

Evidence(s) THE Impact Ranking 2025

University Dawood University of Engineering & Technology (DUET), Karachi
Country Pakistan
Web address <https://duet.edu.pk/sdgs/>
SDG 1.4.1 Assistance to the local community in supporting the startup of financially and socially sustainable businesses.

DUET provides significant assistance to the local community in supporting the startup of financially and socially sustainable businesses. The keyways DUET supports such initiatives:

CEMET Business Incubation Centre:

DUET's Centre for Entrepreneurship Management & Emerging Technologies (CEMET) supports innovative startups, particularly in sectors like food processing, through its Business Incubation Centre.

Startups receive exclusive access to university facilities, including cutting-edge laboratories for research, product development, and innovation.

CEMET fosters entrepreneurship in sustainable and knowledge-driven fields, providing mentorship, guidance, and resources to help local businesses flourish.

Financial Assistance:

The university offers a funding grant of PKR 1 million to startups through the incubation centre, specifically targeting projects that contribute to sustainability, resource optimization, and economic



CALL FOR PROPOSALS

Startup Innovation in Sustainable Food Processing in Suburbs of Sukkur, Rohri & Khairpur

The Business Incubation Centre at Center for Entrepreneurship Management & Emerging Technologies (CEMET) is thrilled to invite innovative startups to submit proposals that align with our mission to transform the food processing industry into a sustainable, efficient, and value-driven sector. Our goal is to support projects that address key challenges and opportunities in the food processing domain, with a focus on increasing product shelf life, minimizing wastage, and promoting a knowledge-driven economy.

Thematic Areas

- ☐ **Sustainable Food Processing (SDG 12, 2, 3, 9):** This theme encompasses efforts to make food processing more sustainable by increasing the shelf life of products, minimizing wastage, and adding sustainable value. It also emphasizes the creation of marketable and exportable products while utilizing byproducts and adopting waste-to-product and waste-to-energy approaches to reduce environmental impact.
- ☐ **Knowledge Driven Innovation (SDG 9, 4, 8):** This theme focuses on leveraging knowledge and technology to drive innovation within the food processing industry. It encourages startups to develop solutions that create a knowledge-driven economy by utilizing data, analytics, and cutting-edge technologies to improve processes and outcomes.
- ☐ **Efficiency and Resource Optimization (SDG 9, 12, 13):** Efficiency Enhancement is at the core of this theme. It emphasizes the need for startups to innovate and optimize industrial processes to increase efficiency while reducing resource consumption. The goal is to improve productivity and reduce environmental footprint.
- ☐ **Circular Economy & Waste Management (SDG 12, 13, 14):** This theme revolves around creating a circular economy within the food processing industry. It promotes the utilization of waste by adopting waste-to-product and waste-to-energy approaches while also encouraging recycling solutions to manage waste effectively and sustainably.

Benefits

- ☐ **Job Creation & Economic Growth (SDG 8, 1, 9):** The focus of this theme is on initiatives that contribute to job creation and stimulate economic growth within the food processing sector. It encourages startups to develop projects that not only innovate but also have a positive impact on the workforce and local economies.
- ☐ Exclusive access to the CEMET Business Incubation Centre
- ☐ Funding grant of PKR 01 million
- ☐ Networking with fellow innovators, partners and investors

How to Take Part

- ☐ Prepare a comprehensive proposal outlining your idea
- ☐ Highlight its uniqueness, feasibility and potential impact on local communities and industries
- ☐ Submit your proposal at <https://duet.edu.pk/>
- ☐ Shortlisted candidates shall be invited to present their ideas to a panel of experts
- ☐ For more details visit <https://duet.edu.pk/>

Contact Info
 Prof. Dr. Ghulamullah Maitlo,
 Director CEMET/Dean, Faculty of Technology
ghulam.maitlo@duet.edu.pk

Last Date of Submission
20th October 2023

growth.

This financial support helps startups with product development, reducing wastage, and promoting exportable products, which in turn encourages the growth of financially and socially sustainable businesses.

