



MINGACHEVIR
STATE UNIVERSITY

SUSTAINABILITY REPORT

2025



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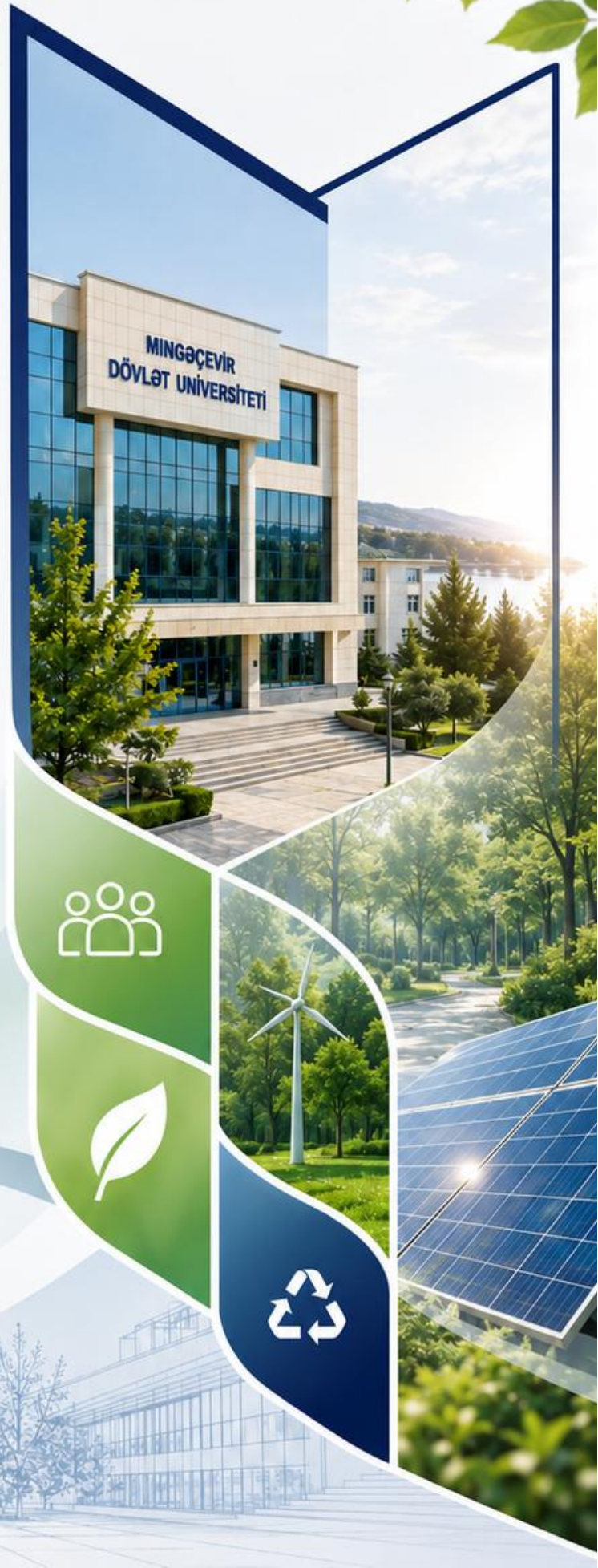


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Dear academic staff, students, partners, and friends,

It is my pleasure to present the Mingachevir State University Sustainability Report 2025, which reflects our commitment to sustainable development, responsible governance, environmental stewardship, social inclusion, and academic excellence.

As a higher education institution dedicated to preparing future generations for the challenges of a rapidly changing world, Mingachevir State University recognizes sustainability as a core element of its mission and strategic development. Throughout 2025, we continued to integrate sustainability principles into education, research, institutional management, and community engagement.

During the reporting period, the university strengthened sustainability awareness, expanded partnerships, supported research addressing environmental and social challenges, and implemented activities aligned with the United Nations Sustainable Development Goals. Through educational programs, research projects, and community initiatives, we contributed to building a more sustainable and inclusive society.

This report highlights our achievements and progress while reaffirming our commitment to transparency, accountability, and continuous improvement. Together with our students, staff, partners, and stakeholders, we remain dedicated to advancing sustainable development and creating lasting positive impact.

Mingachevir State University will grow with you, rise with you, and move confidently toward a sustainable future.

About Mingachevir State University



Mingachevir State University traces its origins back to 1991, when a branch of the Azerbaijan Industrial University (currently the Azerbaijan State Oil and Industry University) was established in the city of Mingachevir. The primary objective of establishing this branch was to train engineering and technical specialists for the industrial city of Mingachevir and the surrounding regions. This initiative represented an important milestone in the development of higher technical education in the region. In subsequent years, the branch was transformed into an independent higher education institution and initially operated as the Mingachevir Institute of Energy, and later as the Mingachevir Polytechnic Institute. During this period, highly qualified specialists were trained mainly in the fields of energy, mechanics, technology, transportation and other industry-oriented disciplines. The fact that Mingachevir is one of Azerbaijan's leading industrial and energy centers created broad opportunities for

practice-oriented education. Within the framework of cooperation with the Azerbaijan Thermal Power Plant (AzTPP) and other industrial enterprises operating in the city, industrial internships for students were organized and an effective link between education and industry was established. At this stage, the Mingachevir Polytechnic Institute played a significant role in training engineering personnel in line with the industrial potential of the region. Mingachevir State University was established by Decree No. 1335 of the President of the Republic of Azerbaijan, Ilham Aliyev, dated 24 July 2015. In accordance with this Decree, Mingachevir State University, providing education and training at all levels of higher education, was founded on the basis of the Mingachevir Polytechnic Institute. At the same time, the material and technical infrastructure of the Mingachevir branch of the former Azerbaijan Teachers' Institute was transferred to the balance of the University.

As a result of this decision, the technical and pedagogical education potential existing in the city was consolidated within a single higher education platform, and a modern, multidisciplinary higher education institution was formed. Today, Mingachevir State University successfully continues its activities as a higher education institution that contributes to the socio-economic development of the region and trains competitive specialists in line with the requirements of the labour market. During 2025, the phased strengthening of the University's material and technical base and the improvement of the functionality of existing teaching facilities were identified as key priorities. Within this framework, the enhancement of classroom equipment, including projectors, interactive boards and stable internet connectivity, as well as the gradual renewal of hardware and the provision of up-to-date software in computer laboratories, contributed to the organisation of the teaching and learning process in

line with contemporary requirements. At the same time, measures were undertaken to improve the material and technical provision of laboratories and teaching and training rooms, and to optimise the use of existing equipment in order to ensure more effective delivery of the practical components of courses. Internal monitoring of the use of teaching facilities was carried out, and the allocation of classrooms and laboratories was aligned with teaching workload requirements. Furthermore, the use of the electronic gradebook system and online learning platforms was expanded for the purposes of teaching organisation and monitoring, and access to digital resources for academic staff and students was simplified through continuous support measures.



2.1. Campus Life and Learning Environment

During 2025, Mingachevir State University continued to strengthen campus life and the learning environment through initiatives supporting students' academic success, social engagement and personal development. The University placed particular emphasis on facilitating students' integration into university life, encouraging active participation in extracurricular activities and providing a safe, inclusive and supportive educational environment. Student organisations, volunteer groups and student-led initiatives were actively supported, while various cultural, educational and awareness-raising events were organised throughout the year to enhance social interaction and teamwork among students. Sports tournaments and recreational activities also contributed to promoting healthy lifestyles and student well-being. The quality of the learning environment was continuously monitored through regular assessments of classrooms and teaching facilities. Improvements in lighting, seating arrangements,

ventilation and overall comfort helped create more effective learning spaces. Information boards and directional signage within academic buildings were expanded to improve campus navigation and accessibility for students. Internal reviews of classroom and laboratory utilisation enabled the more efficient allocation of teaching spaces in line with academic needs.

Campus safety and well-being remained important priorities. Daily supervision by the security service, awareness activities on fire safety and emergency procedures, and regular monitoring of sanitary and hygiene conditions contributed to maintaining a secure and healthy campus environment. In addition, the University supported students' psychological well-being through counselling services, orientation programmes for first-year students and awareness sessions focusing on motivation, stress management and academic planning. Accessibility was further enhanced through the expanded use of electronic learning materials, online resources and alternative teaching tools



2.2. Overall Institutional Performance Overview



The year 2025 is characterised as a period during which Mingachevir State University implemented consistent and systematic measures aimed at enhancing the quality of teaching and learning, strengthening research activities and modernising management mechanisms. During the reporting year, the University's development was shaped not by isolated initiatives, but by a coherent set of interrelated activities serving common strategic objectives. Throughout the year, targeted efforts were undertaken to expand an outcomes-based approach in teaching and learning, to revise learning outcomes at course and programme levels, to align syllabi with contemporary requirements and to improve assessment mechanisms. Internal training sessions and professional discussions were organised to develop academic staff's pedagogical and methodological competences, while improvement actions were implemented in line with the needs identified through classroom observations and course-level monitoring. In the area of research, the expansion of the research environment and the encouragement of academic initiatives were identified as key priorities. Support for studies addressing regional development challenges, socio-economic issues and current topics in education, together with the organisation of academic seminars and conferences, contributed to increased research activity. Student engagement in research was also strengthened through the expanded activities of the Student Scientific Society and the organisation of joint presentation and discussion events.

University–industry and university–public sector cooperation occupied a prominent place in the University’s activities in 2025. The expansion of partnerships with regional enterprises and organisations, the organisation of joint events and projects, and the alignment of students’ industrial and teaching placements with real working environments reinforced the applied orientation of education and contributed significantly to preparing graduates with labour-market-relevant skills. In the field of governance, oversight of the implementation of action plans across structural units was strengthened, and internal reporting and monitoring mechanisms were further improved. The broader use of analytical data and monitoring results in decision-making processes supported increased transparency and accountability in management. In parallel, the expanded use of electronic management and document circulation systems enhanced the efficiency and responsiveness of administrative processes. The development of international relations was also among the University’s key priorities in 2025. Existing cooperation with foreign higher education institutions was revitalised, and opportunities for academic mobility, joint activities and exchange of experience were expanded. These initiatives not only increased access to international experience for staff and students, but also had a positive impact on the quality of teaching and research environments. In order to further strengthen the student-centred approach, the scope of social, cultural and career-oriented activities was expanded, and mechanisms for collecting student feedback and incorporating it into decision-making processes were improved. Increased student engagement and participation in university life contributed to a more vibrant and inclusive campus environment. bu mətin necədir



KEY STATISTICAL INDICATORS

An overview of student enrollment, academic achievement and university capacity in 2025.



TOTAL STUDENTS

5691

↑ 16%
vs. previous year



BACHELOR'S LEVEL

5407

↑ 12%
vs. previous year



MASTER'S LEVEL

284

↑ 4%
vs. previous year



STUDENTS GRADUATED

872

↑ 24%
vs. previous year

BUILDING A STRONG ACADEMIC FOUNDATION



In 2025, the total number of students enrolled at Mingachevir State University amounted to 5,691, of whom 5,407 were undergraduate (Bachelor's level) students and 284 were Master's level students.



The structure of the student body indicated a high level of interest in pedagogical, social and economic fields of study, further strengthening MSU's role as a leading higher education centre in the region.



During the reporting year, 872 students graduated from the University, and relevant support measures were implemented to facilitate graduates' transition to the labour market and to expand their career opportunities.



STUDENT COMPOSITION BY LEVEL



BACHELOR'S STUDENTS

82% (5407)



MASTER'S STUDENTS

4% (284)



GRADUATED STUDENTS

14% (872)



Our commitment continues to provide quality education, empower students and strengthen society for a sustainable future.

ACADEMIC OVERVIEW & CAPACITY

A snapshot of our academic strength, human resources and future readiness.



41 UNDERGRADUATE PROGRAMMES

Wide and diverse range of programmes at the undergraduate level.



23 MASTER'S PROGRAMMES

High-quality master's level education across key fields.



FOCUS AREAS

Engineering, Economics & Management, Teacher Education.



743 STAFF MEMBERS

Including 67 international specialists supporting academic excellence.



RECRUITMENT PRIORITY

Strengthening academic staff in engineering programmes.

UNIVERSITY AT A GLANCE



743

Total staff members



67

International specialists



41+23

Undergraduate and Master's programmes



FUTURE READY

Aligned with local and global labour market needs

“

Building today,
leading tomorrow.
Together for a
sustainable future.



QUALITY EDUCATION

Delivering excellence in teaching and learning.



GLOBAL OUTLOOK

Connecting knowledge beyond borders.



INNOVATION

Empowering ideas for a better tomorrow.



SUSTAINABILITY

Committed to people, planet and progress.



3.1. Institutional Approach to Sustainability

Mingachevir State University regards sustainable development as one of the fundamental pillars of its institutional mission, strategic planning, and governance framework. The University views sustainability not only as environmental responsibility but also as a comprehensive approach encompassing quality education, scientific research, social well-being, inclusiveness, ethical governance, innovation, and community engagement. Through its commitment to sustainable development, the University aims to create long-term value for students, staff, local communities, and society while contributing to the achievement of the United Nations Sustainable Development Goals (SDGs).

Throughout 2025, systematic measures were implemented to integrate sustainability principles into the University's teaching, research, governance, and community engagement activities. Sustainability considerations were increasingly incorporated into institutional planning, decision-making processes, quality assurance mechanisms, and strategic development initiatives. Particular attention was given to evaluating the long-term social, economic, and environmental impacts of University operations and ensuring the responsible use of available resources.

The University's sustainability agenda was supported by a range of policies, action plans, and institutional initiatives promoting environmental protection, social inclusion, academic excellence, and responsible governance. Sustainability-related activities, awareness programmes, research initiatives, and stakeholder engagement efforts contributed to strengthening a culture of sustainability across the institution and further reinforced the University's role as a socially responsible and future-oriented higher education institution.

SUPPORTING THE UN SDGs



A socially responsible and future-oriented higher education institution.

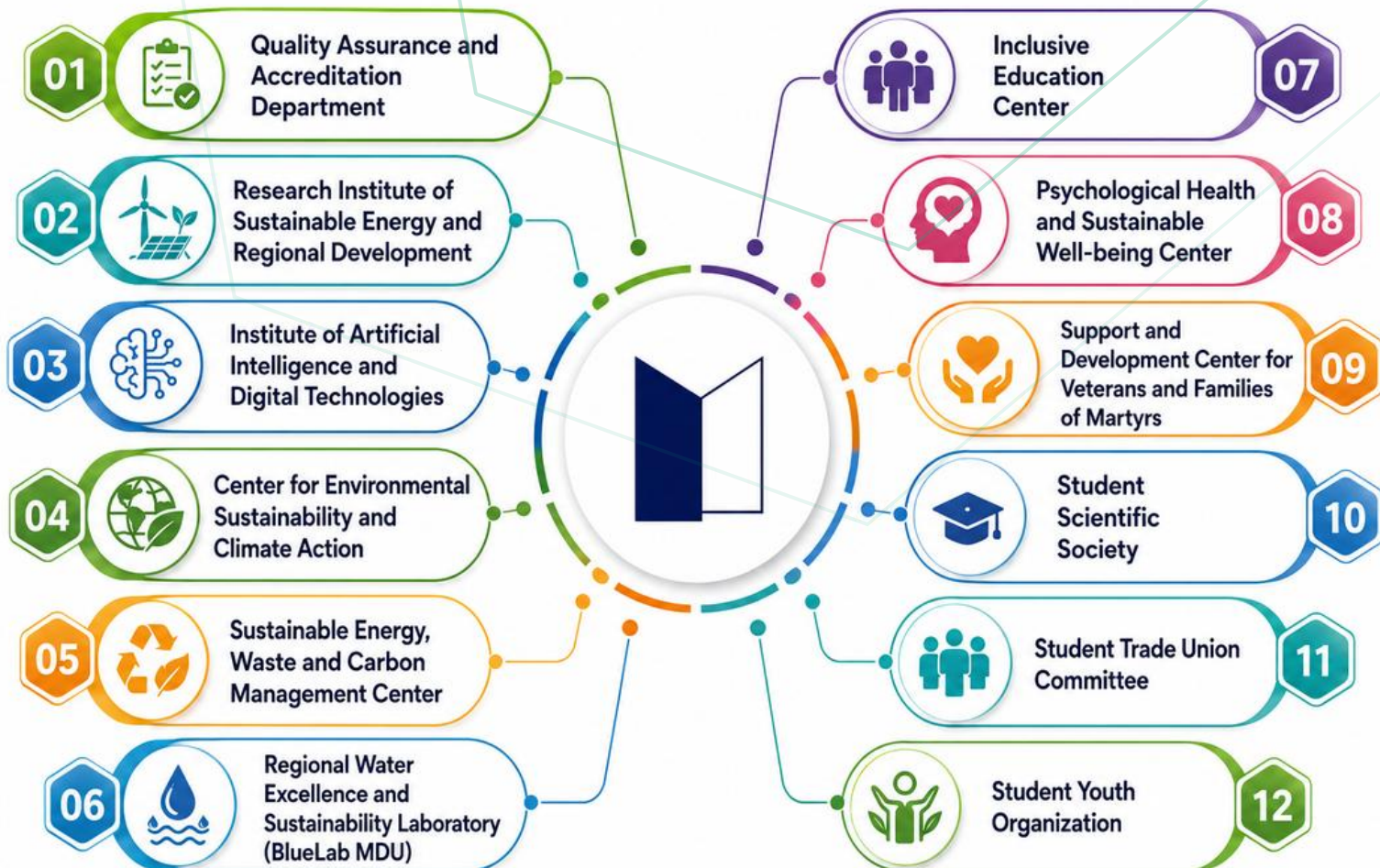
3.2. Sustainability Governance Structure

The overall leadership and oversight of sustainability-related activities at the University are provided by the University management. The implementation of sustainability objectives and priorities is ensured through coordinated collaboration among academic and administrative units.

Academic and administrative departments actively participate in the planning, monitoring, and evaluation of sustainability-related activities. Faculties, departments, research institutes, student organisations, and other structural units contribute to the implementation of sustainability initiatives within their respective areas of responsibility.

The Quality Assurance and Accreditation Department plays a coordinating role in monitoring, evaluating, and reporting sustainability-related activities. Through the collection, analysis, and reporting of relevant data, the Department supports the continuous improvement of the University's sustainability performance.

During 2025, the following structural units and centres played a significant role in advancing sustainability initiatives across the University:



3.3. Sustainability Policies and Institutional Commitments

01

SUSTAINABLE DEVELOPMENT AND GOVERNANCE



- ✓ Sustainable Development Policy
- ✓ Sustainable Investment and Financing Policy
- ✓ Public Disclosure and Transparency Policy
- ✓ Collaboration Policy
- ✓ Procurement Policy



ENVIRONMENTAL SUSTAINABILITY AND RESOURCE MANAGEMENT

02

- ✓ Environmental Policy
- ✓ Climate Change Mitigation Policy
- ✓ Net Zero Emissions Policy
- ✓ Energy Efficiency and Green Infrastructure Policy
- ✓ Waste Management and Recycling Policy
- ✓ Clean Water Policy
- ✓ Ethical Food and Procurement Policy



03

SOCIAL RESPONSIBILITY AND INCLUSION



- ✓ Equality, Diversity and Inclusion Policy
- ✓ Gender Equality Policy
- ✓ Anti-Discrimination Policy
- ✓ Disability Policy
- ✓ Health, Well-being and Safety Policy
- ✓ Anti-Human Trafficking and Child Labour Policy



OUR POLICIES GUIDE
RESPONSIBLE ACTION TODAY
FOR A SUSTAINABLE AND
EQUITABLE TOMORROW.

05

STUDENT DEVELOPMENT AND INNOVATION



Student Innovation and
Leadership Club Policy



04

ETHICS AND ACADEMIC VALUES



- ✓ Academic Freedom Policy
- ✓ Anti-Bribery and Anti-Corruption Policy
- ✓ Ethical Organizational Behaviour Policy
- ✓ Teaching and Learning Policy



3.4. Stakeholder Engagement

Mingachevir State University recognizes stakeholder engagement as an essential component of sustainable development and institutional effectiveness. The University considers active collaboration with its stakeholders to be a key mechanism for improving educational quality, enhancing social impact, strengthening accountability, and ensuring that institutional activities respond to the needs and expectations of society. In line with this approach, the University maintains regular communication and cooperation with students, academic and administrative staff, alumni, employers, government institutions, industry representatives, non-governmental organizations, international partners, and local communities.

Throughout 2025, a wide range of stakeholder engagement activities were implemented to strengthen partnerships and encourage meaningful participation in the University's development processes. Stakeholder perspectives were gathered through surveys, focus group discussions, consultation meetings, workshops, seminars, conferences, public events, and collaborative projects. In addition, regular interactions with employers, professional associations, and industry partners contributed to identifying labour market expectations and improving the relevance of academic programmes. The feedback obtained through these mechanisms was systematically considered within institutional planning, quality assurance activities, strategic development initiatives, and decision-making processes.



Particular attention was devoted to ensuring active student participation in university governance and campus life. Students were encouraged to contribute to decision-making through student organizations, representative bodies, volunteer initiatives, and various consultation platforms. Student feedback collected through surveys, meetings, and direct communication channels played an important role in identifying areas for improvement related to teaching and learning, campus services, student support, and extracurricular activities. Through these efforts, the University continued to strengthen a culture of participation, transparency, and shared responsibility among all stakeholder groups.

The University also expanded its engagement with external stakeholders through joint educational, scientific, social, and sustainability-related initiatives. Cooperation with public institutions, private sector organizations, schools, community groups, and civil society organizations contributed to knowledge exchange, capacity building, and the implementation of activities addressing regional and national development priorities. These partnerships further reinforced the University's commitment to sustainable development and its role as an active contributor to social, economic, and environmental progress.



PARTICIPATION



COLLABORATION



INNOVATION



SUSTAINABILITY

3.5. Monitoring, Evaluation and Accountability

Mingachevir State University continued to strengthen its monitoring, evaluation, and accountability mechanisms throughout 2025 to enhance the effectiveness of sustainability-related activities and institutional performance. Activities implemented across the University's 4 faculties, 11 departments, 2 research institutes, and other academic and administrative units were regularly monitored, reviewed, and assessed to ensure alignment with institutional objectives and sustainability commitments. Monitoring processes were integrated into the University's quality assurance framework, supporting a culture of continuous improvement and evidence-based management.

