BEU
BAKU ENGINEERING UNIVERSITY

Shaping the Future of ENGINEERING

2025 ANNUAL
Performance & Strategic Outlook

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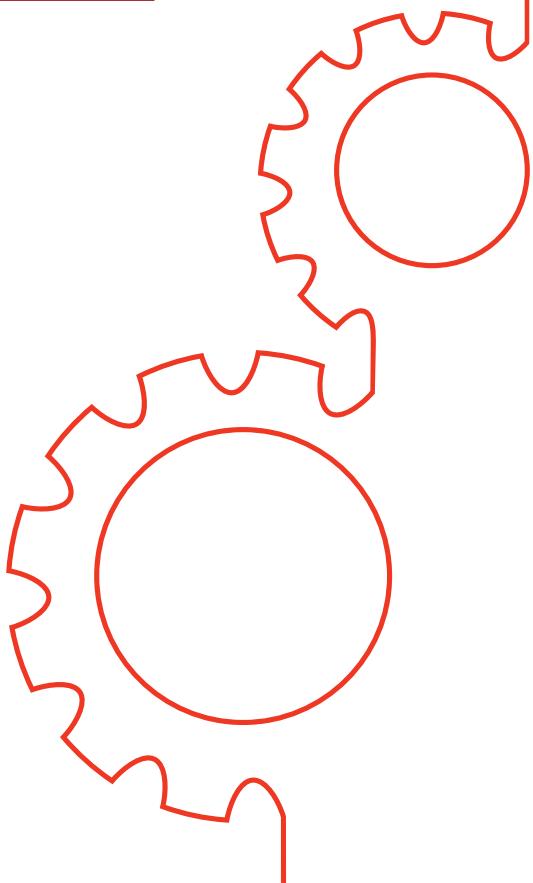


Message From The Rector

The 2025 Annual Performance and Strategic Outlook Report of Baku Engineering University is hereby presented.

Baku Engineering University operates with the mission of preparing highly qualified specialists in the fields of engineering and information technologies, advancing scientific research, and promoting innovative approaches. In line with this mission, the University contributes to the development of a knowledge-based economy and to the continuous improvement of the quality of higher education.

In 2025, the University's activities were focused on strengthening academic capacity and advancing key development priorities in a consistent manner. Improving teaching quality, expanding research activities, developing international cooperation, and implementing digital solutions remained among the University's main areas of focus.

In accordance with the Strategic Development Plan for 2025–2030, Baku Engineering University aims to strengthen its institutional position and reinforce its leading role within the national higher education system, guided by the principles of systematic development, transparent governance, and measurable outcomes.

I would like to express my sincere appreciation to the academic staff, researchers, students, and partners whose efforts contribute to the achievement of these goals.

Sincerely,

Yagub Piriyev

1 Executive Summary

The 2025 Annual Report presents a consolidated overview of Baku Engineering University's institutional progress, academic achievements, and strategic development within the context of national higher education priorities and international benchmarking frameworks. During the reporting period, the University continued to advance its mission of delivering high-quality engineering education, strengthening research and innovation capacity, and contributing to sustainable socio-economic development.

In line with these objectives, the University expanded its academic and research portfolio through the introduction of new majors — Data Analytics, Organization of Tourism Management, and Decorative and Applied Arts. In addition, research, innovation, and entrepreneurship activities demonstrated significant growth. In the 2024–2025 academic year, the University recorded a substantial increase in scientific publications, with strong representation in high-impact journals, and further strengthened its research infrastructure through the establishment of the Cyber Security Laboratory with the support of BP. In parallel, BEU Technopark continued to play a strategic role in applied research, technology transfer, and startup development, while international recognition through certification and participation in global innovation programs reflected the growing maturity of the University's innovation ecosystem.

