairs Interim and Mr. Tihomir Madzhev First Secretary Embassy of Bulgaria

During the event, the delegation was briefed on the EURAMUS ACTIVE Project, as well as NUTECH's innovative academic model and national contributions in applied technological education. On the occasion, H. E. Mr. Philipp Oliver Gross (Charge d'Affaires, EU to Pakistan) highlighted that the new launched MS Climate Change and Environmental Informatics program will equip students to tackle climate change with confidence and innovation.

Lastly, H.E. Dr. Dan Stoenescu (Romanian Ambassador) and H. E. Ms. Ina Lepe (German Ambassador) also commended NUTECH's academic leadership in starting the new program and enrollment of students in MS programs exceeding expectations, which will open new endeavors, encourage academic response to real solutions and make meaningful innovation with the highest close collaboration with industries.





# COLLABORATION

## NUTECH AND OCTAVE TECHNOLOGY SOLUTIONS (OTS) SIGNED A MEMORANDUM OF UNDERSTANDING (MOU) TO ADVANCE DIGITAL MANUFACTURING INNOVATION

Octave Tech Solutions (OTS) hosted an International Summit on Redefining Digital Manufacturing: Concept-to-Product held at Shamadan Hall, Serena Hotel, Islamabad. The occasion was graced by the esteemed Federal Ministers Mr. Rana Tanveer Hussain (Minister for National Food Security & Research) and Mr. Ahsan Iqbal, (Federal Minister Planning, Development & Special Initiatives and Inter-Provincial Coordination), as chief guests. They were joined by Eng. Moazzam Ejaz Rector of NUTECH who delivered the keynote address. In his speech he underscored the vital importance of academia-industry linkages, he emphasized the importance of integrating digital technologies into the product development life cycle and commended OTS's pioneering contributions in the field of digital manufacturing, lauding its role in advancing Pakistan's technological and industrial frontier.



NUTECH has entered into a Memorandum of Understanding (MoU) with Octave Technology Solutions (OTS) to foster Human Resource Development and working towards establishing state-of-the-art Human Resource Development Centre, equipped with digital manufacturing solutions. This collaboration marks a pivotal milestone in advancing digital manufacturing capabilities and strengthening Pakistan's technological ecosystem.

The MoU also establishes a framework for collaboration between NUTECH and OTS to promote joint research, technological innovation and knowledge exchange in the domain of digital manufacturing. This partnership is designed to support the development of smart manufacturing capabilities and prepare a future-ready workforce equipped with Industry 4.0 skills.

This strategic partnership reflects NUTECH's commitment to leading the transformation of Pakistan's manufacturing sector by working closely with industry partners to foster innovation, enhance technical education, and drive sustainable industrial growth.

## NUTECH ORGANIZES SEMINAR ON GERMAN OPPORTUNITIES AND EDUCATION PATHWAYS



NUTECH, in collaboration with Pakistan to Germany Studies Education Consultancy (P2GS) and the Eurasia Institute, Berlin, organized a seminar to guide its students on higher education and career opportunities in Germany. Mr. Andrew, Founding Director of the Eurasia Language Institute, Berlin, delivered the keynote session, highlighting admission pathways to German universities, scholarship options, vocational training programs, and language learning opportunities. He highlighted the importance of language proficiency, intercultural awareness, and technical skills as key factors for success in Germany's academic and professional environment. The seminar equipped students with practical insights into navigating the German education system and building international career pathways.

# SESSIONS

## NUTECH ORGANIZED AN INTERACTIVE SESSION WITH OCTAVE TECHNOLOGY SOLUTIONS (OTS)



In a significant step toward bridging academia and industry, NUTECH conducted an engaging and insightful interactive session titled “Redefining Digital Manufacturing: Concept-to-Product” in collaboration with Octave Technology Solutions (OTS). The session focused on cutting-edge digital manufacturing technologies and their transformative potential across industries in Pakistan.