During the reporting period, regular monitoring of the implementation of action plans across structural units was conducted, and the results were analysed and reported to University leadership. Activities aimed at meeting the needs of the University's 5,691 students and 743 academic staff members were evaluated, and the findings were used to support decision-making related to the enhancement of teaching quality, student services, research performance, and institutional governance. The outcomes of these evaluation processes contributed to the identification of improvement opportunities and informed future planning and development initiatives.



EVALUATION

Assessment of results to ensure alignment with institutional goals.



ACCOUNTABILITY



CONTINUOUS IMPROVEMENT

Enhancing performance through regular review and feedback.



QUALITY ASSURANCE

Integrated monitoring supports a strong quality assurance framework.



STAKEHOLDER TRUST

Transparent reporting strengthens confidence and engagement.



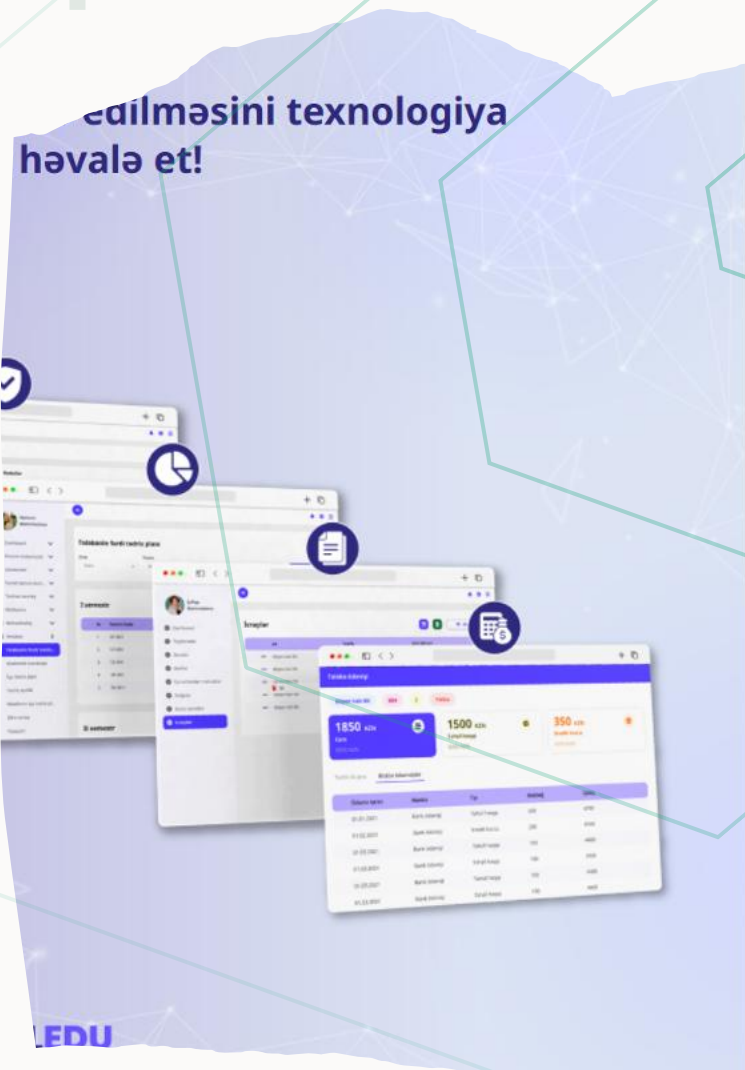
SUSTAINABLE DEVELOPMENT

Evidence-based actions contribute to a sustainable and resilient future.



The continued expansion of digital governance practices significantly improved accountability and information management processes. The use of electronic document circulation systems, institutional databases, and digital management tools enabled more efficient data collection, processing, and analysis. These systems supported evidence-based decision-making, improved operational efficiency, and strengthened coordination among academic and administrative units across the University.

In line with the principles of transparency and public accountability, the University continued to disclose information regarding its sustainability initiatives, educational activities, research achievements, and institutional development efforts. Throughout the year, hundreds of news articles, announcements, reports, and updates were published through the University's official website and social media platforms. These efforts contributed to increasing stakeholder awareness, strengthening public trust, and reinforcing the University's commitment to transparent, responsible, and sustainable institutional development.



Mingəçevir Dövlət Universiteti

Xoş gəlmisən!

İstifadəçi adı

XXXXXXXXXX

Şifrə

Daxil edin

[Şifrəni unutmusunuz?](#)

Daxil ol

Hesabın yoxdur? [Qeydiyyatdan keç](#)

3.6. Commitment to the Sustainable Development Goals



Mingachevir State University recognizes the United Nations Sustainable Development Goals (SDGs) as a fundamental framework guiding its institutional development, strategic priorities, and contribution to society. The University is committed to supporting the achievement of the SDGs through its core functions in education, research, innovation, governance, and community engagement. By aligning institutional policies, programmes, and activities with global sustainability priorities, the University seeks to contribute to sustainable social, economic, and environmental development at local, national, and international levels.

Throughout 2025, the University continued to strengthen its contribution to the SDGs through a wide range of initiatives and activities. During the reporting period, a total of 284 training sessions, seminars, conferences, awareness campaigns, community engagement activities, and other events related to the Sustainable Development Goals were organized. These activities addressed a broad range of sustainability themes, including quality education, health and well-being, gender equality, clean energy, climate action, responsible consumption, innovation, social inclusion, and environmental protection. Sustainability-related topics were increasingly integrated into academic programmes, research projects, student activities, and public engagement initiatives, enabling students, academic staff, and external stakeholders to actively participate in advancing sustainable development objectives.



3.6. Commitment to the Sustainable Development Goals

The University also promoted interdisciplinary research and collaboration aimed at addressing contemporary sustainability challenges. Research activities conducted within its academic departments and research institutes contributed to generating knowledge and practical solutions related to sustainable energy, environmental protection, digital transformation, social development, and regional sustainability. Cooperation with government institutions, industry representatives, civil society organizations, and international higher education institutions further strengthened the University's capacity to contribute to the implementation of the SDGs and to create a positive impact beyond the campus.

Recognizing that sustainable development requires long-term commitment and continuous improvement, Mingachevir State University remains dedicated to further integrating sustainability principles across all areas of its operations. The University will continue to expand international cooperation, strengthen stakeholder engagement, enhance sustainability-related education and research, and promote responsible institutional governance. Through these efforts, the University aims to reinforce its role as a leading contributor to sustainable development and to create lasting positive impacts for future generations.



284

ACTIVITIES
IN 2025



17

SDGS
SUPPORTED



5691

STUDENTS
ENGAGED



743

STAFF
INVOLVED



SUSTAINABILITY HIGHLIGHTS 2025

The year 2025 marked a significant milestone in the advancement of sustainability at Mingachevir State University. Throughout the reporting period, sustainability principles were further integrated into the University's governance, education, research, innovation, campus operations, and community engagement activities. Guided by its commitment to the United Nations Sustainable Development Goals, the University continued to strengthen its institutional sustainability framework and expand its contribution to sustainable social, environmental, and economic development.



During 2025, a total of 284 sustainability-related training sessions, seminars, conferences, awareness campaigns, community engagement activities, volunteer initiatives, competitions, hackathons, exhibitions, and other events were organized across the University. These activities engaged 5000+ students, 700+ academic staff members, administrative personnel, industry representatives, public institutions, and community stakeholders. Through these initiatives, sustainability awareness, participation, and institutional commitment were significantly strengthened across all areas of University life.

SUSTAINABILITY — HIGHLIGHTS 2025 —



284
Sustainability
Activities



5,691
Students
Engaged



743
Academic Staff
Involved

2025 at a Glance

Building a Sustainable Future Together



284

sustainability-related
events and initiatives
implemented



5,691

students engaged in
sustainability
activities



743

academic staff
members
involved



22

sustainability-related
institutional policies
implemented

Activities
supporting
all **17**
Sustainable
Development
Goals



6 faculties and
11 departments
actively contributing
to sustainability
initiatives



2 research institutes
supporting
sustainability-oriented
research and innovation



Multiple
sustainability
centers and
laboratories
actively operating



Expanded
sustainability
reporting
and evidence
collection
mechanisms



Strengthened
preparation for
international
sustainability
rankings and
frameworks



Driving
impact through
collaboration,
innovation and
evidence-based
action



Empowering our
community for
a sustainable
tomorrow



4.1. Strengthening Sustainability Governance and Institutional Commitment

Strengthening Sustainability Governance and Institutional Commitment

One of the most significant achievements of 2025 was the further strengthening of sustainability governance mechanisms across the University. Sustainability considerations continued to be integrated into institutional planning, quality assurance processes, decision-making mechanisms, and strategic development priorities.

The implementation of 22 sustainability-related policies continued throughout the year. These policies addressed sustainable development, environmental protection, climate action, energy efficiency, waste management, clean water, equality and inclusion, health and wellbeing, academic freedom, ethical governance, transparency, and social responsibility. The continued implementation of these policies provided a strong institutional foundation for sustainability-related activities and ensured that sustainability principles were embedded across governance, teaching, research, and operational processes.

The activities of the Sustainable Development Committee were further strengthened during the reporting period. Regular meetings were organized to review sustainability-related progress, assess achievements, identify improvement opportunities, and coordinate future activities. Particular attention was given to environmental sustainability, Green Campus initiatives, sustainability reporting, and the University's preparation for international sustainability assessments.

Evidence:

<https://sustainable.mdu.edu.az/2025/12/11/meeting-of-the-sustainable-development-committee-held-at-mingachevir-state-university/>



4.2. Advancing Environmental Sustainability and Climate Action



Environmental sustainability remained one of the University's key priorities throughout 2025. A wide range of awareness-raising activities, educational programmes, practical initiatives, and community engagement projects were implemented to promote environmental responsibility, climate literacy, and sustainable lifestyles among students and staff.

Among the most significant environmental initiatives was the organisation of "Climate Week: Addressing Climate Change for a Sustainable Future." This initiative provided an important platform for discussing climate change challenges, carbon emission reduction, renewable energy solutions, environmental protection, and sustainable development strategies. Through a series of seminars, discussions, awareness campaigns, and educational activities, students and staff gained a deeper understanding of climate-related challenges and their role in supporting climate action and environmental sustainability.





The University also strengthened its activities related to water sustainability and responsible resource management. Various awareness-raising activities, educational programmes, and innovation-focused initiatives were organised to encourage sustainable water use and improve understanding of water conservation challenges. In particular, the “Eco Water Conservation Hackathon” encouraged students and young researchers to develop innovative solutions addressing water conservation, water quality monitoring, smart water management systems, and the sustainable use of water resources. The event promoted interdisciplinary collaboration and demonstrated the important role of innovation in addressing environmental challenges.

Environmental sustainability initiatives further included activities focusing on biodiversity conservation, ecosystem protection, sustainable land management, and environmental stewardship. Specialised training sessions addressing soil resource monitoring and protection helped increase environmental awareness and promoted sustainable approaches to natural resource management. These activities contributed to strengthening environmental responsibility and supporting the University's broader commitment to sustainable development and climate resilience.



4.3. Expanding Education, Research, Innovation and Sustainable Development Learning

Throughout 2025, the University continued to strengthen the integration of sustainability into teaching, learning, research, and innovation activities.

A wide range of sustainability-related educational activities were organised across different disciplines, helping students develop knowledge, competencies, and practical skills relevant to contemporary sustainable development challenges. Sustainability concepts were increasingly incorporated into academic discussions, student projects, awareness campaigns, competitions, workshops, and extracurricular activities.

Innovation remained an important driver of sustainability at the University. The Technology and Prototype Exhibition provided students with an opportunity to showcase innovative technological solutions, engineering projects, and prototype developments addressing real-world challenges. The exhibition demonstrated the University's commitment to fostering innovation, creativity, entrepreneurship, and problem-solving skills among students.



Additional activities focused on technology-driven solutions for sustainable development, digital transformation, entrepreneurship, smart technologies, and applied innovation. Through these initiatives, students were encouraged to develop practical solutions addressing environmental, social, and economic challenges while strengthening their entrepreneurial and leadership capacities.



Research and innovation activities were further strengthened through the contributions of the Research Institute of Sustainable Energy and Regional Development, the Institute of Artificial Intelligence and Digital Technologies, the Center for Environmental Sustainability and Climate Action, the Sustainable Energy, Waste and Carbon Management Center, and the Regional Water Excellence and Sustainability Laboratory (BlueLab MDU).

These structures supported scientific research, innovation projects, knowledge transfer, technology development, and sustainability-oriented solutions addressing environmental, technological, economic, and societal challenges. Their activities significantly contributed to enhancing the University's research capacity and sustainability impact.



4.4. Promoting Social Sustainability, Inclusion and Community Impact

The University continued to strengthen its commitment to social sustainability through initiatives supporting equality, inclusion, health, wellbeing, community engagement, and social responsibility.

Various training programmes, awareness campaigns, educational activities, and community projects were organised to promote equal opportunities, social cohesion, diversity, and inclusive development. The “Social Entrepreneurship and Tackling Inequality” initiative encouraged students to explore innovative solutions addressing social challenges and reducing inequalities within communities while promoting social responsibility and active citizenship.

Additional activities focused on gender equality, inclusive education, student wellbeing, psychological support, volunteerism, leadership development, and community engagement. These initiatives contributed to strengthening the University's social impact and fostering a more inclusive, supportive, and socially responsible campus environment.

The University also continued to support the activities of the Inclusive Education Center, the Psychological Health and Sustainable Well-being Center, and the Support and Development Center for Veterans and Families of Martyrs, further reinforcing its commitment to social responsibility, equal opportunities, and inclusive development.



4.5. Supporting Sustainable Cities, Digital Transformation and Future-Oriented Skills

During the reporting period, particular attention was given to issues related to sustainable cities, smart technologies, digital transformation, and future-oriented competencies.

The “Smart City Technologies” training initiative introduced participants to concepts related to intelligent urban systems, sustainable infrastructure, digital innovation, energy-efficient solutions, smart mobility, and future city planning. The initiative contributed to the development of future-oriented competencies and encouraged students to explore technological solutions supporting sustainable urban development.

In addition, activities focusing on digital transformation, innovation ecosystems, entrepreneurship, artificial intelligence, and emerging technologies helped prepare students for the rapidly changing labour market and future professional environments.

These initiatives reflected the University's broader commitment to preparing graduates capable of contributing to sustainable economic growth, technological innovation, smart community development, and the achievement of sustainable development goals.



XXI ƏSRİN RƏQƏMSAL ÇAĞIRIŞLARI:
SÜNİ İNTELLEKT, KİBERTƏHLÜKƏSİZLİK, DAVAMLU ENERJİ VƏ İNSAN KAPİTALI

spikerlər

 PROF. DR. ARMAN SƏMƏNOV TEKNOLOGİYA FAKULTETİ MODERATOR	 PROF. DR. NƏSİM SƏMƏNOV REKTOR DÜZCE UNIVERSİTETİ	 PROF. DR. ŞƏHMAT KARIYEV FİZİKAT GAZİ UNIVERSİTETİ	 DR. NƏVƏHƏ HƏMƏZOVA ELM VƏ İNNOVASIYA MƏDİRİSİ DÜZCE UNIVERSİTETİ	 DR. ELVIN HƏLİYEV MƏLUMƏT KİBERNƏTİKASI DÖVLƏT TƏHƏKKÜSÜ KƏMƏRİ	 DR. AIDA MƏMMƏDOVA DƏRƏCƏ SÜNİ İNTELLEKT VƏ RƏQƏMSAL TEKNOLOGİYALAR İNSTITUTU
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"Səhərsizlik və Memarlıq III" qurultayında və
"17 May - Gələcəyə Yönlənmiş Telekomunikasiya"
gündəlikləri haqqında məlumatlı Beynəlxalq Konfrans

15-16 May 2024-cü il
Azərbaycan vaxtı saat 17:00
Türkiyə vaxtı 18:00

zoom

www.mdu.edu.az

f @ X in y u t mdu.edu.az



DAYANIQLI
ŞƏHƏRLƏR



RƏQƏMSAL
TRANSFORMASIYA



SÜNİ İNTELLEKT VƏ
İNNOVASIYA



GƏLƏCƏYƏ YÖNƏLİK
BACARIQLAR



İNNOVASIYA VƏ
SAHİBKARLIQ



DAYANIQLI İNKİŞAF
VƏ İCTİMAİ TƏHƏ

4.6. Strengthening International Visibility and Sustainability Recognition



Another significant achievement of 2025 was the expansion of the University's engagement with international sustainability frameworks, rankings, networks, and partnerships.

Throughout the reporting period, systematic efforts were undertaken to strengthen sustainability reporting mechanisms, improve evidence collection processes, align institutional activities with international sustainability indicators, and enhance the University's global visibility and international competitiveness.

Particular attention was devoted to preparations for participation in international sustainability assessments, including UI GreenMetric World University Rankings, QS Sustainability Rankings, and Times Higher Education (THE) Impact Rankings. Data collection systems, SDG evidence repositories, sustainability reporting practices, monitoring frameworks, and institutional evaluation mechanisms were further developed to support participation in these global initiatives.

The continued development of the University's sustainability portal also contributed to improved transparency, accountability, public communication, and dissemination of sustainability-related information. These efforts strengthened the University's position within the global sustainability community and enhanced its readiness for future international assessments.

SUSTAINABILITY ACHIEVEMENTS OF 2025

TOGETHER FOR A SUSTAINABLE FUTURE

284

sustainability-related activities and events implemented

5,691

students and 743 academic staff members engaged in sustainability initiatives

22

sustainability-related institutional policies implemented

Strengthening of sustainability governance, monitoring, and reporting mechanisms

Organisation of Climate Week and other climate action initiatives

Implementation of the Eco Water Conservation Hackathon and water sustainability activities

Expansion of sustainability-related research, innovation, and entrepreneurship initiatives

Further development of BlueLab MDU and sustainability-oriented research infrastructure

Promotion of social inclusion, equality, wellbeing, and community engagement activities

Advancement of preparations for UI GreenMetric, QS Sustainability Rankings, and THE Impact Rankings

SUPPORTING ALL 17 SUSTAINABLE DEVELOPMENT GOALS



Environmental Sustainability



5.1. Energy

5.1.1. Energy Sustainability and Climate Responsibility

Energy sustainability remained one of the key pillars of Mingachevir State University's environmental sustainability agenda throughout 2025. As a university located in one of Azerbaijan's most important energy and industrial centres, the University recognizes its responsibility to contribute to national and global efforts aimed at improving energy efficiency, expanding renewable energy use, reducing greenhouse gas emissions, and supporting the transition towards a low-carbon economy.

The University's approach to energy management is guided by a comprehensive policy framework, including the Sustainable Development Policy, Energy Efficiency and Green Infrastructure Policy, Climate Change Mitigation Policy, Net Zero Emissions Policy, and the Net Zero Emissions Roadmap 2030. These policies provide strategic direction for reducing energy consumption, improving resource efficiency, promoting renewable energy technologies, and integrating climate action principles into institutional operations, teaching, research, and community engagement activities. The implementation of these policies continued throughout 2025 and served as the foundation for the University's energy and climate-related initiatives.

As part of its commitment to sustainable campus development, the University continued to strengthen institutional mechanisms for monitoring energy consumption, assessing energy performance, and identifying opportunities for efficiency improvements. Energy management practices were integrated into campus planning and operational decision-making processes, ensuring that energy considerations were incorporated into infrastructure upgrades, procurement decisions, and facility management activities.



5.1.2. Campus Energy Consumption and Management

During 2025, Mingachevir State University recorded a total annual electricity consumption of 159,401 kWh. Electricity was used to support academic activities, research operations, administrative functions, information technology infrastructure, campus services, and student facilities. The largest share of energy consumption was associated with academic buildings, including classrooms, laboratories, faculty offices, and the library, which accounted for 76,512 kWh (48%) of total electricity use. Research centres and laboratories consumed 23,910 kWh (15%), reflecting the growing role of research infrastructure within the University. Other significant consumers included IT infrastructure and data centres (11,158 kWh), sports facilities (9,564 kWh), and campus lighting systems (6,376 kWh).

The distribution of electricity consumption demonstrates the University's increasing reliance on digital technologies, research infrastructure, and modern educational facilities. At the same time, it highlights the importance of implementing energy efficiency measures capable of supporting institutional growth while minimizing environmental impacts. The University also continued to improve data collection and monitoring systems related to energy use. Regular assessments of electricity consumption patterns enabled more informed decision-making and provided an evidence base for future energy planning and efficiency initiatives.



5.1.3. Energy Efficiency and Green Infrastructure



Improving energy efficiency remained one of the University's primary priorities throughout the reporting period. Significant efforts were undertaken to reduce unnecessary energy consumption and improve the overall performance of campus infrastructure.

The University continued the gradual replacement of conventional lighting systems with energy-efficient LED technologies across academic buildings, offices, corridors, laboratories, and common areas. LED lighting systems not only reduced electricity consumption but also improved lighting quality, safety, and maintenance efficiency. Energy-efficient equipment was increasingly used in teaching facilities, computer laboratories, and administrative offices.

In parallel, the University strengthened the implementation of smart building technologies designed to improve energy management and operational efficiency. Smart energy solutions included occupancy-based lighting controls, automated monitoring systems, intelligent classroom technologies, CCTV-integrated management systems, energy-efficient ventilation and HVAC systems, and environmental monitoring mechanisms. These technologies contributed to reducing energy waste while improving user comfort and building performance.

By the end of 2025, smart building technologies had been implemented across approximately 10,300 m² of University facilities, representing 76.4% of the total building area. This achievement demonstrates the University's strong commitment to modern sustainable infrastructure and environmentally responsible campus management.



5.1.4. Renewable Energy Development

The development and promotion of renewable energy remained an important component of the University's sustainability strategy. Throughout 2025, the University continued to integrate renewable energy technologies into campus infrastructure while simultaneously strengthening renewable energy education and awareness activities.

Photovoltaic solar energy systems installed on campus generated approximately 2,750 kWh of renewable electricity annually. This production represented approximately 6% of the University's total annual electricity consumption and contributed directly to reducing dependence on conventional electricity sources and lowering greenhouse gas emissions.



Although renewable energy generation currently represents a relatively small proportion of total energy demand, the initiative serves as an important demonstration project supporting environmental education, practical learning, and renewable energy awareness among students and staff.

The University also promoted renewable energy visibility through the installation of solar-powered smart benches, solar-powered outdoor lighting systems, and renewable-energy-based educational infrastructure. These facilities not only provide practical benefits but also serve as visible symbols of the University's commitment to clean energy and sustainable campus development.