Internationalization also remained a core area of focus. The continued implementation and expansion of dual-degree programs with international partners, particularly INHA University and Beijing University of Chemical Technology, enhanced curriculum relevance and global academic integration. Moreover, nearly 30 new Memoranda of Understanding were signed, expanding cooperation with international institutions in education, research, and academic exchange. The launch of new degree programs, together with the expansion of international cooperation, resulted in a 48 percent increase in teaching staff at the University.

Another major milestone was achieved through the international accreditation of six undergraduate engineering programs for a five-year period, confirming alignment with recognized global standards and reinforcing graduate competitiveness.

As a result of the University's internationalization efforts, the number of international faculty members and students increased significantly. Student life and global mobility were further enhanced through active engagement in scientific research, innovation activities, and international exchange, attracting students from Asia, Africa, and neighboring regions and strengthening the University's multicultural academic environment.

To support this trajectory of progress and mitigate future operational risks, the University is implementing strategic pivots in its academic and administrative model.

These shifts include a transition toward research-driven growth, the introduction of performance-based management practices, and the alignment of academic programs with evolving labor market needs. A greater emphasis on student-centered development will further strengthen institutional effectiveness, resilience, and long-term sustainability.

Overall, 2025 represented a year of measurable progress and strategic advancement for Baku Engineering University, marked by strengthened academic quality, expanded international engagement, and a more robust research and innovation ecosystem. Building on these achievements, the University remains committed to sustaining growth, enhancing global competitiveness, and contributing meaningfully to national and international higher education and innovation agendas.

Strategic Goals & Vision 2

Baku Engineering University's strategic vision is aligned with national priorities and international higher education standards, focusing on measurable progress in academic quality, research performance, international engagement, and institutional sustainability. During the reporting year, clearly defined strategic targets were systematically implemented, resulting in tangible progress across key priority areas. To strengthen academic and research capacity, a series of professional development trainings were organized, and joint research activities with international partner universities were significantly expanded.

In the area of teaching and learning, enhancing academic quality and modernizing instructional practices remained a central priority. Institutional efforts continued toward integrating modern teaching methodologies into approximately 50% of academic programs. In 2025, six academic programs successfully achieved international accreditation, further reinforcing the University's academic reputation and quality assurance framework. Preparatory work for an additional seven programs to undergo international accreditation has been systematically advanced. Faculty professional development was supported through approximately 50 training and capacity-building programs implemented during the strategic period, directly contributing to improved instructional quality.

Research and innovation activities were further strengthened as a core institutional priority. Under the coordination of the Research Center, four multidisciplinary research groups were established during the reporting year. These groups conducted joint international research projects in collaboration with United Arab Emirates University. Academic staff actively participated in numerous national and international grant competitions, resulting in one research project being awarded funding by the national Science Foundation. In addition, faculty members from the Faculty of Engineering secured a patent through the Intellectual Property Agency, demonstrating the practical applicability and commercialization potential of research outputs.

Student-centered development continued to be a defining institutional value. Academic program quality, effective knowledge delivery, academic advising, and psychological well-being services were systematically reinforced. Career guidance and industry engagement services were continuously provided through the Center for Corporate Relations and Career Development, while medical and psychological support services were delivered by dedicated university units. This integrated support framework contributed to maintaining high levels of student satisfaction and strengthening graduate employability outcomes.

Digital transformation played a critical role in enhancing academic and administrative efficiency throughout the reporting year. The establishment of 10 virtual laboratories and the digitalization of 20 academic courses accelerated the integration of innovative learning platforms into the educational process. The implementation of a fully automated management system further improved operational efficiency and institutional transparency. Infrastructure development targets were fully achieved, including the renovation of 30% of classrooms and laboratories and the modernization of 20% of social and public facilities, significantly improving the overall learning environment.

Internationalization remained a strategic priority aimed at strengthening the University's global academic position. In 2025, nearly 30 international Memoranda of Understanding (MoUs) were signed, expanding BEU's global partnership network. Furthermore, a dual-degree program in three specializations was launched in collaboration with Beijing University of Chemical Technology. These initiatives substantially enhanced the University's international academic integration and global engagement profile.