Education and Training:

The university emphasizes knowledge-driven innovation through training workshops and educational programs. Startups are encouraged to use data, analytics, and modern technologies to drive their ventures forward.

DUET fosters a circular economy approach by promoting waste-to-product and waste-to-energy solutions, contributing to sustainable business models.

Networking and Mentorship:

The Business Incubation Centre offers startups access to a network of fellow innovators, partners, and investors, creating opportunities for growth and knowledge-sharing.

Mentorship programs are also provided, helping startups refine their ideas and maximize their potential impact on local economies and communities.

Collaboration and Partnerships

DUET has partnerships with various regulatory bodies, such as the Pakistan Nuclear Regulatory Authority (PNRA), which explores collaboration in fields like energy systems and environmental protection, providing an avenue for startups to engage with key industry players.



**CALLING ALL
CREATIVE
MINDS**

DAWOOD UNIVERSITY OF ENGINEERING AND TECHNOLOGY INVITES YOU TO USE YOUR INTUITIVE BRAIN IN **SOLVING PAKISTAN'S TOP PROBLEM**. AS HOST INSTITUTION, DUET IS INVITING ALL STUDENTS AND FACULTY TO NATIONAL IDEA BANK III

NATIONAL IDEA BANK III IS READY TO ACCEPT **NEW IDEAS**, AND THIS TIME, THEY ARE ON A MISSION TO TACKLE ONE OF OUR NATION'S MOST PRESSING CHALLENGES.

PROBLEM STATEMENT

THE NEGATIVE BALANCE OF TRADE. WE IMPORT A LOT AND EXPORT VERY LITTLE, BUT TOGETHER, WE CAN FIND THE OPPORTUNITIES TO CHANGE THAT NARRATIVE.

- A CHANCE TO BE INVITED TO **SILICON VALLEY** FOR AN EXCLUSIVE THREE-DAY TRAINING AND ONE-ON-ONE MEETINGS WITH SILICON VALLEY'S TOP INVESTORS.
- ON SEPTEMBER 17 AT 11:00AM PAKISTAN TIME, YOU WON'T WANT TO MISS THE OPPORTUNITY TO HEAR FROM THE NIB FOUNDER AND CHAIRPERSON OF ASPIRE PAKISTAN ON THE INTRIGUING TOPIC OF **"WHERE DO IDEAS COME FROM?"**
- REGISTER NOW TO SECURE YOUR SPOT AT THIS ONLINE TRAINING SESSION, WHERE YOU'LL LEARN, COLLABORATE, AND EMBARK ON A JOURNEY TO SHAPE THE FUTURE OF TRADE.

DR. ABDUL SAMI
FOCAL PERSON FOR NIB III
DIRECTOR, CAREER COUNSELING AND PLACEMENT BUREAU
DUET, KARACHI.

REGISTER HERE:
<https://nibpk.org/nib-event-registration>



These efforts demonstrate DUET's active role in not only providing financial assistance but also delivering educational resources, mentorship, and facilities that empower the local community to establish sustainable and socially responsible businesses.

1 NO POVERTY



Dawood UET actively contributes to No Poverty by rigorously promoting educational equity and reducing financial barriers for students. This is achieved through substantial direct financial aid:

- **External Funding Scholarships:** Rs. 95,328,800 provided to 1,240 students.
- **DUET Scholarship Phase-I:** Rs. 5,080,600 provided to 42 students.
- **DUET Scholarship Phase-II:** Rs. 27,705,600 provided to 273 students.

In total, DUET has disbursed Rs. 128,115,000 to 1,555 Students, enabling access to higher education as a core mechanism for breaking the cycle of poverty.

PARTNERSHIPS & COLLABORATIONS

Agreement Signed Between GWALPHA (Private) Limited, National Aerospace Science and Technology Park (NASTP) Karachi and Dawood University of Engineering and Technology (DUET)

A New Era of Innovation Begins:

DUET Signs Landmark Deal with NASTP to Launch RPDU

In a major step toward enhancing industry-academia collaboration and advancing applied research, Dawood University of Engineering and Technology (DUET), Karachi, signed a license agreement with GWALPHA (Private) Limited, National Aerospace Science and Technology Park (NASTP) Silicon Valley, on 13th June 2025. The agreement enables the establishment of DUET's Research Products Development Unit (RPDU) within the high-tech premises of NASTP Silicon Karachi.