5.1.5. Research, Innovation and Sustainable Energy Solutions

As a higher education institution with strong historical ties to the energy sector, Mingachevir State University continued to strengthen research and innovation activities related to sustainable energy throughout 2025.

The Research Institute of Sustainable Energy and Regional Development played a leading role in supporting research on renewable energy technologies, climate resilience, energy policy, energy efficiency, carbon reduction strategies, and sustainable infrastructure. Research activities were increasingly aligned with national energy priorities, global climate commitments, and the United Nations Sustainable Development Goals.

The University also supported student innovation and entrepreneurship in the energy sector through various competitions, exhibitions, bootcamps, and innovation programmes. Students participated in projects related to smart energy management, energy monitoring systems, artificial intelligence applications for resource optimization, environmental sustainability solutions, and green technology development. These initiatives contributed to the development of future-ready skills and strengthened the University's innovation ecosystem.



5.1.6. Climate Action and Carbon Reduction

The University's energy activities were closely linked to broader climate action objectives. During 2025, various initiatives were implemented to reduce greenhouse gas emissions and promote environmentally responsible behaviours among students and staff. The expansion of renewable energy systems, wider use of LED lighting technologies, modernization of energy infrastructure, and the adoption of energy-efficient equipment contributed to lowering the University's overall carbon footprint.

The University also promoted climate-conscious lifestyles through awareness campaigns, seminars, workshops, and student engagement activities focusing on climate change mitigation, energy conservation, sustainable consumption, and environmental responsibility. Green transportation initiatives and support for sustainable mobility further encouraged the reduction of emissions associated with daily campus activities.

These efforts were complemented by campus greening programmes, tree-planting activities, and long-term planning aimed at supporting the University's transition towards net-zero emissions. Through the integration of technological improvements, environmental education, and sustainable campus management, the University continued to strengthen its contribution to national climate priorities and the United Nations Sustainable Development Goals.

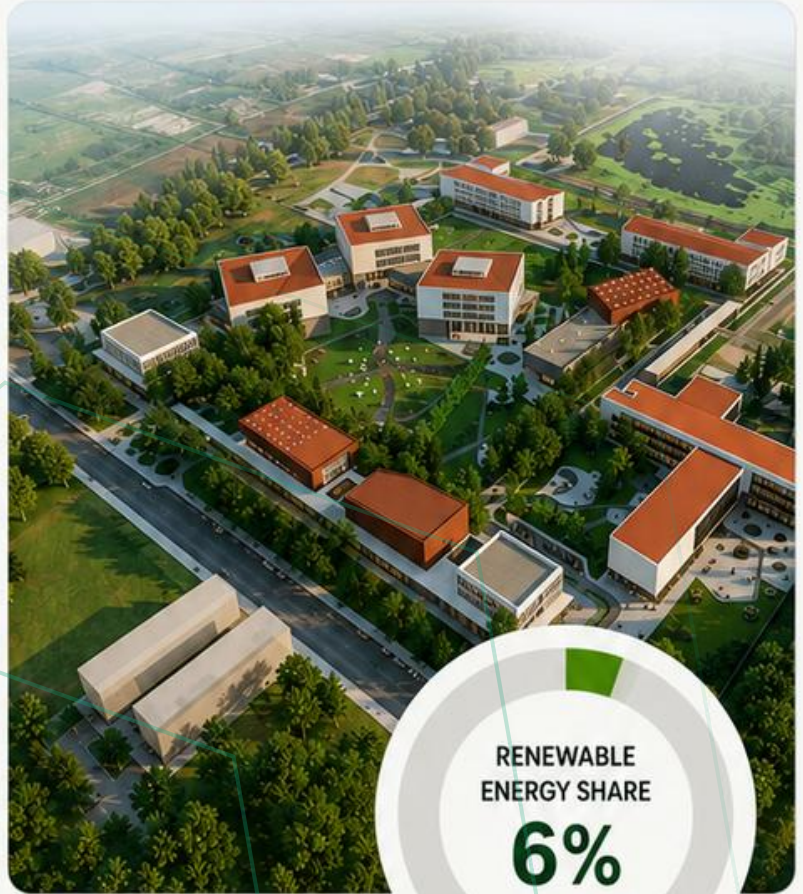


ENERGY PERFORMANCE DASHBOARD

37

(2025)

INDICATOR	RESULT
 Total Electricity Consumption	159,401 kWh
 Renewable Energy Production	2,750 kWh
 Renewable Energy Share	6%
 Smart Building Coverage	76.4%
 Smart Building Area	10,300 m ²
 Total Building Area	13,477 m ²



 Academic Buildings Electricity Consumption	76,512 kWh
 Research Centres Electricity Consumption	23,910 kWh
 IT Infrastructure Electricity Consumption	11,158 kWh
 Sports Facilities Electricity Consumption	9,564 kWh
 Campus Lighting Consumption	6,376 kWh



ENERGY
EFFICIENCY



SMART
MANAGEMENT



SUSTAINABLE
FUTURE



GREENER
CAMPUS

5.1.8. Energy Case Studies 2025



CASE STUDY 1

Energy Efficiency and Consumption Reduction



Mingachevir State University has implemented a range of energy efficiency measures aimed at reducing overall energy consumption and improving operational sustainability. These measures include upgrading lighting systems, optimizing energy use, and promoting responsible consumption.

BETWEEN 2024 AND 2025:



Replacement of conventional lighting with LED systems across key campus buildings



17%
reduction in electricity consumption



Introduction of energy-saving policies and internal guidelines

KEY IMPACT:



Improved energy efficiency across campus



Reduced operational costs related to energy consumption



Contribution to greenhouse gas emission reduction



These initiatives demonstrate the University's commitment to building a more efficient, cost-effective, and environmentally responsible campus.



As part of its sustainable campus management strategy, Mingachevir State University implemented a range of practical measures aimed at improving energy efficiency and reducing overall energy consumption. These initiatives focused on modernizing energy infrastructure, upgrading lighting systems, and promoting the responsible use of energy resources to enhance operational sustainability.

Between 2024 and 2025, conventional lighting systems across campus were gradually replaced with LED technologies, resulting in an approximately 17% reduction in electricity consumption. In parallel, the University introduced energy-saving policies and internal guidelines to support efficient energy management and foster a culture of responsible energy use among students and staff.

As a result of these initiatives, energy efficiency across the campus improved, operational costs associated with energy consumption were reduced, and the University's contribution to lowering greenhouse gas emissions was strengthened. This case demonstrates Mingachevir State University's commitment to building a more environmentally responsible, cost-effective, and sustainable campus while supporting the achievement of the United Nations Sustainable Development Goals.

CASE STUDY 2

Renewable Energy Integration



The University has initiated the integration of renewable energy sources into its energy mix to reduce dependence on conventional energy and promote sustainability.



**CLEAN ENERGY
FOR A
SUSTAINABLE
CAMPUS**

BETWEEN 2024 AND 2025:



Installation of solar panels in selected campus areas



Renewable energy contribution reached approximately 6% of total energy use



Feasibility studies conducted for further renewable expansion

KEY IMPACT:



Increased use of clean and renewable energy sources



Reduced carbon footprint



Alignment with global energy sustainability trends



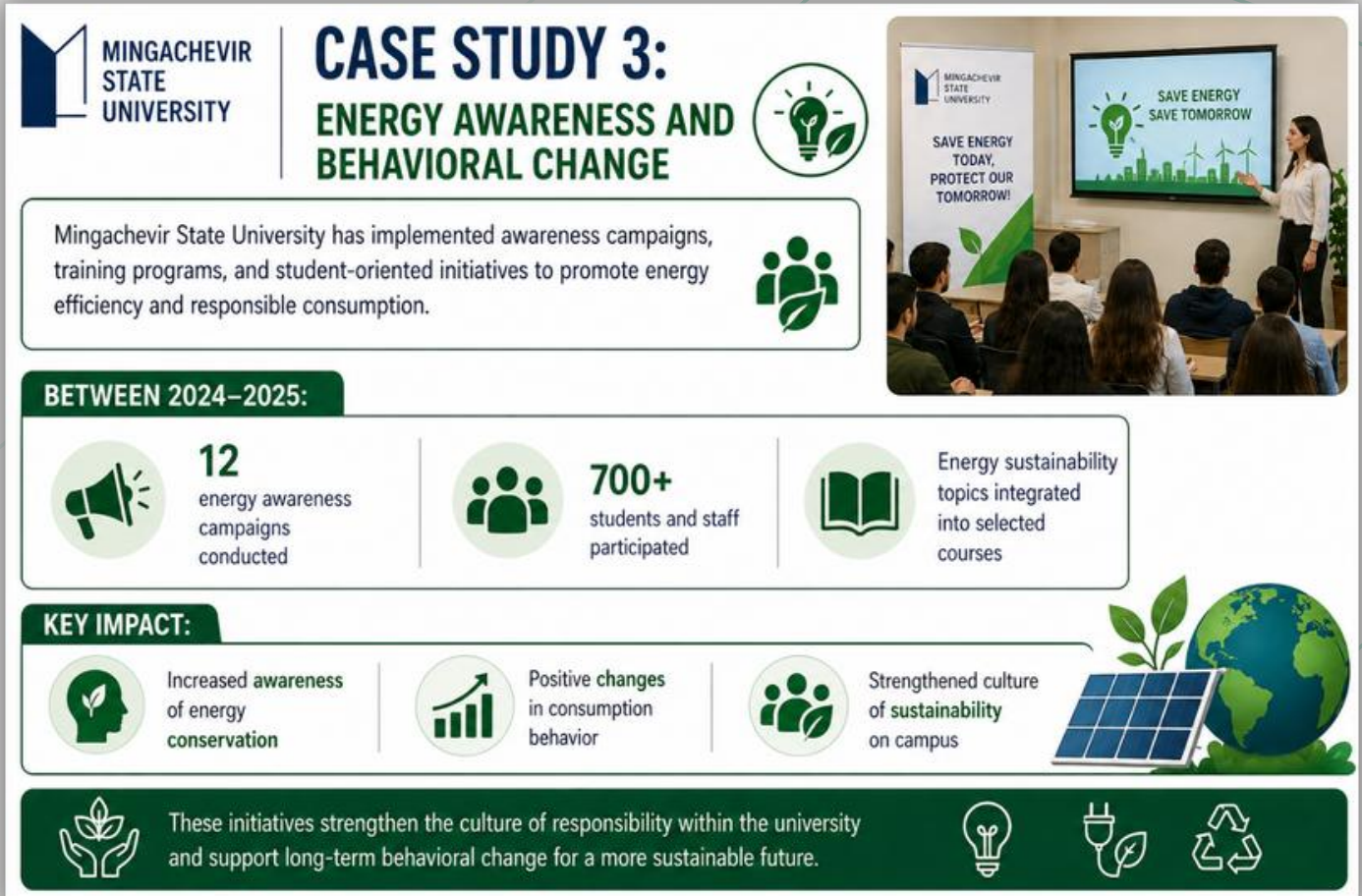
These initiatives reflect Mingachevir State University's commitment to a sustainable future by embracing renewable energy and driving positive environmental impact.



Mingachevir State University has taken important steps to integrate renewable energy sources into its campus energy system as part of its long-term sustainability strategy. By investing in clean energy technologies, the University aims to reduce its dependence on conventional energy sources, improve energy security, and support environmentally responsible campus development.

Between 2024 and 2025, photovoltaic solar panels were installed in selected areas of the campus, providing a reliable source of renewable electricity. During the reporting period, renewable energy contributed approximately 6% of the University's total energy use, while feasibility studies and technical assessments were conducted to support the future expansion of renewable energy infrastructure.

The integration of renewable energy has increased the use of clean and sustainable energy sources, contributed to the reduction of the University's carbon footprint, and strengthened alignment with global energy sustainability trends. This initiative reflects Mingachevir State University's commitment to promoting innovation, environmental responsibility, and the transition towards a greener and more sustainable future.



Mingachevir State University recognizes that sustainable energy management depends not only on technological improvements but also on the active participation of its community. Therefore, the University implemented a series of awareness campaigns, training programmes, and student-led initiatives aimed at promoting energy efficiency, responsible consumption, and environmentally conscious behaviour.

During the 2024–2025 reporting period, the University organized 12 energy awareness campaigns, engaging more than 700 students and staff members in seminars, workshops, and educational activities. In addition, topics related to energy sustainability, climate action, and responsible resource management were increasingly integrated into selected academic courses, helping to strengthen sustainability literacy across the campus community.

These initiatives contributed to raising awareness of energy conservation, encouraging positive changes in consumption behaviour, and fostering a stronger culture of sustainability within the University. By combining education, community engagement, and practical action, Mingachevir State University continues to support long-term behavioural change and promote a more sustainable future.

FUTURE ENERGY COMMITMENTS (2026–2027)



Building upon the achievements recorded in 2025, **Mingachevir State University** will continue to strengthen its commitment to sustainable energy management and climate action through a set of measurable targets aligned with **SDG 7 – Affordable and Clean Energy**.



OUR COMMITMENTS FOR 2026–2027



01



Increase renewable energy share

Raise the share of renewable energy beyond **6%**, with a long-term objective of reaching and surpassing the institutional target of **15%**.

02



Expand clean energy infrastructure

Expand solar and other clean energy systems for a low-carbon campus.

03



Reduce electricity consumption

Build on the current **17%** reduction and improve energy efficiency.

04



Achieve full integration of LED lighting

Increase energy-efficient lighting coverage from the current **60%** to **100%** across campus infrastructure.

05



Strengthen energy governance

Improve and integrate policies, guidelines and smart energy systems continuously.

06



Enhance research and innovation

Advance research in renewable energy and sustainable technologies through academic and research activities.

07



Deepen cooperation and partnerships

Collaborate with industry partners and international networks for knowledge exchange and collaborative projects.

08



Reduce greenhouse gas emissions

Advance towards Net Zero Emissions and climate neutrality objectives.

09



Expand energy awareness and education

Increase campaigns and student engagement initiatives and promote energy literacy.

10



Broaden community participation

Build on **700+** students and staff involved and strengthen a culture of environmental responsibility.

11



Integrate sustainability in all activities

Embed sustainable energy principles in teaching, research and campus operations.

12



Support national and global climate action

Contribute to the UN SDGs, especially SDG 7, and related climate commitments.



AFFORDABLE
AND CLEAN
ENERGY



ENERGY
EFFICIENCY



SMART
MANAGEMENT



SUSTAINABLE
FUTURE



GREENER
CAMPUS

Environmental Sustainability



5.2. Water Management

5.2.1. Water Sustainability and Responsible Resource Management

Water sustainability remained one of the key pillars of Mingachevir State University's environmental sustainability strategy throughout 2025. Recognising the increasing global challenges associated with water scarcity, climate change, biodiversity loss, and environmental degradation, the University continued to strengthen its institutional commitment to the sustainable management and protection of water resources.

The University's approach to water governance is guided by the Clean Water Policy, Sustainable Development Policy, Environmental Policy, and Climate Change Mitigation Policy. These institutional frameworks support responsible water consumption, pollution prevention, wastewater management, ecosystem protection, and the integration of sustainable water management principles into education, research, innovation, and campus operations.

Throughout the reporting period, the University adopted a comprehensive approach to water sustainability based on five strategic priorities:

- strengthening water governance and institutional management;
- improving water conservation and efficiency across campus;
- expanding water-related research and innovation;
- promoting environmental education and community engagement;
- supporting climate resilience through sustainable water infrastructure.

These initiatives contributed directly to the implementation of the United Nations Sustainable Development Goals, particularly SDG 6 – Clean Water and Sanitation.



5.2.2. Water Governance and Institutional Commitment

Effective water governance is one of the key pillars of Mingachevir State University's sustainability strategy. The University considers the protection and efficient use of water resources to be an essential component of environmental responsibility, the green campus concept, and its contribution to the Sustainable Development Goals. This approach reinforces the University's institutional commitment to ensuring water security and reducing environmental impacts.

Throughout 2025, water management activities were coordinated through the Sustainable Development Committee, the Quality Assurance and Accreditation Department, the Center for Environmental Sustainability and Climate Action, the Regional Water Excellence and Sustainability Laboratory (BlueLab MDU), as well as other academic and administrative units. This collaborative approach supported the establishment of an integrated and systematic framework for sustainable water governance.

Water management was incorporated into the University's broader strategic planning processes, ensuring that environmental considerations were integrated into infrastructure development, campus operations, research activities, and community engagement initiatives. The monitoring of water consumption, preventive maintenance programmes, and technical management practices contributed to the efficient use of resources and the reduction of potential water losses.

Regular monitoring, internal reporting mechanisms, and evidence-based management practices strengthened decision-making processes and enhanced transparency and institutional accountability in sustainable water management. At the same time, the University continued to support education, research, and awareness-raising activities related to water sustainability, fostering a culture of environmental responsibility and sustainable behaviour among students and staff.



5.2.3. Campus Water Infrastructure and Natural Water Absorption



Mingachevir State University continued to improve the environmental sustainability of its campus infrastructure by preserving natural water absorption areas and supporting groundwater recharge processes.

The University's campus occupies a total area of approximately 85,083 m², of which around 48,000 m² functions as natural water absorption space, representing approximately 56% of the total campus area. These permeable surfaces include green areas, open soil zones, landscaped spaces, and environmentally sensitive infrastructure that support rainwater infiltration and reduce surface runoff.

The preservation of these natural absorption zones contributes to:

- groundwater recharge;
- flood risk reduction;
- stormwater management;
- biodiversity conservation;
- climate adaptation;
- sustainable land use.

The University also operates rainwater collection and storage infrastructure, including a water reservoir with a capacity of approximately 80 m³ and a groundwater recharge system with a capacity of approximately 40 m³, supporting sustainable campus water management and reducing dependence on external water supplies.

5.2.4. Water Conservation and Efficient Water Use

Responsible water use remained a major priority throughout 2025.

The University implemented a range of practical measures designed to reduce water consumption and improve operational efficiency across campus facilities. Water conservation practices were integrated into academic buildings, laboratories, administrative offices, student facilities, and green spaces.

Key measures included:

- installation of sensor-activated water faucets;
- application of low-flow water fixtures;
- use of dual-flush toilet systems;
- regular inspection of water supply infrastructure;
- leak detection and preventive maintenance programmes;
- controlled irrigation systems for campus landscaping;
- awareness campaigns promoting responsible water consumption.



Water consumption patterns were regularly monitored to identify inefficiencies and support continuous improvement in resource management.

By the end of the reporting period, more than 84% of water-related appliances and fixtures across the campus met water-efficiency standards, demonstrating the University's commitment to sustainable infrastructure and responsible resource use.

5.2.5. BlueLab MDU and Water Research



Research and innovation continued to play a central role in Mingachevir State University's water sustainability strategy throughout 2025. One of the University's most significant institutional achievements in this field was the further development of the Regional Water Excellence and Sustainability Laboratory (BlueLab MDU). The laboratory serves as a multidisciplinary platform supporting both scientific research and practical education in areas such as water quality assessment, sustainable water resource management, industrial wastewater monitoring, ecological and hydrological studies, the water-energy-food nexus, climate resilience, digital water monitoring systems, and environmental technologies.

BlueLab MDU provides valuable opportunities for student involvement in research, strengthens scientific collaboration, enhances practical learning experiences, and facilitates knowledge transfer between academia, industry, and society. At the same time, the laboratory contributes to the development of evidence-based and innovative solutions to regional and national water-related challenges, supporting sustainable environmental management and water security.

During the reporting period, a number of research activities were carried out through BlueLab MDU, including water quality assessments in the Central Aran economic region, ecological and hydrological studies of the Kura River, and investigations into the environmental impacts of industrial wastewater. These initiatives further strengthened the University's research capacity in water sustainability, environmental protection, and climate adaptation while contributing to the achievement of the Sustainable Development Goals.

5.2.6. Water Management Case Study



CASE STUDY 1

Efficient Water Management and Consumption Reduction

Mingachevir State University has implemented systematic measures to improve water efficiency and reduce overall water consumption across campus facilities. These initiatives include the installation of water-saving technologies and the promotion of responsible water use.



BETWEEN 2024 AND 2025:



Smart water meters installed in key campus buildings



Water consumption reduced by approximately
18%



Introduction of water-saving fixtures (low-flow taps, dual-flush systems)

KEY IMPACT:



Improved efficiency in water use



Reduction in operational costs related to water consumption



Contribution to sustainable resource management



These actions reflect the University's commitment to sustainability and the responsible use of natural resources, supporting a more efficient and environmentally friendly campus.



Mingachevir State University has implemented a comprehensive water management strategy to improve water efficiency and reduce overall water consumption across campus facilities. As part of its commitment to sustainable resource management, the University introduced a range of practical measures, including the installation of smart water metering systems in key campus buildings, the deployment of sensor-activated water faucets, and the application of low-flow water fixtures and dual-flush technologies. These initiatives were supported by continuous monitoring of water consumption patterns and regular maintenance programmes designed to improve the performance of water infrastructure.

The implementation of these measures resulted in an approximately 18% reduction in water consumption between 2024 and 2025, contributing to more efficient campus operations and lower operational costs. At the same time, the University's water conservation initiatives strengthened the sustainable management of natural resources, reduced unnecessary water losses, and promoted environmentally responsible behaviour among students and staff.

5.2.6. Water Management Case Study



CASE STUDY 2

Wastewater Management and Sanitation Improvement

The University has taken steps to improve sanitation infrastructure and ensure environmentally responsible wastewater management. Upgrades to sanitation systems have enhanced hygiene standards and reduced environmental impact.



BETWEEN 2024 AND 2025:



Renovation of sanitation facilities across campus



Implementation of basic wastewater control mechanisms



Regular monitoring of sanitation conditions

KEY IMPACT:



Improved hygiene and sanitation standards



Reduced environmental risks associated with wastewater



Enhanced campus living and learning conditions



These actions demonstrate the University's commitment to sustainable wastewater management, healthier environments, and the well-being of the entire campus community.



Mingachevir State University has continued to strengthen its commitment to sustainable wastewater management and sanitation by improving campus infrastructure and promoting environmentally responsible practices. As part of the University's broader sustainability strategy, a range of measures were implemented to enhance sanitation standards, support efficient wastewater control, and minimize potential environmental impacts associated with campus operations. Between 2024 and 2025, the University carried out renovation and modernization works in sanitation facilities across campus, introduced basic wastewater control mechanisms, and strengthened regular monitoring and maintenance procedures. These initiatives contributed to the more effective management of wastewater systems while supporting healthier and safer learning and working environments. The implementation of these improvements has resulted in enhanced hygiene and sanitation standards, reduced environmental risks related to wastewater, and improved overall campus living and learning conditions. Through these actions, Mingachevir State University continues to demonstrate its institutional commitment to sustainable wastewater management, environmental protection, and the well-being of the entire university community, while contributing to the achievement of the United Nations Sustainable Development Goals.