Academic Excellence & Internationalization 3

Baku Engineering University continues its activities with the aim of becoming a leading institution at the regional and international levels through the provision of modern and high-quality education while upholding core values such as quality, innovation, transparency, equality, and academic freedom, thereby ensuring a student-centered and ethically grounded learning environment. These principles are reflected in the University's ongoing efforts to strengthen academic quality and international recognition.

In this context, one of the most notable achievements has been accreditation. Six undergraduate programs at Baku Engineering University — Information Security, Computer Engineering, Information Technologies, Chemical Engineering, Mechanical Engineering, and Electrical and Electronics Engineering — have received five-year international accreditation from IAAR, confirming their compliance with international standards. This milestone reflects BEU's commitment to quality assurance, graduate competitiveness, and internationally recognized education, with IAAR being recognized by ENQA and registered in EQAR.

In 2025, Baku Engineering University undertook several key structural and institutional initiatives aimed at strengthening its academic and research capacity. The expansion of the Scientific Research Center focused on enhancing research activity and reinforcing the University's overall academic potential. In parallel, the introduction of new academic majors required the establishment of appropriate academic frameworks to support programs in Data Analytics, Organization of Tourism Management, and Decorative and Applied Arts.

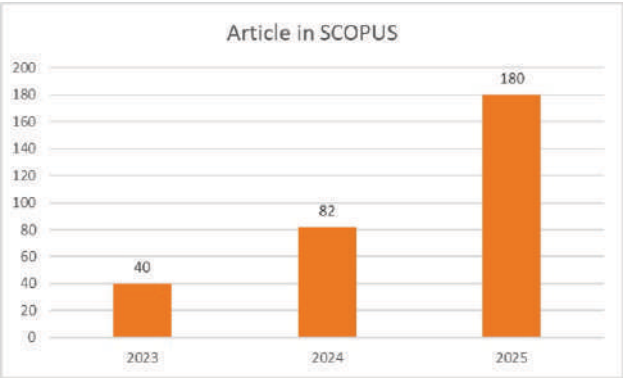
The University's internationalization strategy and the continuous expansion of global partnerships have strengthened academic collaboration and the development of joint degree programs. In particular, the dual-degree program with INHA University has been extended until 2030 and currently offers degree programs in Computer Science/Artificial Intelligence Engineering, Data Analytics/Data Science, Information Technology, and Electrical and Electronics Engineering. In addition, a dual-degree program has been launched with Beijing University of Chemical Technology, further reinforcing cooperation with East Asian partners and enhancing the University's international academic profile. The program is implemented at the undergraduate level in the specialties of Chemistry, Computer Engineering, and Mechanical Engineering.

Through intensified cooperation with universities in Turkic-speaking states, Baku Engineering University further advanced its internationalization agenda and became a member of TURKUNIB. This milestone was accompanied by the signing of Memorandums of Understanding with approximately 30 partner universities, including a significant number of institutions from Central Asia. These partnerships provide a foundation for expanded academic collaboration, joint educational initiatives, and increased mobility opportunities within the Turkic higher education area.