The event featured speakers from OTS and Shining 3-D China. Mr. Balaj (Technical Manager - OTS), Ms Winey (Manager - Shining 3-D) and Mr. Khalid Qaeem Ghorri (Tech expert - OTS), delivered a series of impactful presentations on Introduction to Digital Manufacturing & 3D Scanning Technology, Overview of Precision Measurement Technologies, Digitalizing Pakistan: The Transformative Power of 3D Scanning Across Industries, Precision Coordinate Measuring Machine for Zero Defect Production.

A live demonstration of OTS Industrial Technological Projects was also displayed during the session to the students for practical exposure to industry-grade technologies. Faculty and students took keen interest in gaining knowledge about cutting edge technologies and their applications.

NUTECH reaffirmed its commitment to providing students with practical, industry-relevant learning opportunities that prepare them to meet the demands of a rapidly evolving technological landscape. This collaborative event served as a platform for students to engage directly with industry experts, enhancing their understanding of emerging technologies and their role in shaping the future of manufacturing in Pakistan.

## NUTECH CONDUCTS CAPACITY BUILDING SESSION ON YOUTH DRUG ABUSE

NUTECH has conducted a capacity-building session focused on combating youth drug abuse and highlighting the critical role of faculty in addressing such issues. The event aim was to educate faculty about the harmful effects of drug addiction on health as well as on the personal and professional life of students. Dr. Ghazanfar Ismail Noor Sheikh (Governor at Kingston Hospital, Surrey, UK) shared valuable insights about the psychological and physical consequence of using harmful drugs and emphasized the importance of role and responsibilities of parents, faculty, supporting staff and educational institutions in prevention and early identification for student support. He emphasized to empower university personnel with the knowledge and tools to identify, intervene, and support students facing substance abuse challenges, reinforcing NUTECH’s commitment to a healthy and safe academic environment.





## INTERACTIVE SESSION ON "GLOBAL SKILLS FOR LOCAL TALENT: HOW TO SUCCEED IN INTERVIEWS & MULTINATIONAL ENVIRONMENTS"

To empower students with the essential interviewing skills needed to thrive in competitive job markets and multinational work environments, NUTECH organized a seminar titled "Global Skills for Local Talent: How to Succeed in Interviews & Multinational Environments." With his extensive experience in international professional environments, Engr. Syed Muhammad Baarij shared valuable insights on effective interview preparation, pathways for success in the corporate world, global communication techniques and strategies for building sustainable careers within multinational organizations.

Such interactive sessions can be a significant step towards preparing students for the global job market. NUTECH remains committed to offering interactive programs to prepare its students for global career opportunities.



## FACULTY INTERACTIVE SESSION WITH DR. QAISER MAQBOOL FROM TECHNISCHE UNIVERSITÄT WIEN (TU WIEN – AUSTRIA) AT NUTECH

Dr. Qaisar Maqbool, a distinguished Materials Scientist from the Institute of Materials Chemistry (IMC), Technische Universität Wien (TU Wien – Austria) delivered an insightful talk to the faculty of NUTECH on "Turning Waste into Clean Energy for a Sustainable Future"

The session focused on role of integrating cutting-edge advancements in smart upcycling and green nanotechnology, emphasizing their potential role in providing affordable, scalable, and eco-friendly solutions for the energy sector. Dr. Maqbool also shared his pioneering research on converting industrial and electronic waste into advanced nanomaterials, highlighting their applications in clean energy technologies.

Faculty members engaged actively during the Q&A session, reflecting the growing commitment at NUTECH to foster interdisciplinary collaboration and sustainable research practices. NUTECH continues to focus on enhancing research capabilities, promoting professional development, and promoting a culture of innovation and industry collaboration.



## LECTURE ON "DECISION MAKING AND PROBLEM-SOLVING SKILLS TO EMPOWER STUDENTS" FOR ACADEMIC AND PROFESSIONAL SUCCESS

National University of Technology (NUTECH) conducted an interactive lecture on "Decision Making and Problem-Solving Skills". The session focused on practical strategies to improve analytical reasoning, critical thinking, and problem-solving abilities. Students were introduced to structured decision-making frameworks and innovative techniques to address complex challenges efficiently. Students also gained valuable insights into the cognitive biases and environmental factors that can influence their decision-making abilities. With this initiative, NUTECH reaffirms its commitment to nurturing essential life skills, ensuring students are not only prepared to excel academically but also confident in tackling the challenges of competitive professional landscapes. By providing them with the knowledge to break through decision-making barriers, NUTECH continues to lead in empowering its students to make sound decisions and preparing its students to address academic challenges and competitive professional environments with confidence.