5.2.6. Water Management Case Study



CASE STUDY 3

Water Awareness and Educational Initiatives

Mingachevir State University actively promotes awareness of water conservation and sustainable use through educational programs, campaigns, and student engagement activities.



BETWEEN 2024 AND 2025:



18
awareness campaigns
and training sessions
conducted



600+
students and staff
participated



Integration of water
sustainability topics
into selected courses

KEY IMPACT:



Increased awareness
of water conservation
practices



Behavioral change
towards responsible
water use



Strengthened culture
of environmental
responsibility



Through education and engagement, the University fosters a community that values water, protects resources, and builds a sustainable future.



Mingachevir State University actively promotes water conservation and the sustainable use of water resources through a wide range of educational and awareness-raising activities. Recognising that long-term water security depends not only on infrastructure but also on individual responsibility and behavioural change, the University integrates water sustainability principles into its educational, social, and community engagement programmes.

Between 2024 and 2025, the University organized 18 awareness campaigns, seminars, and training sessions dedicated to water conservation and environmental sustainability. More than 600 students and staff members participated in these activities, which focused on responsible water use, resource protection, and the environmental challenges associated with water scarcity and climate change. In addition, water sustainability topics were increasingly incorporated into selected academic courses, strengthening the integration of sustainable development principles into teaching and learning.

WATER

PERFORMANCE DASHBOARD (2025)

MANAGING WATER TODAY FOR A SUSTAINABLE TOMORROW

MINGƏÇEVİR
DÖVLƏT
UNİVERSİTETİ



KEY INDICATORS

Total Campus Area



85,083
m²

Natural Water
Absorption Area



48,000
m²

Water Absorption
Coverage



Rainwater Reservoir
Capacity



80
m³

Groundwater Recharge
Capacity



40
m³

Treated Water
Reuse Rate



Water-Efficient
Appliances Coverage



Sensor-Activated
Faucets



IMPLEMENTED

Dual-Flush
Toilet Systems



IMPLEMENTED



WATER INITIATIVES & SYSTEMS



BlueLab MDU

OPERATIONAL



Water Quality
Monitoring

CONTINUOUS



Water Recycling
Programme

ACTIVE



Sustainable
Irrigation Systems

IMPLEMENTED



Clean Water
Policy

IMPLEMENTED



CONSERVE

We use water responsibly and efficiently.



REUSE

We treat and reuse water to reduce dependency.



RECHARGE

We restore natural water cycles for a sustainable future.



MONITOR

We monitor water quality continuously for a healthy campus.



COMMIT

We are committed to clean water and a better tomorrow.



EVERY DROP COUNTS. EVERY ACTION MATTERS.

Together for a Water-Smart Campus

WATER SUSTAINABILITY HIGHLIGHTS 2025

KEY ACHIEVEMENTS



Continued implementation of the **CLEAN WATER POLICY**



48,000 m² of natural water absorption areas preserved



Operation of **RAINWATER HARVESTING** and **GROUNDWATER RECHARGE** infrastructure



Reuse of **55-60%** of treated and collected water resources



Expansion of **WATER-EFFICIENT TECHNOLOGIES** across campus



Further development of **BLUELAB MDU**



Strengthening of **WATER QUALITY MONITORING** and pollution control activities



Expansion of research on the **KURA RIVER** and regional water ecosystems



Promotion of sustainable water management through **EDUCATION** and **AWARENESS** campaigns



Integration of water sustainability into the University's broader **CLIMATE ACTION STRATEGY**

OUR IMPACT IN 2025

48,000 m²
Natural water absorption areas preserved

55-60%
Reuse of treated and collected water resources

100%
Rainwater harvesting systems operational

Expanding water-efficient technologies

EVERY DROP COUNTS
FOR A SUSTAINABLE TOMORROW



COLLECT



STORE



RECHARGE



USE



TREAT



REUSE



48,000 m²
Natural water absorption areas preserved



55-60%
Reuse of treated and collected water resources



100%
Rainwater harvesting systems operational



Expanding water-efficient technologies



EVERY DROP COUNTS
FOR A **SUSTAINABLE TOMORROW**



CLEAN WATER
FOR ALL



HEALTHY
ECOSYSTEMS



CLIMATE
ACTION



BETTER
TOMORROW

FUTURE WATER COMMITMENTS

2026–2027



Building on our progress, we continue our commitment to **SDG 6 – Clean Water and Sanitation**



**REDUCE
WATER USE**

TARGETS

2026	2027
20%	25%



**SMART
WATER METERS**

TARGETS

2026	2027
80%	100%



**MODERNISE &
INTEGRATE CAMPUS
SANITATION**

TARGETS

2026	2027
80%	100%



**INCREASE REUSE &
STRENGTHEN RAINWATER
HARVESTING AND
GROUNDWATER RECHARGE**

TARGETS

2026	2027
50%	75%



**STRENGTHEN
BLUELAB MDU &
EXPAND RESEARCH
CAPACITY**

TARGETS

2026	2027
20%	30%



**PROMOTE INNOVATION
& DIGITALISATION
IN WATER
MANAGEMENT**

TARGETS

2026	2027
20%	30%



**EXPAND WATER
RESEARCH &
STRENGTHEN
PARTNERSHIPS**

TARGETS

2026	2027
20%	30%



**ENHANCE EDUCATION
& AWARENESS FOR
RESPONSIBLE
WATER USE**

TARGETS

2026	2027
20%	30%



**BROADEN COMMUNITY
PARTICIPATION &
STAKEHOLDER
ENGAGEMENT**

TARGETS

2026	2027
20%	30%



**INTEGRATE WATER
SUSTAINABILITY INTO
CAMPUS & CLIMATE
ACTION PLANNING**

TARGETS

2026	2027
50%	75%



**CONTRIBUTE TO
SDG 6 & GLOBAL
SUSTAINABILITY
EFFORTS**

TARGETS

2026	2027
50%	75%

**EVERY
DROP,
EVERY
ACTION
COUNTS**



**Sustainable water.
Stronger future.
Better tomorrow.**



CONSERVE



MONITOR



INNOVATE



COLLABORATE



PROTECT



**6 CLEAN WATER
AND SANITATION**



5.3. Waste Management

5.3.1. Sustainable Waste Management and Circular Economy

Sustainable waste management remained one of the fundamental pillars of Mingachevir State University's environmental sustainability strategy throughout 2025. Recognising the increasing environmental challenges associated with waste generation, resource depletion, and climate change, the University continued to strengthen institutional mechanisms aimed at reducing waste production, improving recycling practices, and promoting responsible consumption across all areas of campus life.

The University's waste management activities are implemented in accordance with the Waste Management and Recycling Policy, Environmental Policy, Sustainable Development Policy, and Green Campus Strategy. These institutional frameworks support the transition towards a circular economy model by encouraging waste prevention, material recovery, resource efficiency, and environmentally responsible disposal practices.

Rather than viewing waste management solely as an operational activity, the University integrates sustainable waste practices into education, research, innovation, and community engagement, thereby strengthening environmental awareness among students, academic staff, and administrative personnel.



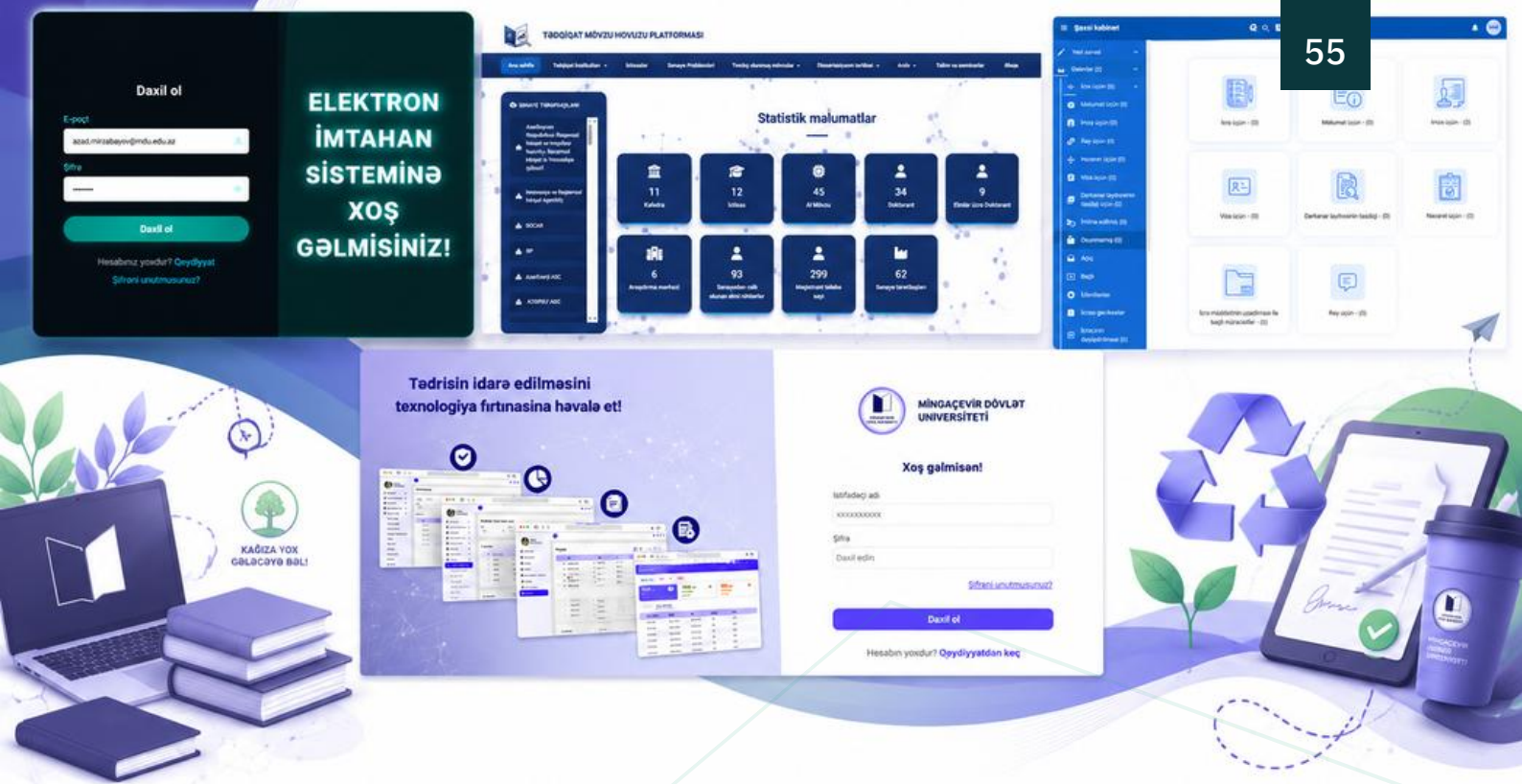
5.3.2. Reduce, Reuse and Recycle (3R Strategy)

The University's waste management approach is based on the internationally recognised principles of Reduce, Reuse and Recycle (3R), which support sustainable resource management and the transition towards a circular economy. Throughout 2025, significant efforts were undertaken to reduce waste generation through the expansion of digital technologies, paperless administrative systems, sustainable procurement practices, and awareness-raising activities promoting responsible resource use across the University community.

The principle of reuse was strengthened through the redistribution and continued use of furniture, educational materials, office equipment, and other functional resources among academic and administrative units. At the same time, recycling practices were expanded through the installation of separate collection infrastructure for paper, plastic, batteries, electronic waste, and other recyclable materials, encouraging proper waste segregation and improving material recovery across campus.

The implementation of the 3R strategy contributes not only to reducing the University's environmental footprint and conserving natural resources but also to promoting sustainable consumption patterns and strengthening environmental responsibility among students and staff. By integrating waste prevention, reuse, and recycling into everyday campus operations, the University continues to support its broader sustainability objectives and the achievement of the United Nations Sustainable Development Goals.





5.3.3. Paper and Plastic Waste Reduction

Digital transformation continued to play a decisive role in reducing paper consumption and plastic waste generation throughout 2025. The implementation of the DigitalEdu academic management platform, the Electronic Examination Portal, the Electronic Document Management Portal, the Research Topic Pool Platform, electronic journals, online assignment submission systems, and electronic archiving significantly reduced dependence on paper-based academic and administrative procedures. The increasing use of digital platforms for internal communication, official documentation, examination processes, and research management further strengthened the University's Paperless Campus initiative and contributed to minimising paper consumption across campus operations.

At the same time, initiatives promoting reusable alternatives and reducing the use of single-use plastics were expanded across campus activities and public events. Environmental awareness campaigns and educational programmes encouraged students and staff to adopt sustainable consumption habits and responsible resource management practices, supporting the University's broader waste reduction objectives.

As a result of these measures, the total volume of paper waste was reduced from 5.4 tons to 4.8 tons, while plastic waste decreased from 8.0 tons to 7.2 tons during the reporting period. Overall, total paper and plastic waste generation declined from 13.4 tons to 12.0 tons, representing a reduction of 1.4 tons compared with the previous year. These achievements demonstrate the effectiveness of the University's digitalisation strategy and its institutional commitment to waste prevention, sustainable resource management, and environmental sustainability.

5.3.4. Organic Waste Management

Throughout 2025, the University continued to strengthen the sustainable management of organic waste and further integrated this area into its overall waste management strategy. Effective organic waste management not only supports the efficient use of natural resources but also contributes to reducing waste generation, minimising greenhouse gas emissions, and advancing the principles of a circular economy.

Food residues generated in the student cafeteria, together with biodegradable green waste produced through landscaping and campus maintenance activities, represent the primary sources of organic waste. Under the "No Waste Campus" initiative, the University regularly monitors food waste generation, implements measures to reduce unnecessary waste, and organises awareness campaigns promoting responsible consumption among students and staff. At the same time, the reuse of plant residues and other biodegradable materials generated on campus is encouraged as part of the University's sustainable campus management approach.

Concepts related to composting and organic waste recovery have been integrated into environmental education and sustainability training programmes. Students gain both theoretical and practical knowledge of modern composting methods, including open composting, vermicomposting, and Bokashi systems. Organic materials generated on campus are processed and reused to support landscaping activities, improve soil quality, and maintain green spaces. These initiatives help reduce the amount of waste sent to landfill, expand the circular use of resources, and strengthen the University's contribution to United Nations Sustainable Development Goal 12 – Responsible Consumption and Production.



5.3.5. Waste Management Case Study



Mingachevir State University has strengthened sustainable resource management and waste reduction by integrating digital technologies into academic and administrative processes. The implementation of DigitalEdu, the Electronic Examination System, the Research Topic Pool Platform, electronic document circulation, online assignment submission, electronic journals, and digital archiving has significantly reduced dependence on paper-based procedures and supported the University's Paperless Campus initiative. At the same time, the promotion of reusable products and environmentally friendly alternatives has helped reduce the consumption of single-use plastics across campus activities.

In parallel, the University has expanded waste segregation and recycling practices through improved collection infrastructure and awareness campaigns promoting responsible consumption. These initiatives have contributed to lower waste generation, enhanced recycling performance, and stronger environmental responsibility among students and staff. By combining digital innovation with sustainable waste management, the University continues to advance the principles of Reduce, Reuse and Recycle (3R), support the transition towards a circular economy, and contribute to the achievement of the United Nations Sustainable Development Goal 12 – Responsible Consumption and Production.

5.3.5. Waste Management Case Study



Mingachevir State University has integrated sustainability principles into its procurement and operational processes to minimise environmental impacts and promote responsible resource use across the campus. The University increasingly prioritises environmentally friendly products, reusable materials, and sustainable alternatives in purchasing decisions, while green procurement guidelines support the adoption of more sustainable practices within academic and administrative units. The use of reusable bags, refillable bottles, and other eco-friendly products reflects the institution's commitment to reducing waste and encouraging sustainable consumption patterns.

These initiatives have contributed to a significant reduction in the University's environmental footprint and strengthened the development of a greener supply chain. Between 2024 and 2025, approximately 60% of procured materials were replaced with environmentally preferable alternatives, while the use of single-use plastics was reduced by around 30%. By embedding sustainability into procurement and daily operations, the University continues to support the principles of responsible consumption and production, promote circular economy practices, and contribute to the achievement of the United Nations Sustainable Development Goal 12.

5.3.5. Waste Management Case Study



Mingachevir State University actively promotes sustainable consumption and responsible resource use through education, awareness-raising activities, and student engagement initiatives. Sustainability topics are integrated into academic programmes, training sessions, seminars, and community events, enabling students and staff to develop practical knowledge and environmentally responsible behaviours. The University also encourages participation in eco-events, volunteer campaigns, and student-led sustainability projects that support the principles of responsible consumption and production.

These initiatives have strengthened the culture of sustainability across the University and contributed to greater environmental awareness within the campus community. Between 2024 and 2025, more than 15 sustainability awareness campaigns and training sessions were organised, involving over 550 students and staff members, while sustainability concepts were incorporated into six academic courses. By fostering education, engagement, and collective action, the University continues to empower its community to make responsible choices and contribute to the achievement of the United Nations Sustainable Development Goal 12 – Responsible Consumption and Production.

WASTE MANAGEMENT KPI DASHBOARD



2025 RESULT

INDICATOR

2025 RESULT



Total paper and plastic waste generated

12.0 tons



Total waste reduction achieved

1.4 tons



Paper waste

4.8 tons



Plastic waste

7.2 tons



Paper waste reduction

0.6 tons



Plastic waste reduction

0.8 tons



Waste management model

3R
(Reduce, Reuse, Recycle)



Digital waste management

DigitalEdu & ECO-CORE Platform



Organic waste treatment

Composting and recovery practices



Circular economy partnership

Green Blue MMC



DIGITALEDU & ECO-CORE PLATFORM



COMPOSTING AND RECOVERY PRACTICES



OUR PARTNER
GREEN BLUE MMC



WASTE SUSTAINABILITY HIGHLIGHTS

2025



Continued implementation of the **Waste Management and Recycling Policy (2025–2028)**

3R

Expansion of the **3R Strategy** (Reduce, Reuse and Recycle)



Further development of the **Paperless Campus Initiative** through digitalisation and smart systems



Reduced total paper and plastic waste from **13.4 tons to 12.0 tons**

↓ 1.4 tons



Reduced paper waste to **4.8 tons** and plastic waste to **7.2 tons**



Expansion of separate waste collection for paper, plastic, batteries and other recyclables



Strengthening organic waste management through composting and recovery practices



Introduction and development of **ECO-CORE Smart E-Waste Management Platform**



Strengthening cooperation with **Green Blue MMC** to improve recycling and promote circular economy principles



Organisation of seminars, campaigns, recycling initiatives and community engagement activities



FUTURE WASTE COMMITMENTS

2026–2027



Building a
Zero Waste Future
Together



**WASTE
SEGREGATION
SYSTEMS**

2026
60%

2027
80%



**PAPER
REDUCTION**

2026
30%

2027
40%



**PLASTIC
REDUCTION**

2026
40%

2027
50%



**AWARENESS
ACTIVITIES**

2026
20+

2027
25+



**COMMUNITY
PARTICIPATION**

2026
700+

2027
900+



**SUSTAINABILITY
IN EDUCATION**

2026
8
COURSES

2027
10
COURSES



**ZERO WASTE
& GREEN
CAMPUS**

Expand resource efficiency
and responsible consumption
across all operations.



**ORGANIC WASTE
& COMPOSTING**

Expand composting practices
to support biodiversity and
sustainable landscaping.



**E-WASTE
MANAGEMENT**

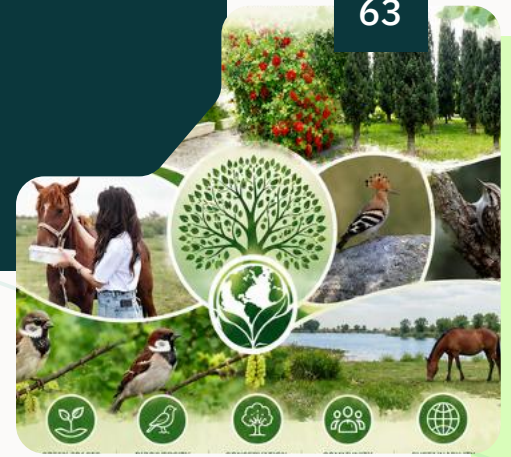
Further develop the ECO-CORE
Platform and digital monitoring
systems.



RESEARCH, INNOVATION & PARTNERSHIPS

Promote research, innovation and partnerships in recycling technologies,
life cycle assessment, sustainable materials and circular economy.





5.4. Green Campus and Biodiversity

5.4.1. Green Campus Development and Biodiversity Conservation

The preservation of biodiversity and the continuous development of a sustainable green campus environment remained important priorities of Mingachevir State University's environmental sustainability strategy throughout 2025. The University recognises that green spaces, biodiversity conservation, ecosystem restoration, and sustainable landscape management play a critical role in climate resilience, environmental protection, ecological balance, and community well-being.

Guided by the Green Campus Strategy, Environmental Policy, Sustainable Development Policy, Climate Change Mitigation Policy, and MSU 2030 Development Strategy, the University continued to strengthen its commitment to creating an environmentally responsible campus that integrates biodiversity conservation into education, research, campus operations, and community engagement activities.

Throughout the reporting period, numerous initiatives were implemented to enhance campus greenery, strengthen environmental awareness, support biodiversity conservation, and encourage active participation of students and staff in environmental stewardship activities. These efforts contributed to the development of a healthier, greener, and more resilient campus environment while supporting SDG 15 – Life on Land and SDG 13 – Climate Action.



5.4.2. Green Infrastructure and Sustainable Campus Environment

Throughout 2025, Mingachevir State University continued to strengthen the development of green infrastructure and promote a sustainable campus environment as a key component of its environmental sustainability strategy. Landscaping activities, maintenance of existing green areas, and the creation of environmentally friendly outdoor spaces were implemented to enhance the ecological quality, attractiveness, and resilience of the campus environment.

Green spaces across the campus, including trees, ornamental plants, lawns, and landscaped areas, play an important role in supporting environmental sustainability. These areas contribute to improving air quality, increasing carbon sequestration, reducing urban heat island effects, conserving biodiversity, and enhancing ecosystem services within the University environment. In addition, green infrastructure supports natural rainwater infiltration, helps prevent soil degradation, and contributes to the sustainable management of local environmental resources. The University's Green Campus Project continued to promote environmentally responsible campus development through the application of sustainable landscaping practices, ecological design principles, and improved environmental management systems. Particular attention was given to preserving natural habitats, protecting existing vegetation, enhancing the ecological value of open spaces, and ensuring that campus development activities remain aligned with environmental sustainability objectives.