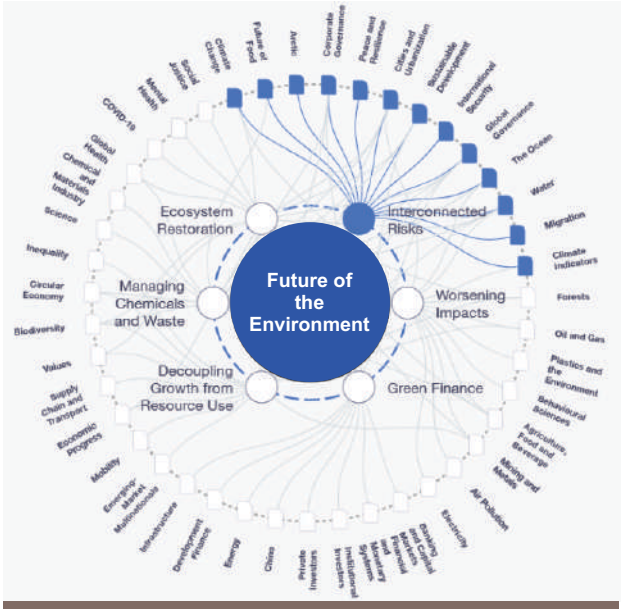
4 Research & Innovation

Baku Engineering University's research and innovation ecosystem is supported by state-of-the-art laboratories such as Computer, Mechanical Engineering, Electronics and ICT as well as Chemistry and Chemical Engineering, Biology, and Physics. In 2025, two newly established laboratories – the Cyber Security Laboratory with the support of BP and the Biotechnology Laboratory initiated by BEU – further strengthens the University's research capacity. Laboratories play an important role in supporting industry by helping to address practical challenges and develop solutions to real-world industrial problems. Students are actively involved in research activities in collaboration with industry partners.

Research productivity is a key indicator of Baku Engineering University's academic strength and its growing contribution to national and international scholarship. The University places strong emphasis on publishing high-quality research in reputable journals, encouraging academic staff to disseminate research findings with measurable impact. In 2025, a total of 174 scientific articles were published, representing an increase of more than twofold within a single year.



“Strategic Intelligence” platform



Global research visibility was further strengthened in 2025 as Baku Engineering University became the first and only university from Azerbaijan to join the World Economic Forum's “Strategic Intelligence” platform as a content provider, within the framework of cooperation between the Fourth Industrial Revolution Analysis and Coordination Center (4IRACC) under the Ministry of Economy and the World Economic Forum. The platform brings together more than 400 leading academic partners worldwide, including Harvard, Yale, Oxford, and KAIST, and serves over one million registered users through AI-based analytical tools and transformation maps covering more than 300 global topics.

In parallel, BEU expanded its international research collaboration through joint research initiatives with the United Arab Emirates University (UAEU) in the areas of Clean Water and Sanitation, Efficient and Clean Energy, and Climate Action, aligned with the United Nations Sustainable Development Goals.

In support of international scientific exchange and research dissemination, Baku Engineering University hosted the International Conference on Management and Control in Solving Engineering Problems (MaCoSEP 2025). The conference is organized on a biennial basis, and selected peer-reviewed papers from the conference proceedings are published in a Springer journal indexed in the Scopus database, further enhancing the international visibility of BEU's research output.

Established under Baku Engineering University, Technopark is one of the country's pioneering university-based techno parks, designed to strengthen research, technological innovation, and entrepreneurship. Operating through a Technology Transfer Center and an Incubation Center, Technopark supports researchers, startups, and industry collaboration and currently hosts 35 active startups representing a threefold increase compared with last year. 18 of green startups are focused on sustainable and environmentally responsible solutions, such as Green Guest, Bounty Bite, EcoZib, Power Sun, and Green Night. These initiatives highlight the University's commitment to innovation-driven and sustainability-oriented entrepreneurship.

In 2025, Technopark was awarded the 'Innovation Lab' certificate by the Global Innovation Institute (GInI, USA) in recognition of its achievements in innovation, technology, and support for young researchers and startups, within a project implemented by Code Academy with the support of the Innovation and Digital Development Agency. In addition, Technopark was accepted into the World Intellectual Property Organization's international development program on 'Intellectual Property Management in Technoparks', with plans to align its activities with the ISO 56002 Innovation Management System standards.

Student Life 5

Student life at Baku Engineering University is vibrant and diverse, offering a dynamic campus environment that supports students' academic, personal, and social development. Student clubs, scientific societies, and cultural festivals foster collaboration, leadership, and innovation beyond the classroom.

The University currently hosts 10 clubs within the Student Trade Union and 6 clubs within the Student Youth Organization, four of which were established in 2025, reflecting the continued growth of student engagement opportunities. More than 70 percent of students are members of these organizations and actively participate in social, cultural, and community-oriented activities.