The formal signing ceremony took place at DUET's main campus, marking a historic first for NASTP—signing an agreement outside their own premises. On behalf of NASTP, Air Commodore (Retd.) Syed Muhammad Ghayassuddin, Director General of NASTP Silicon Valley Karachi, signed the agreement alongside Prof. Dr. Syed Asif Ali Shah, Registrar of DUET. The event was also attended by Mr. Muhammad Yusuf Munim Muhajir (Manager Marketing, NASTP Silicon), Mr. Syed Ahsan Anwar (Staff Officer to DG NASTP), and other distinguished guests including Dr. Muhammad Fayyaz Ahmed (Controller of Patents, IPO), Engr. Muhammad Rizwan and Ms. Shams u Nisa (Senior Examiners, IPO), and Engr. Muhammad Zakir Shaikh (Director, National Center for Robotics, Automation and Artificial Intelligence).

During their visit, the NASTP delegation and invited guests were given a tour of DUET's state-of-the-art laboratories and ongoing student projects. Vice Chancellor Engr. Prof. Dr. Samreen Hussain (S.I, T.I) personally welcomed the dignitaries and highlighted DUET's vision of aligning academic research with industry needs.

The establishment of the RPDU at NASTP Silicon Valley—under DUET's Office of Research, Innovation and Commercialization (ORIC)—is a milestone that reflects the university's commitment to driving commercialization of research and nurturing real-world innovation. The unit will serve as a strategic platform for students, graduates, and faculty to collaborate on cutting-edge product development, leveraging the infrastructure and networks available at NASTP.

Commenting on the significance of the occasion, Air Commodore (Retd.) Ghias appreciated the decision to host the signing ceremony at DUET, noting that it allowed him and his team to gain deeper insight into the university's ongoing efforts and future potential. He remarked that the visit had been "truly productive and fruitful."

Vice Chancellor Prof. Dr. Samreen Hussain stated that having RPDU housed at NASTP Silicon Valley is a step toward materialising the very idea of commercialization and effective industry-academia linkages. She reiterated DUET's resolve to transform innovative ideas into tangible outcomes that contribute to the nation's technological advancement.

This partnership signals a new chapter of innovation-led collaboration, placing DUET firmly on the map as a forward-thinking institution driving economic and technological growth through applied research.

PARTNERSHIPS & COLLABORATIONS

Agreement Signed Between GWALPHA (Private) Limited, National Aerospace Science and Technology Park (NASTP) Karachi and Dawood University of Engineering and Technology (DUET)



PARTNERSHIPS & COLLABORATIONS

ZIMBABEAN DELEGATION VISITS DAWOOD UNIVERSITY TO EXPLORE ACADEMIC COLLABORATION

A state-level delegation from Zimbabwe, under the Department of Presidential and National Scholarship, visited Dawood University of Engineering and Technology (DUET), Karachi, on April 22, 2025. The visit was organized in coordination with the Pak-Africa Economic Council (PAEC), aiming to strengthen educational and business ties between Pakistan and African nations. The delegation was led by Hon. Raymore Machingura (M.P), Executive Director, along with Dr. Wadzanai Kachere, Dr. William Taringa, Dr. Dennis Murekachiro, Dr. Raphael Makota, and Mr. B. Chikoze.

One of the key purposes of the visit was to meet Zimbabwean students currently enrolled at DUET and to explore further opportunities to send more students in the future. Discussions were held around the possibility of allowing Zimbabwean candidates to apply through open merit seats, enabling them to enter via the same admission process as local students—beyond the routine nomination system. Prof. Dr. Tauha Hussain Ali, Vice Chancellor of Mehran University of Engineering and Technology (MUET), also graced the occasion. DUET is grateful to him for taking the time to visit, engage with the delegates, and participate in healthy and productive discussions that enriched the exchange.