# VISITS

## IRAQI DELEGATION VISITS NUTECH TO EXPLORE EDUCATIONAL COLLABORATION

An Iraqi delegation, headed by Mr. Safaa Hussein Ahmed Al Sammarraie Director General of Department of Immigration-Affairs (Ministry of Migration and Displacement, MoMD) along with senior officials visited NUTECH. The delegation was briefed on the NUTECH role as a "University for Industry", highlighting its academic programs, innovative skills development model and international collaborations with institutions in Finland, China and Japan.



Mr. Safaa Hussein Ahmed Al Sammarraie commended NUTECH's contribution to equipping youth with those technical skills aligned with the demands of the modern technological era. He expressed a keen interest in exploring future joint educational partnerships and initiatives between NUTECH and Iraqi educational institutions and Universities. Later, the Iraqi delegation visited Skills Development Department, Skills Labs, NUTECH Entrepreneur and Incubation Centre (NEIC). This visit marks a significant step toward potential academic and technical cooperation, with promising opportunities for knowledge exchange and capacity building between NUTECH and Iraqi institutions in the near future.

## STUDENTS AND FACULTY OF CADET COLLEGE RAZMAK VISITED NUTECH ADMISSION AWARENESS CAMPAIGN

NUTECH actively facilitates school and college visits to promote higher education and career development. These visits aim to highlight NUTECH's facilities, programs, and mission as a "University for Industry," potentially inspiring students to pursue higher education at the University. A delegation of 30 students along with 6 faculty members of Cadet College Razmak visited NUTECH, as part of an Admission Awareness Campaign.

Director Admissions and his team interacted with the students and motivated them to join NUTECH in the future for undergraduate and skills programs. A detailed briefing on undergraduate programs offered, admission criteria, scholarship opportunities, and campus facilities available at NUTECH was given to the students. After the briefing, the students visited the NUTECH campus, including classrooms, labs and library. The students admired the University's state-of-the-art infrastructure and showed strong interest in joining NUTECH in the future.





## BANK AL- HABIB DELEGATION VISITED NUTECH

The Head of Retail Banking from Bank AL Habib is scheduled to visit NUTECH for an official call-on meeting. The purpose of this visit is to strengthen institutional relations between the bank and the university, and to explore potential areas of collaboration. During the meeting, discussions may focus on initiatives such as student banking solutions, financial literacy programs, internship opportunities, and other services that could benefit NUTECH. It is expected to open the way for future partnerships that promote financial awareness, support student development, and contribute to the overall growth and innovation goals of both institutions.



## EDUCATIONAL EXPO

## Education Malaysia Global Services (EMGS) Hosts Prestigious International Education Expo at NUTECH

NUTECH hosted an International Education Expo, organized by Education Malaysia Global Services (EMGS) under the Ministry of Higher Education, Malaysia to strengthen educational ties between Pakistan and Malaysia. Pro-Rector (NORIC) warmly welcomed the Deputy Head of High Commission of Malaysia and EMGS delegation. During the interaction, avenues for collaboration in academic programs, joint research, faculty training, student exchange etc were discussed with Malaysian delegation. Representatives from 12 leading Malaysian universities including Universiti Kuala Lumpur (UniKL), Universiti Tuanku Abdul Rahman (UTAR), Multimedia University (MMU), UCSI University, Universiti Tenaga Nasional (UNITEN), Universiti Malaysia Terengganu (UMT), MSU University, INCEIF University, University of Cyberjaya (UOC) and Asia Pacific University (APU), interacted directly with NUTECH students. The event reaffirmed NUTECH's commitment to equipping students with world-class educational opportunities and global exposure through meaningful international collaborations.