5.4.3. Biodiversity Conservation and Ecological Research

Throughout 2025, Mingachevir State University continued to strengthen biodiversity conservation through scientific research, field studies, environmental monitoring activities, and ecological awareness programmes. Recognising the importance of healthy ecosystems for environmental sustainability, climate resilience, and human well-being, the University further integrated biodiversity-related activities into its educational, research, and community engagement initiatives.

Particular emphasis was placed on studying local ecosystems, protecting biodiversity, promoting sustainable land-use practices, and supporting ecosystem restoration efforts. Through various environmental projects and research activities, the University contributed to a better understanding of regional ecological challenges while encouraging the sustainable management of natural resources. Students actively participated in field-based learning activities, scientific expeditions, biodiversity observation programmes, and environmental monitoring exercises designed to enhance their understanding of ecosystem dynamics and environmental challenges. These practical learning experiences provided valuable opportunities to apply theoretical knowledge in real-world settings while strengthening environmental literacy, research skills, and sustainability competencies.

5.4.4. Soil Resource Protection and Ecosystem Management

Recognising the critical role of healthy soils in maintaining ecosystem stability, biodiversity conservation, food security, and climate resilience, Mingachevir State University continued to strengthen soil resource protection and sustainable land management activities throughout 2025. These efforts were implemented through a combination of academic programmes, specialised training courses, field-based learning activities, environmental monitoring exercises, and ecological awareness initiatives designed to promote responsible stewardship of terrestrial ecosystems.

During the reporting period, more than 180 students and academic staff participated in soil conservation and ecosystem management activities. The University organised 12 specialised training sessions and workshops focusing on soil monitoring techniques, prevention of land degradation, sustainable land-use practices, ecosystem restoration approaches, and biodiversity protection strategies. In addition, participants conducted over 20 field observations and environmental monitoring exercises in different ecological zones, enabling the collection and analysis of soil and ecosystem-related data.

Field-based learning remained a central component of these activities. Students participated in scientific expeditions, biodiversity surveys, and environmental assessment exercises that strengthened their practical understanding of soil health and ecosystem dynamics. More than 35 hectares of surrounding green and natural areas were observed and assessed as part of educational and research activities related to sustainable land management.



5.4.5. Environmental Education and Student Engagement

Environmental education remained a central pillar of Mingachevir State University's Green Campus initiative throughout 2025. The University placed particular emphasis on strengthening knowledge and awareness related to biodiversity conservation, ecosystem services, sustainable lifestyles, and environmental responsibility among students and staff.

During the reporting period, the University organised more than 25 environmental awareness campaigns, seminars, training sessions, and public lectures, engaging over 600 students and staff members. In addition, 8 environmental campaigns and 6 volunteer programmes were implemented to promote environmental stewardship, biodiversity conservation, and sustainable development. These initiatives significantly enhanced participants' understanding of ecological challenges, natural resource protection, and sustainability principles.

Students played an active role in environmental volunteering activities, tree-planting campaigns, biodiversity observation programmes, and sustainability projects both on campus and within the local community. More than 300 student volunteers participated in various environmental initiatives throughout the year, contributing to awareness-raising activities, ecological restoration efforts, and community engagement programmes. These experiences helped strengthen environmental leadership skills, teamwork, civic responsibility, and sustainability competencies among students.

The integration of biodiversity conservation, ecosystem protection, and sustainable land management topics into teaching and learning activities further reinforced the University's commitment to Education for Sustainable Development (ESD). During 2025, sustainability-related concepts were incorporated into more than 15 courses and academic modules, supported by field-based learning activities, practical projects, and environmental research initiatives.



GREEN CAMPUS & BIODIVERSITY HIGHLIGHTS 2025

MİNGƏÇEVİR
DÖVLƏT
UNİVERSİTETİ



Cultivating Nature.
Empowering People.
Sustaining the Future.



15+

Academic courses
integrating biodiversity,
ecosystem protection
& sustainable land
management



48,000+ m²

Green & landscaped
areas maintained
across campus



1,200+

Trees, shrubs &
ornamental plants
planted



600+

Students & staff in
biodiversity & sustainability
programmes



15+

Biodiversity & environmental
research through GEOLAB,
Research Institutes &
Sustainability Center



35+ ha

Natural & green areas
assessed & monitored
for ecosystem
management



15+

Biodiversity-focused
educational activities,
scientific expeditions &
research exercises



300+

Student volunteers in
environmental &
restoration activities



20+

Field observations,
monitoring exercises &
biodiversity surveys



12

Training sessions &
workshops on biodiversity
& sustainable practices

**A GREENER CAMPUS
A THRIVING BIODIVERSITY
A BETTER TOMORROW**



Further strengthening of the University's
contribution to a greener, more resilient
and biodiverse future through education,
research, community engagement and
sustainable campus management.



**One Student –
One Tree Story**

Engaging more than

400 students in

environmental stewardship
and building a lasting
green legacy.

FUTURE GREEN CAMPUS & BIODIVERSITY COMMITMENTS

2026–2027



Building a Greener,
Biodiverse and Resilient
Campus for Tomorrow

GREEN & LANDSCAPED
AREAS

18%
2026

22%
2027

TREES & SHRUBS
PLANTED

700+
2026

1,000+
2027

BENEFICIARIES REACHED
THROUGH EDUCATION &
OUTREACH

800+
2026

1,000+
2027

STRENGTHEN MONITORING,
RESTORATION & GREEN
INFRASTRUCTURE

OUR GOALS FOR
2026–2027

BIODIVERSITY &
SUSTAINABLE LAND
MANAGEMENT COURSES

7
2026

10
2027

BIODIVERSITY &
LAND-RELATED
RESEARCH PROJECTS

10
2026

14
2027

COMMUNITY ENGAGEMENT
PROGRAMMES

12
2026

15
2027

ENVIRONMENTAL
AWARENESS CAMPAIGNS

14
2026

18
2027



STRENGTHEN
PARTNERSHIPS
with organizations,
authorities &
communities



EXPAND STUDENT
PARTICIPATION
in volunteering &
conservation
initiatives



FURTHER DEVELOP
BIODIVERSITY-FRIENDLY
SOLUTIONS
& nature-based
adaptation



ENHANCE PERFORMANCE
in sustainability
rankings through
measurable impact





5.5. Climate Action

5.5.1. Climate Action and Institutional Climate Responsibility

Climate action remained one of the most important priorities of Mingachevir State University's sustainability agenda throughout 2025. Recognising climate change as one of the greatest global challenges affecting environmental sustainability, economic development, biodiversity conservation, water security, and human wellbeing, the University continued to strengthen its institutional response through a comprehensive approach integrating governance, education, research, innovation, campus operations, and community engagement.

The University's climate action framework is guided by the Climate Change Mitigation Policy, Net Zero Emissions Policy, Environmental Policy, Sustainable Development Policy, Energy Efficiency and Green Infrastructure Policy, and Waste Management and Recycling Policy. Together, these policies provide a coherent institutional framework supporting greenhouse gas emission reduction, energy efficiency, renewable energy adoption, sustainable resource management, and climate resilience.

Climate considerations are further embedded within the University's strategic planning processes through the MSU 2030 Development Strategy, which identifies climate responsibility, sustainable development, and environmental stewardship as fundamental institutional priorities. The strategy supports the development of a low-carbon and climate-resilient university model aligned with SDG 13 – Climate Action.



5.5.2. Environmental Education and Student Engagement

Environmental education remained a central pillar of Mingachevir State University's Green Campus initiative throughout 2025. The University placed particular emphasis on strengthening knowledge and awareness related to biodiversity conservation, ecosystem services, sustainable lifestyles, and environmental responsibility among students and staff.

During the reporting period, the University organised more than 25 environmental awareness campaigns, seminars, training sessions, and public lectures, engaging over 600 students and staff members. In addition, 8 environmental campaigns and 6 volunteer programmes were implemented to promote environmental stewardship, biodiversity conservation, and sustainable development. These initiatives significantly enhanced participants' understanding of ecological challenges, natural resource protection, and sustainability principles.

Students played an active role in environmental volunteering activities, tree-planting campaigns, biodiversity observation programmes, and sustainability projects both on campus and within the local community. More than 300 student volunteers participated in various environmental initiatives throughout the year, contributing to awareness-raising activities, ecological restoration efforts, and community engagement programmes. These experiences helped strengthen environmental leadership skills, teamwork, civic responsibility, and sustainability competencies among students.

The integration of biodiversity conservation, ecosystem protection, and sustainable land management topics into teaching and learning activities further reinforced the University's commitment to Education for Sustainable Development (ESD). During 2025, sustainability-related concepts were incorporated into more than 15 courses and academic modules, supported by field-based learning activities, practical projects, and environmental research initiatives.



5.5.3. Climate Education, Awareness and Student Engagement

Climate literacy remained a core component of Mingachevir State University's educational mission throughout 2025. The University continued to promote awareness and understanding of climate change, renewable energy, environmental sustainability, and climate responsibility through a wide range of educational, awareness-raising, and engagement activities designed to strengthen climate knowledge and sustainable behaviours among students and staff.

During the reporting period, more than 15 climate-related seminars, awareness campaigns, workshops, sustainability events, and public lectures were organised, engaging over 550 students and staff members. These activities addressed key topics including climate change mitigation and adaptation, renewable energy development, carbon emission reduction, biodiversity conservation, environmental protection, climate resilience, and sustainable development. Through these initiatives, participants gained a deeper understanding of climate-related challenges and the actions required to support a more sustainable future.

One of the most significant achievements of the year was the organisation of “Climate Week: Addressing Climate Change for a Sustainable Future.” The event provided an important institutional platform for discussing climate risks, adaptation strategies, renewable energy opportunities, green innovation, and pathways towards a low-carbon future. The programme brought together students, academics, experts, and stakeholders to exchange knowledge and promote collaborative approaches to climate action.





5.5.4. Research, Innovation and Climate Solutions

Research and innovation continued to serve as important drivers of climate action at Mingachevir State University throughout 2025. The University placed particular emphasis on advancing scientific research and innovative solutions aimed at mitigating the impacts of climate change, accelerating the energy transition, and supporting sustainable development. The Research Institute of Sustainable Energy and Regional Development led 14 research projects and scientific initiatives focusing on renewable energy technologies, energy efficiency, climate resilience, sustainable infrastructure, carbon emission reduction, and regional climate challenges. In addition, more than 20 scientific articles, conference papers, and research outputs related to climate change and sustainability were produced and disseminated through various academic and professional platforms.

Climate-related research activities involved more than 70 academic staff members, researchers, and graduate students, reflecting the University's growing commitment to interdisciplinary collaboration. Research increasingly focused on practical and evidence-based solutions supporting sustainable energy systems, environmental protection, circular economy models, efficient resource management, and climate adaptation strategies. These activities contributed to strengthening institutional research capacity while generating knowledge that supports both regional and global climate action efforts.

Innovation activities encouraged students to develop technological and entrepreneurial solutions addressing real-world climate challenges. Through hackathons, innovation exhibitions, sustainability competitions, and student-led research projects, more than 20 innovative climate-related projects and ideas were developed and presented, while over 300 students participated in climate and sustainability-oriented innovation activities. These initiatives enhanced creativity, innovation capacity, and problem-solving skills while fostering a new generation of environmentally responsible leaders capable of contributing to green transformation and long-term climate resilience.

CLIMATE ACTION PERFORMANCE 2025



DRIVING MEASURABLE
CLIMATE ACTIONS TODAY
FOR A SUSTAINABLE
TOMORROW.



INDICATOR	RESULT 2025
 CLIMATE-RELATED ACTIVITIES AND EVENTS	15+
 STUDENTS AND STAFF ENGAGED	550+
 SUSTAINABILITY POLICIES SUPPORTING CLIMATE ACTION	22
 RENEWABLE ENERGY CONTRIBUTION	6%
 REDUCTION IN ELECTRICITY CONSUMPTION	17%
 LED LIGHTING COVERAGE	60%
 CAMPUS GREEN AREAS MAINTAINED	48,000 m ²
 WATER REUSE RATE	55–60%
 CLIMATE-RELATED RESEARCH INITIATIVES	20+

SDG CONTRIBUTION

13 CLIMATE ACTION



7 AFFORDABLE AND CLEAN ENERGY



6 CLEAN WATER AND SANITATION



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



15 LIFE ON LAND



ACT TODAY.
PROTECT TOMORROW.
TOGETHER FOR A RESILIENT FUTURE.

FUTURE CLIMATE COMMITMENTS

2026-2027

Building a low-carbon, resilient and sustainable campus for a better tomorrow.



SUPPORTING THE SUSTAINABLE DEVELOPMENT GOALS

13 CLIMATE ACTION



7 AFFORDABLE AND CLEAN ENERGY



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



15 LIFE ON LAND





Social sustainability remained a fundamental pillar of Mingachevir State University's institutional development throughout 2025. The University recognises that sustainable development can only be achieved through the creation of an inclusive, equitable, healthy, and supportive environment that enables all members of the university community to realise their full potential. Guided by its Sustainable Development Policy, Equality, Diversity and Inclusion Policy, Disability Policy, Health, Well-being and Safety Policy, and other institutional frameworks, the University continued to strengthen its commitment to social responsibility, human development, and community engagement.

Throughout the reporting period, particular attention was devoted to enhancing student well-being, promoting equal opportunities, strengthening inclusive education, supporting vulnerable groups, and fostering a culture of participation and social cohesion. The University continued to expand support services for students and staff, improve accessibility, encourage diversity and inclusion, and create opportunities for personal, academic, and professional development. These efforts contributed to the development of a more student-centred and socially responsible institutional environment aligned with international sustainability principles and the United Nations Sustainable Development Goals.

Beyond its campus boundaries, Mingachevir State University continued to strengthen its contribution to society through community engagement initiatives, volunteer activities, awareness campaigns, social projects, and partnerships with public institutions, civil society organisations, and local communities. By integrating social sustainability into governance, education, research, and outreach activities, the University seeks to generate positive social impact, promote active citizenship, and contribute to building a more inclusive, resilient, and sustainable society.





6.1. Student Support

6.1.1. Student Support and Well-being

Supporting student success, well-being, and personal development remained one of the central priorities of Mingachevir State University's social sustainability agenda throughout 2025. The University recognises that high-quality education extends beyond academic achievement and requires the creation of a supportive environment where students can thrive academically, socially, emotionally, and professionally. Student support services were delivered through dedicated institutional structures, including the Inclusive Education Center, the Psychological Health and Sustainable Well-being Center, the Support and Development Center for Veterans and Families of Martyrs, the Student Scientific Society, the Student Trade Union Committee, and the Student Youth Organization. During the reporting period, more than 40 student support, well-being, and personal development activities were organised, engaging over 2,000 students, while 15+ psychological health and awareness programmes provided counselling, mentoring, career guidance, and social support services.

The University also continued to strengthen a safe, accessible, and inclusive learning environment by promoting equal opportunities, enhancing student participation, and supporting vulnerable and disadvantaged groups, including students with disabilities, children of martyrs, and families of war veterans. Throughout 2025, more than 300 students participated in leadership, volunteering, and personal development programmes, contributing to social initiatives and community engagement activities. These efforts enhanced student well-being, strengthened social cohesion, increased student engagement, and further reinforced the University's commitment to creating a student-centred, inclusive, and socially responsible campus community.



Student Support
and Well-being



Psychological Health
and Awareness



Inclusive and
Accessible Support



Leadership and
Personal Development



Community Engagement
and Volunteering



Building a Stronger,
Supportive Campus

6.1.2. Scholarships and Financial Support

Supporting student success, well-being, and personal development remained one of the central priorities of Mingachevir State University's social sustainability agenda throughout 2025. The University recognises that high-quality education extends beyond academic achievement and requires the creation of a supportive environment where students can thrive academically, socially, emotionally, and professionally. Student support services were delivered through dedicated institutional structures, including the Inclusive Education Center, the Psychological Health and Sustainable Well-being Center, the Support and Development Center for Veterans and Families of Martyrs, the Student Scientific Society, the Student Trade Union Committee, and the Student Youth Organization. During the reporting period, more than 40 student support, well-being, and personal development activities were organised, engaging over 2,000 students, while 15+ psychological health and awareness programmes provided counselling, mentoring, career guidance, and social support services.

The University also continued to strengthen a safe, accessible, and inclusive learning environment by promoting equal opportunities, enhancing student participation, and supporting vulnerable and disadvantaged groups, including students with disabilities, children of martyrs, and families of war veterans. Throughout 2025, more than 300 students participated in leadership, volunteering, and personal development programmes, contributing to social initiatives and community engagement activities. These efforts enhanced student well-being, strengthened social cohesion, increased student engagement, and further reinforced the University's commitment to creating a student-centred, inclusive, and socially responsible campus community.



2,400+

students benefited from state-funded education and scholarship programmes



350+

students received merit-based scholarships and academic achievement awards



500+

students from vulnerable groups received financial, social and academic support



15

information sessions and advisory meetings on scholarships and support schemes



Promoting inclusion, reducing financial barriers and supporting equal access to higher education



6.1.3. Social Support and Inclusive Student Services

Creating an inclusive and supportive campus environment remained an important institutional objective throughout 2025. The University continued to strengthen social support services through cultural, educational, volunteering, and community engagement activities designed to enhance students' sense of belonging, social integration, and active participation in university life. These initiatives contributed to improving student well-being, strengthening social cohesion, and fostering a culture of inclusion and mutual support across the campus community.

The Student Scientific Society, Student Trade Union Committee, and Student Youth Organization played an active role in promoting student engagement, leadership development, civic participation, and social responsibility. During the reporting period, these student organisations coordinated more than 50 social, cultural, scientific, and volunteer activities, engaging over 2,500 students. Through these programmes, students were encouraged to develop leadership skills, participate in community service initiatives, and contribute actively to the social and cultural life of the University.

The Inclusive Education Center continued to support students with disabilities and special educational needs through initiatives aimed at improving accessibility and promoting inclusive learning environments. The University implemented measures to expand access to digital learning resources, enhance educational accessibility, and strengthen the implementation of equality, diversity, and inclusion principles across campus. During 2025, more than 100 students benefited from inclusive support and advisory services. These efforts contributed to fostering a campus culture based on respect, inclusion, equal opportunity, and active participation while strengthening the University's commitment to social sustainability and inclusive education.

6.1.4. Student Engagement and Personal Development

Supporting student success, well-being, and personal development remained one of the central priorities of Mingachevir State University's social sustainability agenda throughout 2025. The University recognises that high-quality education extends beyond academic achievement and requires the creation of a supportive environment where students can thrive academically, socially, emotionally, and professionally. Student support services were delivered through dedicated institutional structures, including the Inclusive Education Center, the Psychological Health and Sustainable Well-being Center, the Support and Development Center for Veterans and Families of Martyrs, the Student Scientific Society, the Student Trade Union Committee, and the Student Youth Organization. During the reporting period, more than 40 student support, well-being, and personal development activities were organised, engaging over 2,000 students, while 15+ psychological health and awareness programmes provided counselling, mentoring, career guidance, and social support services.

The University also continued to strengthen a safe, accessible, and inclusive learning environment by promoting equal opportunities, enhancing student participation, and supporting vulnerable and disadvantaged groups, including students with disabilities, children of martyrs, and families of war veterans. Throughout 2025, more than 300 students participated in leadership, volunteering, and personal development programmes, contributing to social initiatives and community engagement activities. These efforts enhanced student well-being, strengthened social cohesion, increased student engagement, and further reinforced the University's commitment to creating a student-centred, inclusive, and socially responsible campus community.





6.2. Equality, Diversity and Inclusion

6.2.1. Gender Equality and Women's Empowerment

Promoting gender equality and empowering women remained a strategic institutional priority throughout 2025. The University continued to strengthen women's participation in higher education, research, innovation, leadership, and decision-making processes while ensuring equal opportunities for all members of the university community.

The University's gender equality monitoring system demonstrated continued progress in achieving balanced participation across academic programmes. Female students represented 54% of the total student population in 2025, compared with 50% in 2024, reflecting positive progress towards greater gender balance in higher education. Significant improvement was also recorded in STEM-related disciplines, where female enrolment increased from 25% in 2024 to 38% in 2025, highlighting the University's efforts to encourage greater participation of women in science, technology, engineering, and mathematics.

Women continued to play an important role within the University's academic workforce, accounting for 43% of academic staff in 2025, compared with 40% in 2024. Progress was also observed in leadership and decision-making structures, with women representing 69% of mid-level management positions, demonstrating the University's commitment to supporting female leadership and professional advancement.

To further strengthen women's empowerment, the University implemented leadership and mentorship programmes, entrepreneurship initiatives, innovation activities, and awareness campaigns designed to enhance women's participation in academic and professional life. Special initiatives such as the Women's Leadership and Entrepreneurship Hackathon and the Gender-Based Social Problem Solving Hackathon encouraged students to develop innovative solutions addressing gender equality challenges while strengthening leadership and problem-solving skills.



6.2.2. Inclusive Education and Equal Access to Learning

Inclusive Education and Equal Access to Learning

Inclusive education remained one of the University's most important social sustainability priorities throughout the reporting period. Mingachevir State University recognises that quality education must be accessible to all learners and therefore continued to strengthen policies and practices aimed at creating an inclusive learning environment.

The Inclusive Education Center played a central role in supporting educational accessibility and promoting equal opportunities for students with diverse learning needs. Through the expansion of digital learning resources, online educational materials, and alternative teaching tools, the University continued to improve access to education and reduce barriers to participation.

The University's commitment to inclusion generated measurable results during 2025. Approximately 25% of students benefited from financial and social support mechanisms, reflecting ongoing efforts to improve access to education for vulnerable and disadvantaged groups. These support mechanisms contributed to reducing educational inequalities and strengthening social mobility through higher education.

Educational programmes and awareness activities addressing diversity, inclusion, accessibility, equal opportunity, and human rights continued to strengthen understanding of inclusive values among students and staff. The University also encouraged the integration of inclusive teaching approaches and student-centred learning methods across academic programmes.



EQUALITY, DIVERSITY AND INCLUSION PERFORMANCE DASHBOARD 2025



Promoting equality. Embracing diversity.
Building an **inclusive** future together.