Engr. Prof. Dr. Samreen Hussain (S.I, T.I), Vice Chancellor of DUET, welcomed the esteemed guests and gave a comprehensive introduction to the university, its academic offerings, research initiatives, and admission criteria. The meeting was attended by the Pro Vice Chancellor, Registrar, Deans of all faculties, and the Director of Student Affairs. Following the session, the delegation visited a student project exhibition where students from various departments presented their innovative projects, reflecting DUET's strong emphasis on hands-on learning and creativity.

PARTNERSHIPS & COLLABORATIONS

ZIMBABEAN DELEGATION VISITS DAWOOD UNIVERSITY TO EXPLORE ACADEMIC COLLABORATION



STUDENT'S PROJECT SHOWCASE



PARTNERSHIPS & COLLABORATIONS

SHARING EXCELLENCE: AN ACADEMIC EXCHANGE



HONORING INTERNATIONAL VISITORS



A SYMBOL OF GLOBAL CONNECTION: DAWOOD UNIVERSITY RECEIVES INTERNATIONAL GESTURE



PARTNERSHIPS & COLLABORATIONS

DUET SIGNS MOU WITH NETS TO ENHANCE INDUSTRY-ACADEMIA COLLABORATION

Dawood University of Engineering and Technology (DUET) has taken a significant step towards bridging the gap between academic learning and industry practice by signing a Memorandum of Understanding (MoU) with NETS International Communication Ltd., on 22nd April, 25, a renowned public limited company operating in Pakistan, the United Kingdom, Germany, and the Middle East. This partnership, made possible through the dedicated efforts of DUET's Director ICT, Dr. Izhar Zaidi, is poised to bring transformative opportunities for the students of DUET. As part of the MoU, NETS has agreed to sponsor a hackathon at the university, offering students the chance to engage in real-world problem-solving through hands-on, practical experience.

In addition to the hackathon, NETS expressed keen interest in offering both internship and job opportunities to DUET students, paving the way for promising career prospects in the national and international tech landscape. An exciting component of the collaboration includes the integration of industry-led instruction into the academic framework. While DUET faculty will continue to deliver the core 45 lectures out of a standard 48-lecture semester, the remaining three will be conducted by industry professionals from NETS. This blend of academic and industrial perspectives is expected to significantly enrich the learning experience of students.



NETS will also conduct specialized seminars to help students understand current industrial trends, challenges, and emerging opportunities, further preparing them for dynamic professional environments. To ensure effective coordination of all joint initiatives, the Directorate of Industrial Liaison and Placement Bureau (DILPB) at DUET will serve as the central point of contact. The NETS delegation was led by Chief Executive Officer Muhammad Nadeem, accompanied by Regional Sales Manager Yasir Zeeshan and Key Account Manager Shumaila Shaheen. DUET was represented by Dean Faculty of Information & Computing Sciences Prof. Dr. Atif Jamil, Director ICT Dr. Izhar Zaidi, Director DILPB Dr. Dawood Idress, and Director CPD Dr. Zubair Soomro.

This collaboration marks a promising beginning toward nurturing innovation and strengthening ties between academia and industry, reinforcing DUET's vision of producing future-ready engineers.

PARTNERSHIPS & COLLABORATIONS

DUET SIGNED LETTER OF AGREEMENT (LOA) WITH NATIONAL INSTITUTE OF DISASTER MANAGEMENT (NIDM), NDMA

Upon the invitation of Mr. M. Tanveer Piracha, Executive Director NIDM, Engr. Prof. Dr. Samreen Hussain (S.I., T.I.), Vice Chancellor Dawood UET, Karachi visited the National Disaster Management Authority Pakistan (NDMA) to sign letter of agreement (LoA) on 16th April, 25. It was decided that the students' society of Disaster risk & resilience (DRR) for rescue operations shall be established and trained by NIDM as Training of Trainers and will cascade the same trainings in universities of Sindh. Faculty of Information & Computing Sciences (I&CS) and Faculty of Civil Engineering & Architecture & Planning (CARP), DUET shall take the lead in providing data sets to NDMA for predictive analysis.