# EXTRA & CO-CURRICULAR ACTIVITY

## NUTECH Hosts Live Screening of Asia Cup 2025 Final for Students and Faculty

NUTECH organized a live screening of the Asia Cup 2025 Final between Pakistan and India in the university auditorium, transforming the space into a hub of excitement and national pride. Students and faculty gathered in large numbers to witness the much-anticipated clash on the big screen, creating a lively atmosphere filled with cheers, anticipation, and celebration. The energy in the auditorium reflected the passion and unity of the NUTECH community as everyone came together to support their favorite team. The event provided a refreshing break from academic routines, allowing participants to relax and share in a collective moment of joy and sportsmanship. Such activities highlight NUTECH's ongoing commitment to building a dynamic and inclusive campus culture that values both academic excellence and community engagement. The memorable evening reinforced the spirit of togetherness, showcasing how shared experiences can strengthen bonds across students, faculty, and staff.



## EID MILAD-UN-NABI (P.B.U.H) CELEBRATIONS AT NATIONAL UNIVERSITY OF TECHNOLOGY (NUTECH)



NUTECH commemorated Eid Milad-un-Nabi (P.B.U.H) with religious zeal in a ceremony organized by the Office of Student Affairs. The event aimed to equip the students about the life, teachings, and exemplary character of the Holy Prophet Muhammad (P.B.U.H). The ceremony featured recitation of Naats and speeches by students, focusing on various aspects of Seerat-un-Nabi (P.B.U.H). Renowned speaker Mr. Raja Zia-ul-Haq, CEO Youth Club, delivered a keynote address, inspiring the students to focus on the moral transformation brought by the Holy Prophet (P.B.U.H) and stressed the importance of reconnecting with prophetic values in today's fast-paced and materialistic world. His message resonated strongly with the youth, as he urged them to lead purpose-driven lives rooted in faith, character, and service.



# Alumni & Student Corner

## Alumni

### Ayesha Ashfaq

BS Electrical Engineering  
(2020–2024), NUTECH

When I joined NUTECH in 2020, the world was still under the shadow of COVID-19. I had missed many major university admissions due to travel restrictions and uncertainty, and I entered Electrical Engineering with hesitation and self-doubt. On my very first day, Dr. Qamar Wali reminded me that I had earned my place on merit words that stayed with me through every challenge. When my first semester ended with a scholarship, I finally began to believe in myself. My transformation truly began in the fourth semester with my ICAT project Home Automation System, supervised by Sir Abdul Basit Taj. Those weeks changed me completely. Being a girl in engineering I broke stereotypes by working on ground as confidently as any of my male peers testing circuits, visiting markets, and building from scratch.



The wave of innovation that semester drew national media attention, and Geo News anchor Hamid Mir visited NUTECH to feature student projects. I was honored to be among those interviewed, a moment that reflected not only technical growth but also the confidence and professionalism my university nurtured in me.

Despite facing serious health challenges, I continued to push forward. My team and I won Innovate a thon 2.0, competing among top universities of Pakistan, and our final year project Smart Rapid Rider, a self balancing solar and electric hybrid car supervised by Dr. Waqar Uddin, earned a Gold Medal and national recognition. Alongside academics, I worked as a freelancer for international clients, strengthening my independence and skills.

Today, I proudly serve as a Lab Engineer at NUTECH, the institution that transformed me from a hesitant student into a confident engineer and mentor. I have also been admitted to Sapienza University of Rome with a scholarship an opportunity that reflects how deeply NUTECH shaped my journey.

My university taught me a lesson I'll carry for life: when things get hard, you don't give up you grow through them.

## Student Review

### Ammara Noor

#### Chief coordinator NSC

BS CEN— BATCH 2022

I am Ammara Noor, currently enrolled in the BS Computer Engineering program at NUTECH and serving as the NSC Chief Coordinator in the NUTECH Student Council. As a 7th-semester student, I am experiencing an exceptional academic and personal growth journey. The student-teacher environment is highly supportive, encouraging, and professional. NUTECH continues to provide me with valuable opportunities to enhance my skills, take on leadership roles, and represent the student body with confidence. My involvement in various curricular and co-curricular activities is strengthening my leadership, teamwork, and communication abilities. I feel proud to be part of an institution that emphasizes discipline, innovation, and student development. Overall, my experience at NUTECH has been truly remarkable and transformative.