INDICATOR	2025 RESULT
Female student participation rate	54%
Female enrolment in STEM programmes	38%
Female academic staff	43%
Women in mid-level management positions	69%
Gender awareness events	12
Participants engaged in gender initiatives	600+
Students receiving financial and social support	25%
Equality and inclusion awareness campaigns	10+
Students and staff involved in inclusion activities	600+
Community-based inclusion projects	8+
Beneficiaries from vulnerable groups supported	500+
Gender Equality Policy	Implemented
Inclusive and Anti-Discrimination Policies	Implemented
Women's Leadership and Mentorship Programmes	Implemented

OUR COMMITMENT



GENDER EQUALITY

Empowering women and girls



DIVERSITY

Valuing different backgrounds, perspectives and experiences



INCLUSION

Creating a safe, respectful and welcoming environment for all



EQUITY

Ensuring fair opportunities and removing barriers



1,100+

TOTAL PARTICIPANTS ENGAGED IN GENDER AND INCLUSION INITIATIVES

TOGETHER FOR AN INCLUSIVE TOMORROW



EDUCATE

Promoting awareness and understanding



EMPOWER

Supporting women and all voices



INCLUDE

Building a culture of belonging



IMPACT

Creating positive change in our community



ADVANCE

Driving equality and sustainable development



DIVERSE MINDS. EQUAL RIGHTS. INCLUSIVE FUTURE.

Stronger Together.

6.3. Health, Safety and Well-being



Health, safety, and well-being remained key priorities within Mingachevir State University's social sustainability strategy throughout 2025. The University recognises that academic success and personal development are closely linked to physical health, mental well-being, healthy lifestyles, and a safe learning environment. Guided by its Health, Well-being and Safety Policy, the University continued to implement preventive healthcare initiatives, health education programmes, psychological support services, and sports activities aimed at improving the overall quality of life of students and staff.

During the reporting period, more than 30 health, safety, and well-being events, seminars, training sessions, and awareness campaigns were organised, engaging over 1,500 students and staff members. These activities addressed topics such as healthy lifestyles, nutrition, physical activity, stress management, mental health, and the prevention of harmful habits. In addition, the Psychological Health and Sustainable Well-being Center implemented more than 15 psychological support and awareness programmes, providing counselling services and emotional support to students while promoting resilience, motivation, and overall well-being.

The University also continued to strengthen a safe, healthy, and inclusive campus environment through awareness-raising activities, safety preparedness measures, and the continuous improvement of health and safety standards. These efforts contributed to enhancing the physical and mental well-being of students and staff, improving quality of life, and reinforcing the University's contribution to SDG 3 – Good Health and Well-being.



6.3.1. Health Services and Preventive Healthcare

The University continued to strengthen preventive healthcare initiatives throughout 2025, recognising the importance of early diagnosis, health awareness, and healthy lifestyles in supporting student well-being and academic success. In cooperation with healthcare institutions and medical professionals, various preventive health programmes were implemented to improve access to healthcare services and promote proactive health management among students.

During the reporting period, more than 450 students participated in health screening and preventive healthcare programmes, while four health screening campaigns were organised on campus. These initiatives focused on the early identification of potential health risks, the promotion of healthy lifestyle choices, and increased awareness of preventive healthcare practices. Students also received professional guidance on nutrition, physical activity, and disease prevention as part of the programme.

As part of the screening activities, key health indicators, including Body Mass Index (BMI), blood pressure, blood glucose levels, oxygen saturation, and heart rate, were regularly monitored. These efforts contributed to improving health literacy, strengthening cooperation between the University and healthcare providers, expanding access to preventive healthcare services, and fostering a healthier campus environment. The initiatives further reinforced the University's commitment to SDG 3 – Good Health and Well-being.





6.3.2. Mental Health and Psychological Well-being

Promoting psychological health remained one of Mingachevir State University's highest priorities throughout 2025. The Psychological Health and Sustainable Well-being Center continued to provide counselling services, awareness programmes, peer-support activities, and well-being initiatives designed to help students manage stress, anxiety, academic pressure, and adaptation challenges. Through a student-centred approach, the University sought to strengthen emotional resilience, promote positive mental health, and create a supportive campus environment that prioritises student well-being.

During the reporting period, more than 350 students received psychological counselling, guidance, and support services, while 12 mental health awareness seminars, workshops, and training sessions were organised, engaging over 700 students and staff members. These activities focused on topics such as stress management, emotional well-being, motivation, effective communication, self-confidence, mental health literacy, and healthy coping strategies. Particular attention was devoted to supporting first-year students and helping them successfully adapt to university life.

Support services included individual and group counselling, awareness sessions, peer-support initiatives, and stress management programmes aimed at improving students' emotional well-being and academic performance. These efforts contributed to reducing stress-related academic challenges, strengthening student resilience, increasing awareness of mental health issues, and enhancing institutional support mechanisms for psychological well-being.

6.3.3. Health Education and Well-being Awareness

Health education remained an important pillar of Mingachevir State University's well-being strategy throughout 2025. The University continued to promote healthy lifestyles, increase health literacy, and strengthen awareness of preventive healthcare practices through a wide range of educational and awareness-raising activities. These initiatives contributed to fostering a culture of health and well-being across the university community.

During the reporting period, 15 health education and awareness activities were organised, engaging more than 700 students and staff members. The programmes addressed topics such as nutrition, physical activity, disease prevention, healthy lifestyles, stress management, mental health awareness, and overall well-being. Through seminars, workshops, and awareness campaigns, participants gained valuable knowledge and practical skills to support healthier behavioural choices and improve their quality of life.

The University also strengthened the integration of health and well-being concepts into academic programmes. During 2025, eight academic courses incorporated health-related topics, helping students develop a deeper understanding of health promotion, disease prevention, and personal well-being management. These initiatives contributed to increasing health literacy, encouraging healthier lifestyles, and supporting long-term positive health outcomes among students while reinforcing the University's commitment to SDG 3 – Good Health and Well-being.



6.3.4. Sports and Physical Activity

Sports and physical activity played an important role in promoting healthy lifestyles, physical fitness, and student well-being at Mingachevir State University throughout 2025. The University views sport not only as a means of maintaining physical health but also as an effective tool for developing leadership, teamwork, discipline, communication skills, and social engagement. To support these objectives, a wide range of sports and recreational opportunities were provided, encouraging students to adopt active and healthy lifestyles while strengthening their connection to university life.

During the reporting period, more than 500 students participated in sports and physical activity programmes. The University organised over 20 sports competitions, tournaments, and wellness events across a variety of disciplines, including football, volleyball, basketball, athletics, chess, table tennis, and other recreational activities. These events provided opportunities for students to improve their physical fitness, develop competitive and teamwork skills, and engage in healthy and constructive social interaction. Participation in local and regional sporting events was also encouraged, helping students gain broader experience and represent the University in different competitions.

Sports activities became an integral part of campus life, contributing to stronger social cohesion, improved mental well-being, and a greater sense of community among students. By encouraging regular physical activity and active participation in sports, the University helped students manage stress, improve overall health, and maintain a balanced lifestyle alongside their academic responsibilities.



500+
Students
Participated



20+
Competitions
& Tournaments



Football, Volleyball,
Basketball, Athletics,
Chess, Table Tennis
& More



Better Health
Stronger Comm
Active Lifestyle

HEALTH AND WELL-BEING

PERFORMANCE DASHBOARD 2025



INDICATOR	2025 RESULT
 Students receiving health screening and counselling services	600
 Students accessing psychological support services	350+
 Health education and awareness events	15
 Mental health awareness seminars	12
 Students participating in sports and physical activities	500
 Students and staff participating in health promotion activities	700+
 Academic courses including health-related topics	8
 Health screening campaigns organised	4
 Key health indicators monitored	5
 Students reporting improved health and well-being	55%

OUR COMMITMENT

Supporting a healthy campus for a happier and stronger community.



PHYSICAL HEALTH

Promoting active and healthy lifestyles



MENTAL WELL-BEING

Supporting mental health and emotional resilience



PREVENTION & CARE

Early detection, screening and health services



COMMUNITY & ENGAGEMENT

Building a supportive and healthy university community



OUR PILLARS OF WELL-BEING



NUTRITION
Encouraging balanced and healthy eating



PHYSICAL ACTIVITY
Promoting regular exercise and fitness



MENTAL HEALTH
Building awareness and providing support



COMMUNITY
Creating connections and a sense of belonging



SAFETY
Ensuring a safe and healthy environment



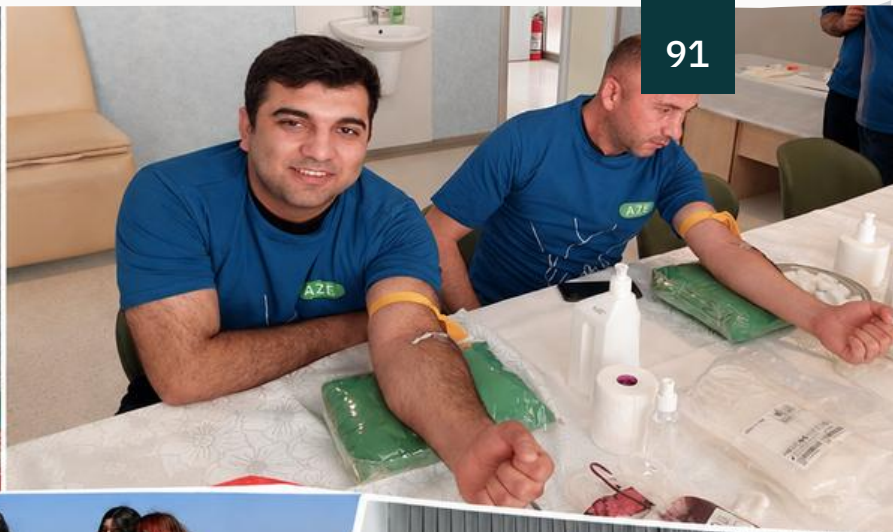
6.4. Community Engagement

6.4.1. Community Outreach and Social Projects

Community engagement remained one of the key pillars of Mingachevir State University's social sustainability agenda throughout 2025. The University continued to strengthen its role as an active contributor to regional development by implementing a wide range of social responsibility initiatives, awareness campaigns, educational outreach activities, and community support programmes. These initiatives were designed to address local social challenges, promote civic participation, strengthen social inclusion, and create positive impacts beyond the campus environment.

During the reporting period, the University implemented more than 8 community-based social projects and organised 10+ awareness campaigns and public engagement activities, involving over 600 students and staff members. Activities focused on social inclusion, equal opportunities, legal literacy, civic responsibility, environmental awareness, health promotion, support for vulnerable groups, and sustainable development. Through these programmes, the University directly contributed to improving community well-being while strengthening partnerships with public institutions, municipalities, schools, NGOs, and local stakeholders. More than 500 beneficiaries from vulnerable and disadvantaged groups received support through various social and educational initiatives.





6.4.2. Volunteerism and Civic Participation

Student volunteerism continued to serve as an important mechanism for strengthening social responsibility, civic engagement, and active citizenship at Mingachevir State University throughout 2025. Through the Student Youth Organization, Student Trade Union Committee, Student Scientific Society, Inclusive Education Center, and other university structures, students were encouraged to actively participate in community service initiatives, volunteer programmes, and social development activities. The University views volunteerism as an important platform for personal development and community engagement, helping students become responsible and socially conscious citizens.

During the reporting period, more than 500 student volunteers participated in a wide range of social projects, charity campaigns, awareness-raising activities, educational support programmes, and community service initiatives. Volunteer engagement was particularly visible in environmental campaigns, inclusion activities, health awareness programmes, social support initiatives, and community development projects. Through these activities, students contributed directly to addressing community needs while gaining valuable practical experience and strengthening their sense of social responsibility.

In addition, students actively participated in seminars, training programmes, debates, roundtable discussions, and civic engagement events. Throughout 2025, more than 30 volunteer and civic participation activities were organised, providing opportunities for students to develop leadership, teamwork, communication, initiative, and problem-solving skills. These activities contributed to fostering a culture of public service, ethical values, and active citizenship while reinforcing the University's commitment to social sustainability, youth development, and community engagement.

6.4.3. Regional Development and Stakeholder Collaboration

Mingachevir State University continued to play an active role in supporting regional development through strong collaboration with government institutions, municipalities, educational organisations, industry partners, civil society organisations, and local communities throughout 2025. These partnerships created opportunities for joint initiatives addressing social inclusion, education, youth development, environmental sustainability, governance, innovation, and community resilience. By strengthening cooperation with regional stakeholders, the University contributed to addressing local challenges while promoting sustainable development and social progress.

During the reporting period, the University implemented more than 35 stakeholder engagement activities, including public discussions, conferences, seminars, workshops, consultation meetings, and collaborative projects involving over 1,000 participants from various sectors. These initiatives focused on increasing legal awareness, promoting social justice, strengthening institutional transparency, supporting youth empowerment, and encouraging active citizen participation in community development processes. Through these activities, the University fostered dialogue and knowledge exchange among academia, government, industry, and society.

Research, outreach, and capacity-building activities addressing governance, public administration, sustainable development, environmental sustainability, and social innovation further strengthened the University's contribution to regional development.



COMMUNITY ENGAGEMENT

PERFORMANCE DASHBOARD

2025



Stronger Together. Greater Impact.
Building a **Better Community**.

INDICATOR	2025 RESULT
 Community-based social projects implemented	8+
 Equality and inclusion awareness campaigns	10+
 Students and staff involved in community activities	600+
 Beneficiaries from vulnerable groups supported	500+
 Volunteer and civic engagement initiatives	15+
 Stakeholder collaboration and partnership activities	Expanded
 Public awareness, outreach and engagement events	20+



ENGAGING TODAY, EMPOWERING TOMORROW



ENGAGE

Working together for a stronger community



EMPOWER

Supporting people and creating opportunities



COLLABORATE

Building partnerships for sustainable development



IMPACT

Creating positive and lasting change in society



OUR IMPACT

Building inclusive, resilient and sustainable communities through meaningful engagement.



Stronger
Communities



Inclusive
Society



Active
Partnerships



Sustainable
Future

7.1 Curriculum Integration



7.1.1. SDG-related Courses and Curriculum Modernisation

The integration of Sustainable Development Goals into academic programmes continued to expand throughout 2025. Mingachevir State University adopted a systematic approach to curriculum development, ensuring that sustainability-related knowledge, skills, and values are embedded across undergraduate and postgraduate programmes. Academic programmes increasingly addressed themes such as environmental sustainability, climate change, renewable energy, digital transformation, social inclusion, innovation, entrepreneurship, ethical leadership, community development, and responsible resource management.

During the reporting period, 12 academic programmes were reviewed and updated in accordance with international academic standards, labour market requirements, competency-based education principles, and sustainable development priorities. The curriculum revision process focused on strengthening interdisciplinary learning, practical application of knowledge, project-based learning, and the development of future-oriented competencies required for sustainable development.

The University continued to promote student-centred learning methodologies through the integration of:

- Competency-Based Education (CBE);
- Project-Based Learning (PBL);
- Problem-Based Learning;
- Case Study Approaches;
- Experiential Learning;
- Research-Based Learning;
- Collaborative Learning Models.

These approaches enable students to analyse real-world sustainability challenges, develop innovative solutions, and apply theoretical knowledge within practical contexts.



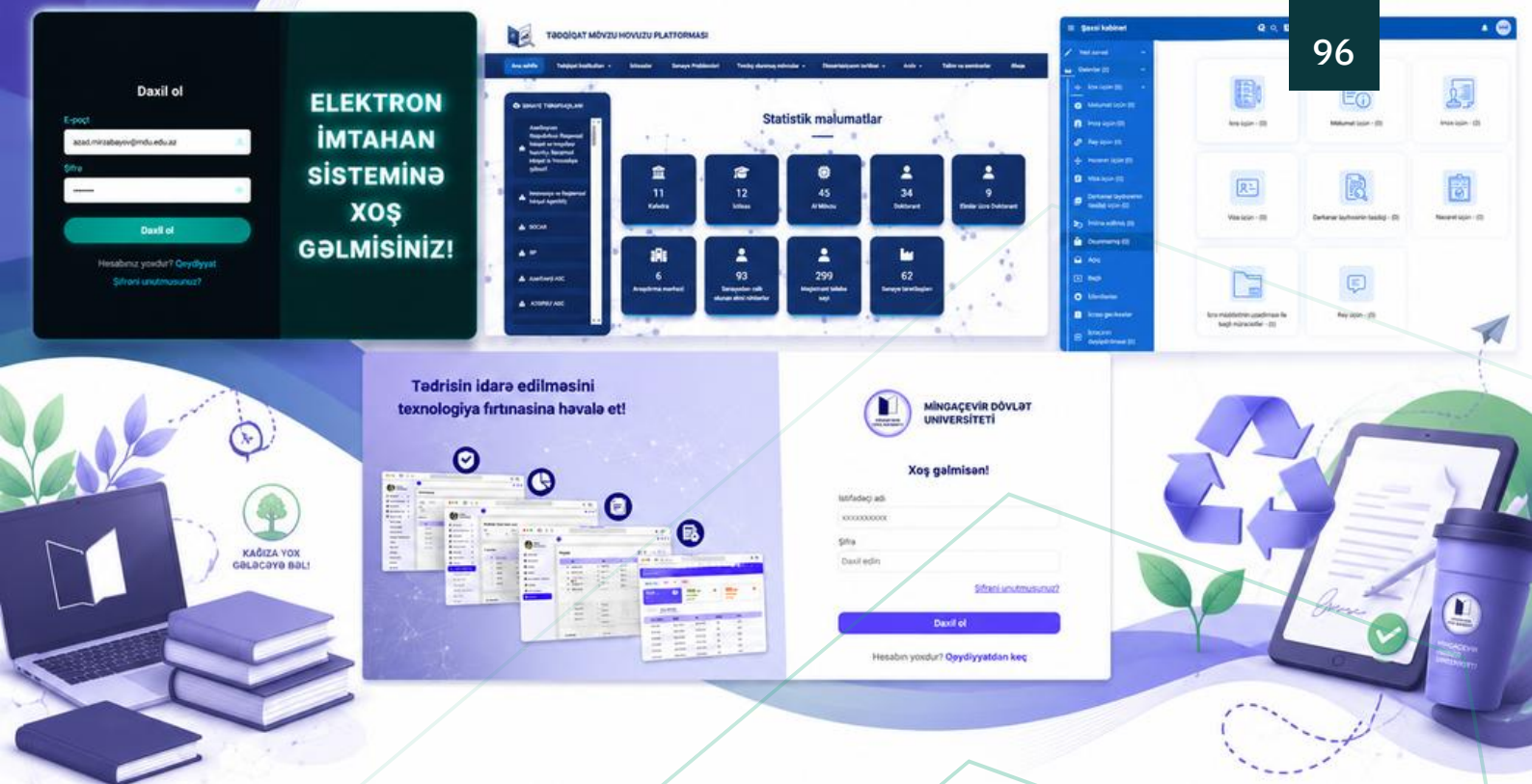
7.1.2. Sustainability Topics Integrated into Teaching and Learning

Sustainability principles are not limited to individual courses but are systematically integrated across the broader educational experience at Mingachevir State University. Academic programmes increasingly incorporate themes related to global sustainability challenges and responsible development, ensuring that students develop the knowledge, skills, and values necessary to contribute to a more sustainable future. Key topics integrated into teaching and learning include:

- Sustainable Development Goals (SDGs);
- Climate Change and Environmental Protection;
- Renewable Energy and Energy Efficiency;
- Circular Economy and Waste Management;
- Social Responsibility and Community Engagement;
- Equality, Diversity and Inclusion;
- Digital Transformation and Artificial Intelligence;
- Innovation and Entrepreneurship;
- Ethical Leadership and Governance.

These themes are embedded across undergraduate and postgraduate programmes, enabling students to develop interdisciplinary perspectives on sustainability challenges. During the reporting period, more than 15 academic courses and learning modules incorporated sustainability-related content, while sustainability competencies were further strengthened across 12 revised academic programmes. This approach helped ensure that sustainability considerations became an integral part of students' academic experience rather than being confined to individual subjects.

The University's curriculum framework also places strong emphasis on the development of 21st-century competencies, including critical thinking, analytical reasoning, problem-solving, communication, teamwork, adaptability, leadership, digital literacy, and civic responsibility.



7.1.3. Digital Learning and Educational Innovation

Digital transformation continued to play a major role in improving educational quality, accessibility, and learning effectiveness at Mingachevir State University throughout 2025. The University further expanded the use of digital teaching tools, smart learning technologies, and innovative educational approaches to create a more flexible, inclusive, and student-centred learning environment. These efforts supported the modernisation of teaching and learning processes while strengthening students' digital competencies and readiness for the rapidly evolving digital economy.

During the reporting period, 90% of academic courses were supported through digital learning platforms, while more than 5,500 students actively utilised e-learning systems and online educational resources. In addition, 10 digital learning platforms and educational technologies were actively used across the University to support teaching, assessment, communication, and academic collaboration. The continued expansion of hybrid and blended learning models further enhanced flexibility, accessibility, and student engagement in the learning process.

The implementation of Learning Management Systems (LMS), digital libraries, online assessment systems, cloud-based learning technologies, interactive educational resources, virtual learning environments, and digital collaboration tools significantly improved access to educational content and academic services. These innovations enabled students and academic staff to engage more effectively with teaching and learning activities while fostering digital literacy, technological adaptability, and lifelong learning skills. Through these initiatives, the University continued to strengthen its commitment to educational innovation, digital transformation, and the development of future-ready graduates.

7.1.4. Academic Staff Development and Teaching Excellence

Enhancing teaching quality and promoting academic excellence remained strategic priorities for Mingachevir State University throughout 2025. Recognising that high-quality teaching is fundamental to student success and institutional performance, the University continued to invest in the professional development of academic staff and the adoption of innovative teaching practices. These efforts supported the continuous improvement of teaching and learning processes while strengthening the University's capacity to deliver high-quality, student-centred education.

During the reporting period, 215 academic staff members participated in professional development programmes, while 32 training sessions, workshops, seminars, and capacity-building activities were organised to strengthen pedagogical and professional competencies. In total, more than 200 lecturers engaged in various professional development initiatives focusing on innovative teaching methodologies, digital pedagogy, curriculum design, student-centred learning approaches, assessment practices, sustainability education, and international academic cooperation. These activities provided opportunities for academic staff to exchange experiences, enhance their teaching skills, and adopt modern educational approaches.