Students are also engaged in the Student Scientific Society, a voluntary student organization that carries out systematic activities aimed at involving students in scientific research, fostering a scientific mindset, promoting innovative approaches, and facilitating the integration of young researchers into the national and international academic community.

An increased focus on regional cooperation and international outreach contributed to growth in international student enrollment at Baku Engineering University in 2025. Academic partnerships with universities in Turkic-speaking states, along with dual-degree programs with institutions in China and the Republic of Korea, attracted students from Asia—including Pakistan, India, Bangladesh, the Philippines, and Afghanistan—while geographic proximity and targeted outreach supported enrollment from several African countries.

These exchange and mobility pathways not only enhance academic cooperation but also contribute significantly to cultural exchange, intercultural dialogue, and the development of a multicultural learning environment at the University. International students, alongside local students, actively participate in sustainability-focused initiatives such as campus greening projects, tree-planting campaigns, and student-led environmental exhibitions. These activities promote environmental awareness while fostering cultural exchange and strengthening the University's multicultural campus environment.

The University regularly organizes both formal and informal meetings with international students. For example, a recent multicultural event titled “Cultural Crossroads” was organized for international students with the support of the Student Trade Union and in collaboration with the Department of Foreign Languages. Within the framework of the event, participants expressed their national identities and shared their cultural values, presenting detailed insights into the traditions, lifestyles, and worldviews of various countries.

Overall, student life at Baku Engineering University is characterized by active engagement, inclusivity, and strong intercultural interaction. Through academic, social, cultural, and sustainability-oriented initiatives, the University fosters a supportive and multicultural environment that enhances students' personal development and global outlook.

Financial Performance: Revenue & Expenditure 6

This report highlights the fiscal performance and resource management of Baku Engineering University for 2025.

2025 Performance Review

In 2025, BEU achieved a balanced financial profile by diversifying its income base and strictly managing operational costs. The transition toward performance-based budgeting has allowed the university to allocate 8.5% of its budget to Research and Development (R&D), ensuring that the institution remains at the forefront of engineering innovation while maintaining a robust surplus for future stability

I. Revenue Dynamics: 2025 Structure

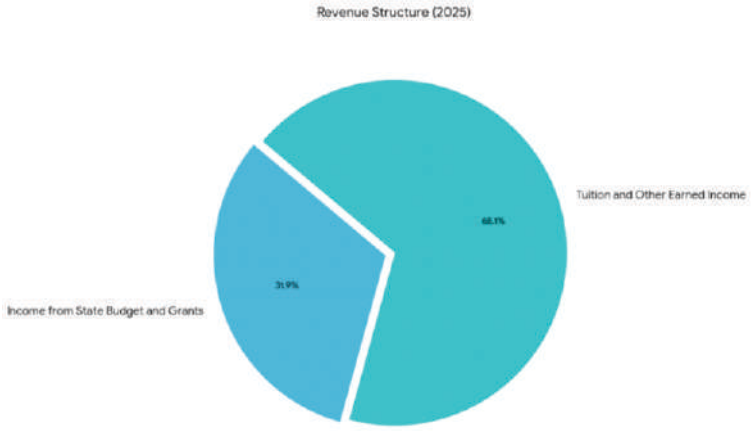
The 2025 revenue model emphasizes a healthy mix of public support and self-generated income.