PARTNERSHIPS & COLLABORATIONS

DUET'S WORLD BANK CPF CONSULTATION

In a milestone engagement, a delegation from Dawood University of Engineering and Technology (DUET), led by Registrar Prof. Dr. Syed Asif Ali Shah, with Director CCPB Dr. Abdul Sami Rajput and other faculty members, participated in the World Bank's Pakistan Country Partnership Framework(CPF) consultation at Movenpick Hotel, Karachi. This consultation gathered key stakeholders to provide insights that align the World Bank's strategic support with Pakistan's development goals.



Vice Chancellor Engr. Prof. Dr. Samreen Hussain commended the delegation's efforts, emphasizing their pivotal role in showcasing DUET on an international stage. She noted that such collaborations are crucial for advancing academic and developmental goals, enhancing the university's role in contributing to Pakistan's progress. This engagement underlines DUET's commitment to being at the forefront of developmental initiatives, aligning with both national priorities and global standards.

FOSTERING CULTURAL SYNERGY THROUGH STRATEGIC COLLABORATION

Engr. Prof. Dr. Samreen Hussain (T.I), Vice Chancellor of Dawood University of Engineering and Technology(DUET), and Mr. Muhammad Ahmed Shah, President of the Arts Council Karachi, formalized a landmark partnership to promote cultural collaboration. The Memorandum of Understanding (MoU) was signed during an elegant ceremony held on December 3, 2024, at the Arts Council Karachi, marking a significant step towards strengthening the nexus between academia and the arts.



PARTNERSHIPS & COLLABORATIONS

DUET'S LADIES FUND ENERGY PROJECT

Dawood University of Engineering and Technology (DUET) proudly celebrates the achievements of 13 talented female students who installed a 24 KW solar energy system at Hooseini Yateem Khana, under the LADIES FUND Energy Project. The project, led by Tara Uzra Dawood, CEO of LADIESFUND Energy, provided DUET students with hands-on training and invaluable experience in the energy sector. The all-female team, trained and certified by NED University, completed the installation from July 29th to August 10th, exemplifying DUET's commitment to advancing women's roles in engineering and sustainable energy.

These pioneering students include:

- Arooba Iraqi, Eman Batool, Samra Gul, Sidra Laiq, Sakina Batool (Electronics, 3rd Year)
- Alishba Khan, Hafiza Haya Reham, Maryam Nadeem (Energy and Environment, 3rd Year)
- Fatima Abbas, Marium Afzal, Minha Qureshi, Qirat Fatima, Sabahat Maqbool (Energy and Environment, Final Year).



Vice Chancellor Prof. Dr. Samreen Hussain applauded their dedication and success, affirming DUET's mission to empower female engineers and foster innovation in engineering fields.

COLLABORATIVE INITIATIVE BETWEEN AICHE-DAWOOD UET AND AICHE-NED

On November 5, 2024, the AICHE Dawood UET Chapter engaged in a collaborative session with AICHE NED at NED University, Karachi. The event facilitated knowledge sharing, networking, and discussions on emerging trends in chemical engineering, reinforcing the institutions' commitment to advancing the field through partnerships and academic-industry linkages.



PARTNERSHIPS & COLLABORATIONS

DUET- CEMET EXPLORES INDUSTRY LINKAGE WITH PEPSI BEVERAGES BRIDGING ACADEMIA AND INDUSTRY: A TOAST TO INNOVATION

In a remarkable display of synergy between academia and industry, Prof. Dr. Samreen Hussain (S.I, T.I), Vice Chancellor of Dawood University of Engineering & Technology, along with university leadership, visited Sukkur Beverages Pvt. Ltd on 29th May, 2025. This visit underscores the transformative power of collaboration and exemplifies how universities and industries can unite their strengths to drive innovation, enhance research, and contribute to economic growth. During the visit, Prof. Dr. Samreen Hussain praised the level of commitment demonstrated by all employees and expressed her admiration for the vision and leadership of Mrs. Sayeeda Leghari, CEO of Sukkur Beverages Pvt. Ltd. Mrs. Leghari's leadership was recognized as the driving force behind the company's achievements.