The University further strengthened its Teaching Excellence initiatives to promote innovation, continuous improvement, and educational quality enhancement. As a result, academic staff expanded their use of modern teaching methods, digital technologies, and interactive learning approaches, contributing to improved teaching effectiveness and student engagement.



CURRICULUM INTEGRATION PERFORMANCE DASHBOARD (2025)



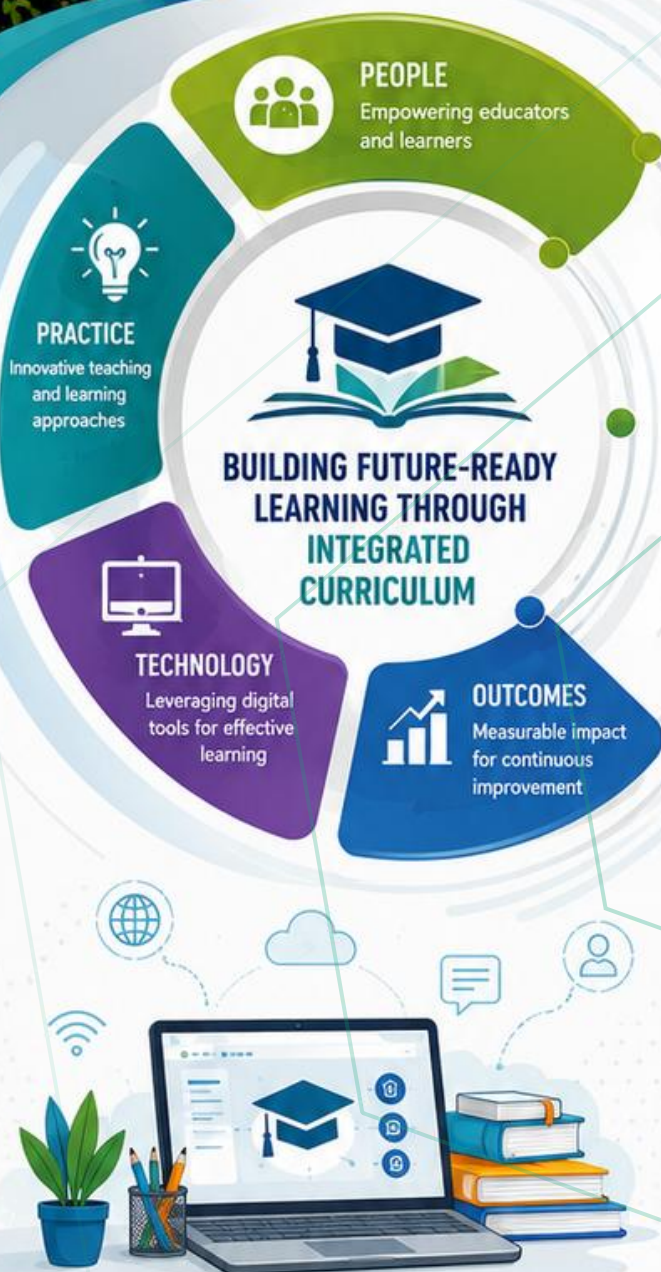
Integrate.



Innovate.



Inspire.



INDICATOR	2025 RESULT
Academic programmes revised and updated	12
Academic staff participating in professional development	215
Training sessions organised for academic staff	32
Lecturers participating in professional development activities	200+
Digital learning platforms and tools in use	10
Courses supported by digital learning platforms	90%
Students actively using e-learning systems	5,500+
Student retention rate	96%
Inclusive classroom practices	Expanded
Competency-based curriculum approach	Implemented

OUR COMMITMENT

Integrating curriculum, empowering educators, engaging learners and creating impact.

**INTEGRATE**

Aligning curriculum with future needs

**INNOVATE**

Adopting modern pedagogies and technologies

**ENGAGE**

Involving learners in meaningful learning

**ENHANCE**

Improving quality through evidence and feedback

**IMPACT**

Driving excellence and sustainable outcomes

Education for Sustainable Development

7.2 Student Activities



7.2.1. Sustainability Seminars and Training Programmes

Student engagement remained a key driver of Education for Sustainable Development (ESD) at Mingachevir State University throughout 2025. The University actively promoted sustainability awareness and lifelong learning through a diverse range of seminars, workshops, training programmes, conferences, awareness campaigns, and educational initiatives. These activities provided students with opportunities to deepen their understanding of sustainable development challenges while strengthening their ability to contribute to social, environmental, and economic sustainability.

During the reporting period, more than 35 sustainability-related seminars, workshops, and training programmes were organised, engaging over 1,200 students and staff members. The activities addressed a wide range of topics, including sustainability, innovation, leadership, climate action, digital transformation, entrepreneurship, social responsibility, environmental protection, and inclusive development. Through active participation in these initiatives, students gained practical knowledge, developed critical thinking skills, and explored innovative approaches to addressing real-world sustainability challenges.

Particular emphasis was placed on strengthening climate literacy, environmental awareness, sustainable consumption behaviours, digital competencies, innovation and entrepreneurship skills, leadership development, and civic engagement capacities. These programmes complemented formal academic learning by providing experiential learning opportunities that encouraged students to apply sustainability concepts in practical contexts. As a result, students enhanced their readiness to become responsible professionals, active citizens, and future leaders capable of contributing to sustainable development at local, national, and global levels.



7.2.2. Hackathons, Innovation Competitions and Student Projects

Mingachevir State University continued to promote experiential and challenge-based learning throughout 2025 through hackathons, innovation competitions, and project-based activities. The University actively supported the development of an innovation and entrepreneurship ecosystem, providing students with opportunities to address real-world challenges, generate creative ideas, and develop practical solutions through collaborative learning and innovation-driven initiatives.

During the reporting period, more than 20 innovation and project-based activities were organised, engaging over 300 students. Students actively participated in SDG-focused innovation challenges, Digital Skills Hackathons, Sustainability Hackathons, Climate Action Competitions, Entrepreneurship Programmes, and Research and Innovation Projects. These activities enabled students to apply theoretical knowledge in practical settings, develop innovative ideas, and work collaboratively within interdisciplinary teams.

Participation in the Youth Skills Programme (YSP) significantly strengthened students' critical thinking, problem-solving, teamwork, project management, and communication skills. Moreover, these initiatives encouraged the students to take an active role in addressing environmental protection, climate change, and sustainable development. As a result, the students enhanced their entrepreneurial and innovation capacities while improving their readiness to respond to future labour market demands and sustainability challenges.





7.2.3. Green Campus Student Engagement

Student participation remained at the heart of Mingachevir State University's Green Campus strategy throughout 2025. The University actively encouraged students to take part in environmental protection and sustainability initiatives through the Student Youth Organization, Student Scientific Society, Center for Environmental Sustainability and Climate Action, and various academic departments. These activities provided students with opportunities to contribute directly to environmental stewardship while developing practical sustainability skills and environmental awareness.

During the reporting period, more than 500 students participated in a wide range of Green Campus activities and environmental volunteering programmes. Students actively engaged in tree planting campaigns, Green Campus volunteer initiatives, campus clean-up actions, biodiversity awareness events, recycling campaigns, waste segregation programmes, energy conservation awareness activities, and sustainable mobility initiatives. These programmes helped strengthen environmental literacy, promote sustainable behaviours, and encourage greater responsibility for protecting natural resources within the university community.

Particular emphasis was placed on the University's flagship "One Student – One Tree" initiative, which continued to expand student involvement in biodiversity conservation and campus greening activities. Through this programme and other environmental initiatives, students contributed to the enhancement of campus green spaces, biodiversity protection, waste reduction, and climate action efforts. These activities not only supported the University's environmental sustainability objectives but also helped cultivate a strong culture of environmental responsibility, active citizenship, and sustainable living among students.

7.2.4. Student Participation and Sustainability Impact

The active involvement of students played a crucial role in advancing Mingachevir State University's sustainability objectives throughout 2025. Student engagement served as an important mechanism for integrating sustainability principles into teaching, learning, research, campus operations, and community engagement activities. Through their participation in educational programmes, environmental initiatives, innovation projects, volunteer activities, and awareness campaigns, students contributed directly to the University's social, environmental, and educational impact.

During the reporting period, more than 5,500 students benefited from digital learning systems and technology-enhanced educational opportunities, while over 2,000 students participated in sustainability-related activities, training programmes, seminars, workshops, projects, and awareness campaigns. Student engagement was particularly strong in areas related to environmental sustainability, climate action, innovation, entrepreneurship, social responsibility, and community development. These activities provided valuable opportunities for experiential learning and the practical application of sustainability concepts.

In addition, hundreds of students actively participated in Green Campus initiatives, climate action programmes, volunteer projects, innovation competitions, hackathons, biodiversity conservation activities, and social responsibility campaigns. Through these experiences, students strengthened their leadership, problem-solving, teamwork, and civic engagement skills while contributing to positive environmental and social outcomes. As a result, student participation became one of the University's most effective tools for embedding sustainability into everyday campus life and fostering a culture of responsible citizenship and sustainable development.



STUDENT ACTIVITIES

PERFORMANCE DASHBOARD (2025)



EMPOWERING STUDENTS. BUILDING A SUSTAINABLE FUTURE.

INDICATOR	2025 RESULT
 Students using e-learning systems	5,500+
 Sustainability-related student activities organised	40+
 Students participating in sustainability activities	2,000+
 Digital learning platforms utilised	10
 Courses supported by digital learning technologies	90%
 Academic staff participating in professional development programmes	215
 Professional development activities for academic staff	32
 Green Campus and sustainability campaigns organised	15+
 Students participating in environmental and Green Campus initiatives	500+
 Students engaged in hackathons, innovation competitions, and projects	300+
 Sustainability seminars, workshops, and training programmes	35+
 Students participating in leadership and volunteer programmes	500+
 Student retention rate	96%
 Academic programmes revised and modernised	12
 Academic courses incorporating sustainability-related content	15+

OUR COMMITMENT



SUSTAINABLE CAMPUS

Promoting eco-friendly practices and protecting our environment.



DIGITAL LEARNING

Enhancing digital capabilities and modern learning experiences.



STUDENT ENGAGEMENT

Encouraging active participation in meaningful activities.



INNOVATION

Inspiring creativity, research and real-world problem solving.



LEADERSHIP & IMPACT

Building leaders today for a better and sustainable tomorrow.





8.1. Sustainability Research

8.1.1. Sustainable Development-Oriented Research

Research for sustainable development remained a strategic priority of Mingachevir State University throughout 2025. The University recognises that scientific research plays a critical role in addressing complex global challenges and generating innovative solutions that contribute to environmental sustainability, climate resilience, clean energy transitions, digital transformation, social inclusion, and sustainable economic growth. Through its commitment to research excellence and innovation, the University continued to strengthen its contribution to the achievement of the United Nations Sustainable Development Goals.

During the reporting period, more than 14 sustainability-related research projects and scientific initiatives were implemented, involving over 70 academic staff members, researchers, and graduate students. Research activities increasingly focused on practical and interdisciplinary solutions addressing renewable energy technologies, climate change adaptation, environmental protection, water resource management, circular economy models, artificial intelligence applications, smart technologies, sustainable infrastructure, and regional development challenges. In addition, more than 20 scientific publications, conference papers, and research outputs related to sustainability and climate action were produced and disseminated through national and international academic platforms.

The University's sustainability research ecosystem continued to expand through the activities of the Research Institute of Sustainable Energy and Regional Development, the Institute of Artificial Intelligence and Digital Technologies, the Center for Environmental Sustainability and Climate Action, the Sustainable Energy, Waste and Carbon Management Center, and the Regional Water Excellence and Sustainability Laboratory (BlueLab MDU).





8.1.2. Sustainable Energy and Climate Research

Research related to sustainable energy systems and climate action remained one of the strongest pillars of Mingachevir State University's sustainability research agenda throughout 2025. Through the activities of the Research Institute of Sustainable Energy and Regional Development, the University continued to generate scientific knowledge and innovative solutions addressing renewable energy technologies, energy efficiency, climate resilience, carbon emission reduction, sustainable infrastructure, regional energy security, and green economic development. Particular emphasis was placed on research that supports Azerbaijan's energy transition, climate commitments, and national sustainable development priorities.

During the reporting period, the University implemented and supported 14 sustainability-related research projects and scientific initiatives, involving more than 70 researchers, academic staff members, and graduate students. Many of these projects focused on renewable energy systems, energy efficiency technologies, climate change adaptation, environmental sustainability, carbon management, and sustainable regional development. Research activities increasingly emphasised practical and evidence-based solutions capable of supporting low-carbon development pathways and enhancing resilience to environmental and climate-related challenges. These initiatives contributed significantly to strengthening institutional expertise in climate action and sustainable energy management.

The University's researchers also actively participated in national and international scientific conferences, workshops, research networks, and collaborative projects dedicated to climate change mitigation, clean energy technologies, environmental governance, and sustainable development strategies. During 2025, more than 20 scientific publications, conference papers, and research outputs related to sustainability, renewable energy, and climate action were produced and disseminated through various academic and professional platforms.

8.1.3. Water Sustainability and Environmental Research

The establishment and continued development of the Regional Water Excellence and Sustainability Laboratory (BlueLab MDU) significantly strengthened Mingachevir State University's research capacity in the fields of water sustainability, environmental protection, and climate resilience throughout 2025. As one of the University's flagship sustainability initiatives, BlueLab MDU provided an interdisciplinary platform for scientific research, practical training, field-based learning, and stakeholder collaboration focused on sustainable water resource management and environmental sustainability.

During the reporting period, research activities concentrated on water quality monitoring, water conservation, wastewater treatment, integrated water resource management, climate-related water challenges, groundwater sustainability, and the water-energy-food nexus. Through laboratory analyses, field investigations, environmental monitoring activities, and applied research projects, more than 30 researchers, academic staff members, and students participated in studies addressing regional water and environmental challenges. These activities generated valuable scientific data and practical recommendations supporting evidence-based water management and climate adaptation strategies.

Environmental sustainability research was further expanded through studies on biodiversity conservation, ecosystem protection, waste management, resource efficiency, environmental monitoring, sustainable land-use practices, and circular economy approaches. The University also supported field-based research, environmental awareness initiatives, and collaborative projects with external stakeholders aimed at strengthening environmental stewardship and sustainable resource management.



8.1.4. Artificial Intelligence, Digital Transformation and Innovation Research

The establishment and continued development of the Regional Water Excellence and Sustainability Laboratory (BlueLab MDU) significantly strengthened Mingachevir State University's research capacity in the fields of water sustainability, environmental protection, and climate resilience throughout 2025. As one of the University's flagship sustainability initiatives, BlueLab MDU provided an interdisciplinary platform for scientific research, practical training, field-based learning, and stakeholder collaboration focused on sustainable water resource management and environmental sustainability.

During the reporting period, research activities concentrated on water quality monitoring, water conservation, wastewater treatment, integrated water resource management, climate-related water challenges, groundwater sustainability, and the water-energy-food nexus. Through laboratory analyses, field investigations, environmental monitoring activities, and applied research projects, more than 30 researchers, academic staff members, and students participated in studies addressing regional water and environmental challenges. These activities generated valuable scientific data and practical recommendations supporting evidence-based water management and climate adaptation strategies.

Environmental sustainability research was further expanded through studies on biodiversity conservation, ecosystem protection, waste management, resource efficiency, environmental monitoring, sustainable land-use practices, and circular economy approaches. The University also supported field-based research, environmental awareness initiatives, and collaborative projects with external stakeholders aimed at strengthening environmental stewardship and sustainable resource management.





8.1.5. Research Capacity and Scientific Productivity

The University's commitment to sustainability research was reflected in the continuous growth of its research capacity, scientific productivity, and interdisciplinary collaboration throughout 2025. Mingachevir State University continued to strengthen its research ecosystem by encouraging the active involvement of academic staff, researchers, graduate students, and undergraduate students in sustainability-oriented research and innovation activities. These efforts contributed to the generation of new knowledge, the development of practical solutions, and the strengthening of evidence-based approaches to sustainable development challenges.

During the reporting period, more than 70 academic staff members, researchers, and graduate students participated in sustainability-related research activities, while the University implemented and supported 14 sustainability-oriented research projects and scientific initiatives. Research efforts addressed a broad range of topics, including renewable energy, climate action, environmental management, water sustainability, artificial intelligence, digital transformation, circular economy, and regional development. In addition, more than 20 scientific articles, conference papers, and research outputs related to sustainability were produced and disseminated through national and international academic platforms, contributing to the University's growing scientific visibility and impact. Research collaboration was further strengthened through partnerships with universities, research institutions, industry stakeholders, public organisations, and international networks. Sustainability-oriented research increasingly became integrated into teaching activities, student projects, innovation programmes, and graduate research initiatives, creating stronger links between education, research, and societal needs.

SUSTAINABILITY RESEARCH

PERFORMANCE DASHBOARD (2025)

Research. Innovate. Sustain.
Building a Better Future for All.



INDICATOR	2025 RESULT
 Sustainability-related research projects and scientific initiatives	14
 Sustainability-related scientific publications and conference papers	20+
 Academic staff, researchers, and graduate students involved in sustainability research	70+
 Research institutes supporting sustainability research	2
 Sustainability-focused centres and laboratories	5
 Renewable energy and climate-related research programmes	14 projects
 Water sustainability and environmental research participants	30+
 Artificial intelligence and digital innovation research initiatives	10+
 National and international research collaborations	Expanded
 Researchers participating in sustainability-related conferences and workshops	50+
 Students participating in sustainability research and innovation activities	300+
 Research areas aligned with the SDGs	10+ thematic areas
 Sustainability-related conference presentations and academic outputs	20+
 Interdisciplinary sustainability research programmes	Active
Integration of sustainability research into teaching and student projects	Growing

OUR RESEARCH IMPACT



Advancing knowledge for a sustainable future



Driving innovation for environmental solutions



Empowering researchers and future leaders



Creating global impact through collaboration





8.2. Innovation and Industry Collaboration

8.2.1. Innovation and Entrepreneurship Ecosystem

Innovation and entrepreneurship continued to serve as important drivers of institutional development at Mingachevir State University throughout 2025. The University actively promoted an innovation-oriented culture that encourages creativity, problem-solving, technology development, and entrepreneurial thinking among students, researchers, and academic staff. Through the activities of the Innovation Center, the Institute of Artificial Intelligence and Digital Technologies, the Student Scientific Society, and various innovation platforms, students were provided with opportunities to transform ideas into practical solutions addressing real-world challenges and sustainable development needs.

A major achievement during the reporting period was the successful implementation and support of more than 70 startup projects and innovation initiatives developed by students, researchers, and young innovators. These projects covered a wide range of thematic areas, including artificial intelligence, digital transformation, educational technologies, renewable energy, environmental sustainability, climate action, smart systems, entrepreneurship, social innovation, and sustainable development. More than 300 students participated in innovation-related activities, hackathons, startup programmes, and project development initiatives, demonstrating the University's growing innovation capacity and entrepreneurial potential.

The University further strengthened its entrepreneurship ecosystem through innovation competitions, startup challenges, mentoring programmes, business planning workshops, technology exhibitions, and practical project development activities. Throughout 2025, more than 20 innovation events, startup competitions, and entrepreneurial development programmes were organised, providing students with opportunities to enhance their leadership, communication, project management, innovation, and business development skills.



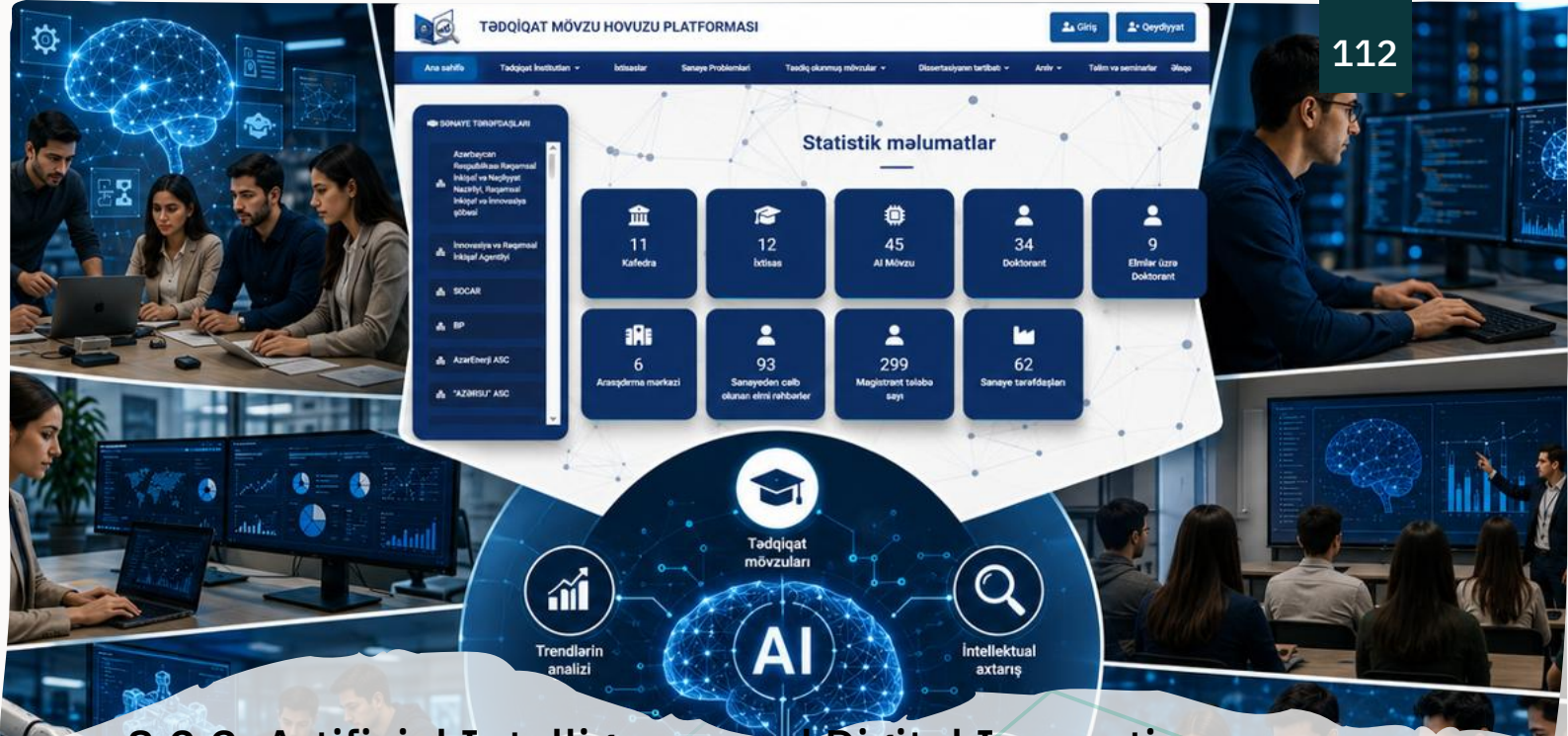
8.2.2. Innovation Events and Technology-Oriented Activities

Throughout 2025, Mingachevir State University organised and supported a wide range of innovation-focused events designed to stimulate creativity, technological advancement, interdisciplinary collaboration, and entrepreneurial thinking. These activities formed an important part of the University's innovation ecosystem and provided students with opportunities to develop practical solutions to contemporary economic, environmental, and social challenges.