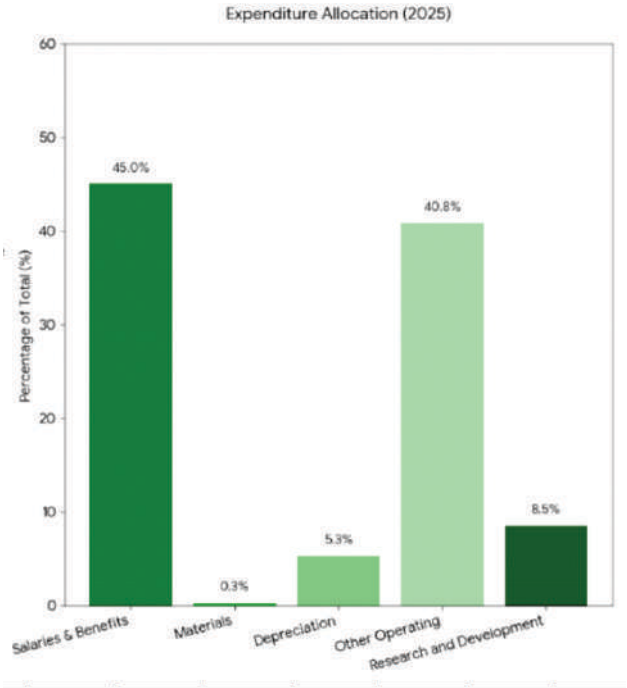
- Income from State Budget and Grants: This accounts for 31.9% (8,937,591.94AZN) of the 2025 revenue.
- Tuition and Other Earned Income: This is the primary revenue driver, contributing 68.1% (19,123,467.00$ AZN).

II. Expenditure Efficiency & R&D Investment

The expenditure strategy for 2025 reflects a deliberate shift toward high-impact areas while maintaining lean operating costs.

- Academic Core Investment: 45.0% of the budget is dedicated to Salaries & Benefits (14,287,842.82AZN), ensuring the retention of top-tier engineering talent.
- Accelerated R&D Expansion: Following the strategy of "adding to winners," the university has increased its Research and Development (R&D) allocation to 8.5% (2,696,881.08AZN). This significantly exceeds traditional regional benchmarks and aligns with the university's innovation-oriented strategy.
- Operating Resilience: Other operating expenses were maintained at 40.8%, while material costs remained highly efficient at 0.3%, adhering to the psychological principle of cutting unnecessary overhead first.





Net Surplus: The university preserved a liquidity buffer with a reported surplus of 3,075,263.94 AZN.

Infrastructure & Sustainability 7

Boys Dormitory

Girls Dormitory

Baku Engineering University's campus infrastructure supports academic activities, student well-being, and institutional development within a compact and integrated university environment. The campus includes modern academic buildings, a central library, student dormitories, dining facilities, and medical and psychological support services, ensuring continuity between learning, living, and support functions.

In parallel with academic and residential infrastructure, the University places strong emphasis on providing accessible and healthy public catering services across the campus. BEU operates extensive cafeteria and café facilities in all academic buildings, offering daily menus prepared in accordance with healthy nutrition principles using fresh and high-quality products. The pricing policy is designed to remain affordable for students, contributing to social well-being and promoting healthy eating habits among the university community.

Recognizing the importance of a comfortable and respectful living environment, the university provides separate, modern accommodation options for both girls and boys. This inclusive approach to housing ensures that every student has a safe, private space to rest and study, further strengthening our commitment to their well-being.

The University administration continuously implements systematic measures to improve daily living conditions on campus, taking into account feedback and opinions from both students and academic staff, with the aim of ensuring a comfortable, safe, and supportive university environment.