The visit highlighted the potential for further strengthening the relationship between academia and industry through the frequent transfer of knowledge and expertise from both sides. Sukkur Beverages Pvt. Ltd. extends its gratitude to Dr. Samreen Hussain for her visit and looks forward to continued collaboration and mutual growth.



DAWOOD MAKING INROADS WITH NASTP SILICON TO ESTABLISH RESEARCH DEVELOPMENT UNIT

In line with DUET's commitment to sustainability and environmental stewardship, potential joint ventures were discussed with the National Aerospace Science and Technology Park (NASTP), including the promising Urban Forest initiative at Silicon Valley. This collaboration aims to actively engage the DUET Green Youth Movement Force in meaningful climate action and urban greening efforts. The initiative is expected to promote ecological awareness, student involvement in green projects, and long-term environmental impact. A Memorandum of Agreement (MoA) between DUET and NASTP is anticipated to be signed soon, formalizing this strategic partnership for a greener and more sustainable future.



INTERNATIONALIZATION

**DUET GLOBALIZATION: SIGNING MOU WITH SAPIENZA UNIVERSITY,
ROME, ITALY**

&

FOOD BANK (ASSOCIAZIONE BANCO ALIMENTARE ROME) – ABAR

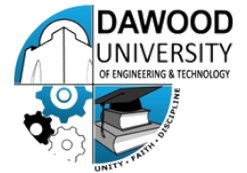


SAPIENZA
UNIVERSITÀ DI ROMA

DUET Goes Global by Signing Two Agreements with an Italian University (Sapienza University and Food Bank (Associazione Banco Alimentare Rome – ABAR) and discussing collaboration possibilities with LUISS Guido Carli University, Rome, Italy on 28th June 2024. Dawood University of Engineering & Technology, represented by Vice-Chancellor Professor Samreen Hussain, has signed the agreement of the Scientific and Cultural Cooperation Department of Computer Science of Sapienza University of Rome, represented by its Director, Prof. Enrico Tronci, and the Faculty of Information & Computing Sciences for student and faculty exchange, joint research activities, and conference organizing. Sapienza's Department of Data Science and Artificial Intelligence is ranked 46th in the world and first in the Italy. Under this agreement, DUET students will have the unique opportunity to study at Sapienza University, with 10 students set to embark on this journey from the next semester. The program offers a tuition-free experience, with students only responsible for their living and travel expenses. During their time at Sapienza University, students will have the freedom to attend courses across various faculties and engage in all university activities, enriching their academic and cultural experiences. **Another significant agreement has been signed between DUET and Associazione Banco Alimentare Roma (ABAR). This partnership will provide DUET students with the invaluable opportunity to intern and work at ABAR, gaining practical insights into the operations of a food bank and the chance to implement best practices with necessary adaptations for Pakistan's context. ABAR will also offer seminars and training to students, further enhancing their learning experience, all without additional fees. ABAR collects tons of food and provides food to millions; it is one of Italy's fastest-growing and innovative associations.** Dr. Samreen also met Professor Irene Finocchi, Director of the BSc in Management and Artificial Intelligence program at LUISS Guido Carli University. Both discussed possibilities of collaboration and agreed to check the syllabus of each university's BS program and align it so they can integrate and launch a program that meets requirements and supports students. Dr. Samreen also met Luigi Ventura, professor of Economics and coordinator of international mobility (outgoing and incoming) at the Faculty of Economics, Sapienza University of Rome. Both discussed possibilities of collaboration at the intersection of Economics and Engineering.

INTERNATIONALIZATION

DUET GLOBALIZATION: SIGNING MOU WITH SAPIENZA UNIVERSITY, ROME, ITALY & FOOD BANK (ASSOCIAZIONE BANCO ALIMENTARE ROME) – ABAR



SAPIENZA
UNIVERSITÀ DI ROMA