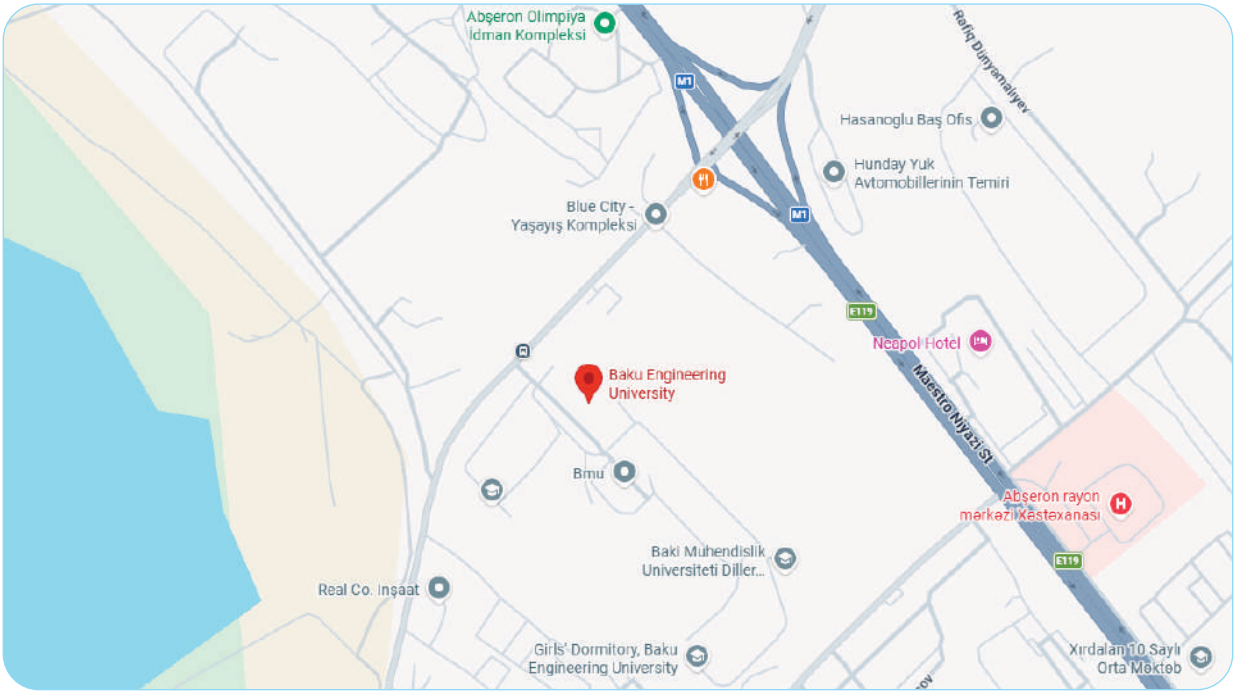
Infrastructure development is increasingly aligned with sustainability objectives. Within the University's Green Campus approach, BEU has implemented environmentally responsible mobility and energy solutions. Dedicated bicycle lanes and parking areas have been established across the campus, and shared-use bicycles provided in partnership with Apar Ride LLC are available for students and staff, promoting micromobility, healthy lifestyles, and reduced carbon emissions.

Energy efficiency measures have been strengthened through the installation of solar-powered light poles in 2025, contributing to electricity savings, renewable energy use, and carbon emission reduction. These initiatives support BEU's commitments under the UN Sustainable Development Goals, particularly SDG 7 (Affordable and Clean Energy), SDG 11 (Sustainable Cities and Communities), and SDG 13 (Climate Action).

In addition to infrastructure-based sustainability initiatives, BEU promotes sustainability through international research collaboration and active student engagement. Joint research projects implemented with the United Arab Emirates University (UAEU) brought together academic staff and students from both institutions to work on selected themes aligned with the UN Sustainable Development Goals, reinforcing BEU's commitment to student involvement in global sustainability and climate-related research.

BEU's sustainability actions are guided by the Sustainability Plan 2023–2030, which integrates environmental, social, and governance (ESG) principles into campus operations, teaching, research, and community engagement. The Plan sets strategic targets related to energy efficiency, waste reduction, sustainable procurement, and the gradual increase of alternative energy use, while also encouraging the integration of sustainability concepts into academic programs and student activities.

Complementing these institutional efforts, student clubs play an important role in advancing sustainability on campus and beyond. Through environmental initiatives, community outreach, advocacy, and collaborative projects led by organizations such as the H.Z.T. Charity Club, Technology Club, Prometheus Intellectual Club, Theater Lovers Club, Robotics Club, and Architecture and Construction Club, students actively contribute to environmental awareness, sustainable innovation, and the development of a shared culture of sustainability within the University community.



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