During the reporting period, more than 32 innovation events, technology-oriented programmes, and entrepreneurial development activities were organised, engaging over 550 students, researchers, and young innovators. Students actively participated in startup competitions, innovation challenges, hackathons, idea-generation programmes, technology and prototype exhibitions, artificial intelligence workshops, digital innovation training sessions, entrepreneurship programmes, scientific forums, and applied research projects. These initiatives encouraged participants to transform innovative ideas into practical projects while strengthening their creativity, problem-solving abilities, and entrepreneurial competencies.

Particular emphasis was placed on innovation activities that directly contribute to sustainable development objectives. Students were encouraged to design and develop solutions addressing climate action, renewable energy, environmental protection, digital governance, educational innovation, resource efficiency, artificial intelligence applications, and social development challenges. Innovation exhibitions, technology showcases, and project presentation events provided valuable platforms for demonstrating student projects, prototypes, digital solutions, and applied technologies.





8.2.3. Artificial Intelligence and Digital Innovation

The Institute of Artificial Intelligence and Digital Technologies continued to play a leading role in advancing innovation and technological development at Mingachevir State University throughout 2025. The Institute supported research, innovation, and technology-driven initiatives focusing on artificial intelligence, digital transformation, smart systems, automation technologies, data analytics, educational technologies, and sustainable digital solutions. These activities strengthened the University's capacity to generate innovative responses to contemporary economic, environmental, and social challenges while supporting its broader digital transformation agenda.

During the reporting period, more than 10 research and innovation initiatives were implemented in areas such as artificial intelligence, machine learning, digital governance, smart technologies, data analytics, and decision-support systems. Interdisciplinary collaboration among engineering, information technologies, environmental sciences, economics, and education enabled the development of practical solutions supporting resource efficiency, educational innovation, environmental monitoring, and sustainable development objectives. These initiatives also enhanced the digital competencies, research capabilities, and innovation skills of students and academic staff.

One of the University's most significant innovation achievements was the development of the AI-Supported Research Topic Pool Platform and the launch of the dedicated research portal research.mdu.edu.az. The platform enables students and researchers to identify research topics based on real needs presented by industry partners and public institutions, analyse emerging trends, coordinate research activities, monitor progress, and manage the entire research process within a unified digital environment.

8.2.4. Industry Collaboration and Knowledge Transfer

Strong collaboration with industry remained a strategic priority for Mingachevir State University throughout 2025. The University continued to strengthen cooperation with industrial enterprises, public institutions, technology organisations, research centres, and private-sector partners to enhance applied research, practical training, innovation capacity, and workforce development. These partnerships played an important role in bridging the gap between academic knowledge and real-world practice while supporting regional and national development priorities.

During the reporting period, the University maintained active cooperation with more than 60 industry and institutional partners, creating valuable opportunities for internships, practical placements, joint research projects, guest lectures, professional training programmes, technology transfer activities, and collaborative innovation initiatives. Through these partnerships, more than 1,000 students benefited from industry engagement activities, gaining practical experience and exposure to current professional and technological developments. Collaboration with external stakeholders also contributed to strengthening the University's innovation ecosystem and expanding opportunities for knowledge exchange.

Partnerships were particularly active in the fields of sustainable energy and power engineering, information and communication technologies, artificial intelligence and digital transformation, environmental management and sustainability, manufacturing, industrial development, and regional economic growth. The University also continued to engage industry experts in educational activities, curriculum development processes, innovation events, and research initiatives, ensuring that academic programmes remain aligned with labour market needs and emerging technological trends.



INNOVATION & INDUSTRY COLLABORATION

PERFORMANCE DASHBOARD 2025

 INNOVATE  COLLABORATE  IMPACT

INDICATOR	2025 RESULT
 Startup projects and innovation initiatives implemented	70+
 Industry and institutional partners	60+
 Innovation events, startup competitions, and hackathons organised	32
 Students participating in innovation and entrepreneurship activities	550+
 Sustainability-related research projects and scientific initiatives	14
 Sustainability-related scientific publications and conference papers	20+
 Academic staff, researchers, and graduate students involved in innovation and research activities	70+
 Research institutes supporting innovation and technology development	2
 Innovation centres, laboratories, and specialised research units	5+
 Artificial intelligence and digital innovation initiatives	10+
 Technology and prototype exhibitions	Organised
 AI-Supported Research Topic Pool Platform	Implemented
 Industry-academia collaboration activities	Expanded
 Joint research, training, and knowledge transfer activities with industry partners	Active
 Internship and practical placement opportunities through industry partnerships	Expanded
 Innovation and entrepreneurship mentoring programmes	Implemented
 Sustainable development-focused innovation projects	Active
 Student-led innovation and startup initiatives	Growing

OUR IMPACT



DRIVING INNOVATION

Transforming ideas into real-world solutions



STRONG PARTNERSHIPS

Building connections for mutual growth



CREATING VALUE

Advancing research, technology and society



EMPOWERING TALENT

Supporting innovators and future leaders



70+

STARTUP
PROJECTS



60+

PARTNERS



32

EVENTS &
HACKATHONS



550+

STUDENTS
ENGAGED



10+

AI & DIGITAL
INITIATIVES



EXPANDED
COLLABORATIONS



GROWING
IMPACT

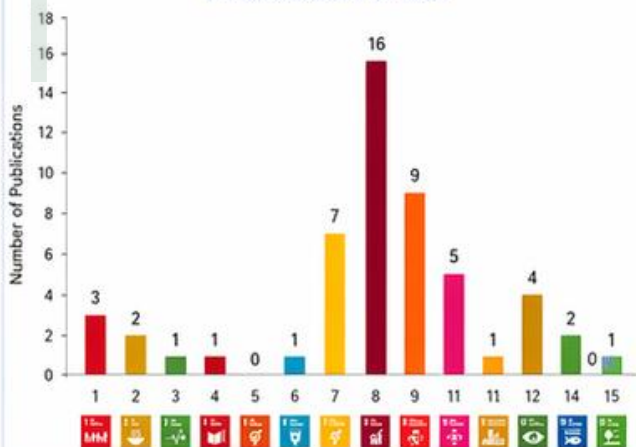
INNOVATE. COLLABORATE. IMPACT.

TOGETHER TOWARDS A SUSTAINABLE FUTURE.

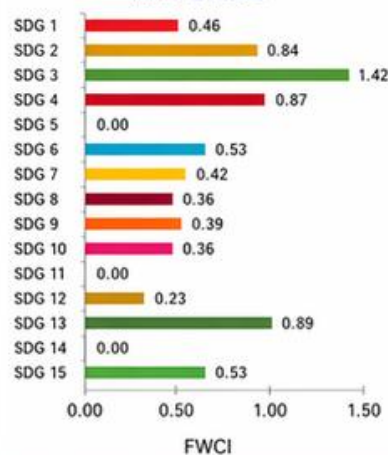


Sustainable Development Goal		Publications	FWCI (Field-Weighted Citation Impact)
	SDG 1: No Poverty	3 	 0.46
	SDG 2: Zero Hunger	2 	 0.84
	SDG 3: Good Health and Well-being	1 	 1.42
	SDG 4: Quality Education	1 	 0.87
	SDG 5: Gender Equality	0	0.00
	SDG 6: Clean Water and Sanitation	1 	 0.53
	SDG 7: Affordable and Clean Energy	7 	 0.42
	SDG 8: Decent Work and Economic Growth	16 	 0.36
	SDG 9: Industry, Innovation and Infrastructure	9 	 0.39
	SDG 10: Reduced Inequality	5 	 0.36
	SDG 11: Sustainable Cities and Communities	1 	0.00
	SDG 12: Responsible Consumption and Production	4 	 0.23
	SDG 13: Climate Action	2 	 0.89
	SDG 14: Life Below Water	0	0.00
	SDG 15: Life on Land	1 	 0.53
Total, unique publications		26	0.38

PUBLICATIONS BY SDG



FWCI BY SDG



KEY INSIGHTS



26 unique publications contributed to the SDGs (2020–2025).



Highest research activity is in SDG 8 (16 publications), followed by SDG 9 (9) and SDG 7 (7).



Highest impact (FWCI) is in SDG 3 (1.42), followed by SDG 13 (0.89) and SDG 4 (0.87).



Research covers 13 out of 15 SDGs.



TOTAL UNIQUE
PUBLICATIONS

26



OVERALL FWCI

0.38



SDGs COVERED

13 / 15



TIME PERIOD

2020–2025

Partnerships for Sustainable Development

9.1. Statistics and their Indicators



International partnerships and collaborative engagement continued to expand significantly at Mingachevir State University throughout 2025, strengthening the University's internationalisation, research capacity, innovation ecosystem, and societal impact. The number of active international partnership agreements and partner universities increased from 87 to 135, while joint research and innovation projects nearly doubled from 19 to 37. Industry-academia collaboration also advanced considerably, with the number of co-developed programmes rising from 43 to 62, supporting stronger links between education, research, and labour market needs. Student participation in international mobility programmes grew from 12 to 31, broadening global learning opportunities and intercultural experience. In addition, partnership-driven workshops, conferences, and academic events increased from 14 to 21, creating new platforms for knowledge exchange, professional networking, and collaborative innovation.

9.2. International Academic Cooperation

International cooperation remained one of the strongest pillars of Mingachevir State University's development strategy throughout 2025. The University continued to expand its global engagement by strengthening partnerships with international higher education institutions and organisations, integrating international experience into teaching, research, and innovation activities. During the reporting period, the number of active international partner universities and organisations increased from 87 to 135, representing approximately 55% growth compared with the previous year.

Partnerships with leading institutions such as Bahçeşehir University, Middle East Technical University (METU), OSTİM Technical University, Dokuz Eylül University, Ege University, Gazi University, Ankara Hacı Bayram Veli University, TED University, and Istanbul Aydın University supported academic mobility, curriculum development, joint scientific activities, collaborative research projects, and international knowledge exchange. These collaborations created valuable opportunities for students and academic staff to participate in international educational, research, and professional development activities.

The University also actively participated in international academic networks, including the Turkic Universities Union (TURKUNIB) and the Orhun Exchange Programme, strengthening cooperation among universities across the Turkic world and fostering new opportunities for academic collaboration and mobility. One of the most significant outcomes of international cooperation was the substantial expansion of mobility opportunities, with the number of student and staff mobility initiatives increasing from 12 programmes in 2024 to 31 programmes in 2025. This nearly 2.5-fold increase reflects the University's growing international engagement, enhanced global visibility, and strengthened contribution to international knowledge exchange and sustainable development through global partnerships.



9.3. Research and Innovation Partnerships

Research and innovation partnerships continued to play a vital role in strengthening Mingachevir State University's scientific capacity, research excellence, and contribution to sustainable development throughout 2025. Through collaboration with universities, research institutions, industry partners, public organisations, and international networks, the University expanded opportunities for interdisciplinary research, knowledge exchange, innovation development, and evidence-based solutions addressing contemporary sustainability challenges.

During the reporting period, the number of joint research and innovation projects implemented through partnership mechanisms increased from **19** projects in **2024** to **37** projects in **2025**, reflecting significant growth in collaborative research activities. These partnerships supported research in areas such as sustainable energy, climate action, environmental sustainability, artificial intelligence, digital transformation, regional development, and social innovation. The expansion of collaborative research initiatives strengthened the University's ability to attract expertise, share knowledge, and generate practical solutions with real societal impact.

Partnership-based research contributed directly to the University's growing scientific output and sustainability impact. Between 2020 and 2025, the University produced 26 SDG-tagged indexed publications, addressing SDGs 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, and 15. Research activity was particularly strong in SDG 8 – Decent Work and Economic Growth (16 publications), SDG 9 – Industry, Innovation and Infrastructure (9 publications), and SDG 7 – Affordable and Clean Energy (7 publications). Furthermore, the proportion of scholarly publications produced with international co-authors reached 32.1%, demonstrating the increasing internationalisation of the University's research ecosystem and the strengthening of global scientific collaboration. These achievements highlight the University's growing role in generating knowledge, fostering innovation, and contributing to sustainable development through strategic research partnerships.



9.4. Industry and Entrepreneurship Partnerships

Collaboration with industry remained a major contributor to innovation, entrepreneurship, and applied learning at Mingachevir State University throughout 2025. The University continued to strengthen cooperation with industrial enterprises, public institutions, technology organisations, and private-sector partners to enhance practical education, applied research, innovation capacity, and workforce development. These partnerships played an important role in connecting academic knowledge with real-world applications and supporting the University's contribution to sustainable economic development.

During the reporting period, the University maintained cooperation with 62 active industry and institutional partners representing sectors such as sustainable energy, engineering, information technologies, artificial intelligence, manufacturing, environmental management, entrepreneurship, and regional development. At the same time, the number of industry-academia collaboration programmes increased from 43 to 62, representing approximately 44% growth compared with the previous year. This expansion reflects the University's growing engagement with industry and its commitment to strengthening collaboration between higher education and the labour market.

These partnerships supported a wide range of activities, including applied research projects, internships and practical training opportunities, technology transfer initiatives, guest lectures, professional mentoring programmes, innovation and entrepreneurship activities, and curriculum modernisation efforts. A particularly significant outcome was the continued expansion of the University's innovation ecosystem through the activities of the Innovation Center, the Institute of Artificial Intelligence and Digital Technologies, and entrepreneurship support programmes. As a result, more than 70 startup projects and innovation initiatives were implemented during 2025, providing students and young researchers with opportunities to transform innovative ideas into practical solutions, strengthen entrepreneurial competencies, and contribute to sustainable economic and social development.



9.5. Community and Regional Development Partnerships

Community and regional development partnerships continued to play an important role in advancing Mingachevir State University's social sustainability mission throughout 2025. The University strengthened cooperation with government agencies, municipalities, public institutions, educational organisations, civil society groups, and local communities to support inclusive development, social well-being, environmental sustainability, and regional capacity building. These partnerships enabled the University to extend its impact beyond the campus and contribute directly to the sustainable development of the surrounding region.

During the reporting period, the University collaborated with a wide range of stakeholders, including the State Employment Agency, local executive authorities, municipalities, schools, public institutions, and community organisations, to implement educational, social, and community-oriented initiatives. Through these partnerships, more than 20 community engagement and regional development activities were organised, involving over 1,000 participants from various sectors. Activities focused on career development, youth empowerment, social inclusion, environmental awareness, civic engagement, skills development, and sustainable development priorities.

These collaborations created valuable opportunities for students and academic staff to participate in real-world projects addressing community needs and regional challenges. Community-based initiatives, awareness campaigns, volunteer programmes, and stakeholder engagement activities strengthened the University's contribution to local development while fostering stronger connections between academia and society. As a result, Mingachevir State University further reinforced its role as a regional knowledge hub and a trusted partner in promoting sustainable development, social cohesion, and community resilience in line with SDG 17 – Partnerships for the Goals.



PARTNERSHIP PERFORMANCE

DASHBOARD 2025

STRONGER TOGETHER. GLOBAL IMPACT.

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MİNGƏÇEVİR
DÖVLƏT
UNİVERSİTETİ



OUR COMMITMENT

Building meaningful partnerships that drive innovation, education, research and sustainable development for a better future.

INDICATOR	2025 RESULT
 Active international partner universities and organisations	135
 Growth in international partnerships	+55%
 Joint research and innovation projects	37
 Industry-academia collaborative programmes	62
 Active industry and institutional partners	62
 Student and staff mobility programmes	31
 Partnership-driven workshops, seminars, and collaborative events	21+
 Startup projects and innovation initiatives implemented through partnerships	70+
 Sustainability literacy assessment result	82.5%
 Curriculum units embedding SDG-related content	42%
 Internationally co-authored research output	32.1%
 SDG-tagged indexed publications (2020-2025)	26
 Growth in joint research and innovation projects (2024-2025)	+95%
 Growth in industry-academia collaboration programmes (2024-2025)	+44%
 Growth in mobility initiatives (2024-2025)	2.5x increase
 Community engagement and regional development activities	20+
 Participants in partnership-based community and stakeholder activities	1,000+



135

INTERNATIONAL
PARTNERS



+55%

PARTNERSHIP
GROWTH



37

JOINT RESEARCH
PROJECTS



70+

INNOVATION
INITIATIVES



1,000+

COMMUNITY
PARTICIPANTS



82.5%

SUSTAINABILITY
LITERACY RESULT

10 SDG Impact Summary

SDG	Key Contributions and Activities (2025)
SDG 1 – No Poverty	Social support programmes, student assistance initiatives, social entrepreneurship activities, support for vulnerable groups, scholarships and inclusion programmes.
SDG 2 – Zero Hunger	Food security awareness activities, responsible food consumption campaigns, food waste reduction initiatives, sustainable agriculture awareness programmes.
SDG 3 – Good Health and Well-being	15 health awareness events, 600 students receiving health screening services, 350 students benefiting from psychological support services, 500 students participating in sports activities.
SDG 4 – Quality Education	12 academic programmes revised, 215 academic staff participating in professional development, 90% of courses supported by digital learning platforms, 5,500+ students using e-learning systems.
SDG 5 – Gender Equality	54% female student participation, 43% female academic staff representation, 69% women in middle-level management positions, 12 gender equality awareness events.
SDG 6 – Clean Water and Sanitation	Development of BlueLab MDU, water conservation awareness activities, Eco Water Conservation Hackathon, water sustainability research and monitoring initiatives.
SDG 7 – Affordable and Clean Energy	Sustainable energy research projects, renewable energy awareness activities, 17% reduction in electricity consumption, energy efficiency initiatives and green energy education programmes.
SDG 8 – Decent Work and Economic Growth	Career development programmes, internship opportunities, entrepreneurship initiatives, 70+ startup projects, industry partnerships and employability support activities.

SDG	Key Contributions and Activities (2025)
SDG 9 – Industry, Innovation and Infrastructure	14 sustainability-related research projects, 70+ innovation and startup initiatives, AI-supported innovation projects, technology exhibitions and industry collaboration programmes.
SDG 10 – Reduced Inequalities	10+ inclusion awareness campaigns, 600+ participants in inclusion activities, 500+ beneficiaries supported through social inclusion projects, disability support initiatives.
SDG 11 – Sustainable Cities and Communities	Smart city awareness activities, community engagement projects, sustainable urban development discussions, regional development partnerships.
SDG 12 – Responsible Consumption and Production	22% reduction in paper consumption, 30% reduction in single-use plastics, waste segregation systems, recycling campaigns, Zero Waste Campus initiatives.
SDG 13 – Climate Action	12 climate awareness events, Climate Week activities, climate-related research projects, tree planting campaigns, environmental community initiatives and climate literacy programmes.
SDG 14 – Life Below Water	Water quality monitoring activities, sustainable water management initiatives, BlueLab MDU projects, awareness activities related to aquatic ecosystems.
SDG 15 – Life on Land	Green Campus initiatives, biodiversity awareness campaigns, tree planting programmes, expansion of green areas by 15%, ecosystem protection activities.
SDG 16 – Peace, Justice and Strong Institutions	Governance and ethics awareness activities, legal literacy initiatives, civic engagement programmes, transparency and institutional development activities.
SDG 17 – Partnerships for the Goals	135 international partner universities, 62 industry partnerships, 37 joint research and innovation projects, 31 mobility programmes, 21 partnership-driven events.

KEY SUSTAINABILITY TARGETS

(2026-2027)

124



MEASURE



IMPROVE



EMPOWER



SUSTAIN



THEME	INDICATOR	2025 RESULT	2026 TARGET	2027 TARGET
 EDUCATION & RESEARCH	 Sustainability literacy assessment result	82.5%	88%	92%
	 Curriculum units embedding SDG content	42%	50%	60%
	 Internationally co-authored research output	32.1%	38%	45%
	 SDG-tagged indexed publications	26	32	40
	 Active international partner universities	135	160	180
	 Industry and institutional partners	62	80	100
	 Joint research and innovation projects	37	45	55
	 Industry-academia collaborative programmes	62	75	90
	 Student and staff mobility programmes	31	40	50
	 Partnership-driven workshops and events	21	25	30
	 Startup projects and innovation initiatives	70+	90+	120+
	 Sustainability-related research projects	14	18	24
	 Sustainability-related publications and conference papers	20+	30+	40+
	 Researchers involved in sustainability research	70+	90+	120+
	 Academic programmes revised and updated	12	14	17
	 Academic staff participating in professional development programmes	215	240	265
 PEOPLE & INCLUSION	 Student retention rate	96%	97%	98%
	 Female student participation rate	54%	56%	58%
	 Female enrolment in STEM programmes	38%	42%	45%
	 Female academic staff representation	43%	45%	48%
	 Students receiving financial and social support	25%	30%	35%
	 Students and staff involved in inclusion activities	600+	800+	1,000+
	 Beneficiaries supported through inclusion initiatives	500+	700+	900+
 HEALTH & WELL-BEING	 Students receiving health screening services	600	750	900
	 Students receiving psychological support services	350	500	650
	 Health education and awareness events	15	20	25
	 Students participating in sports and physical activities	500	700	900
	 Students reporting improved health and well-being	55%	70%	85%
 ENVIRONMENT & CLIMATE ACTION	 Reduction in electricity consumption	18%	20%	25%
	 LED lighting coverage	60%	80%	100%
	 Reduction in paper consumption	22%	30%	40%
	 Reduction in single-use plastics	30%	40%	50%
	 Campus waste segregation coverage	40%	60%	80%
	 Climate awareness events	12	16	20
	 Courses including climate-related content	6	8	10
	 Increase in green campus areas	15%	18%	22%
	 Environmental community initiatives	8	12	15
	 Beneficiaries reached through climate initiatives	300+	500+	700+
 WATER & SANITATION MANAGEMENT	 Reduction in water consumption	Baseline established	20%	25%
	 Smart water metering coverage	Pilot phase	80%	100%
	 Sustainable sanitation system coverage	Existing infrastructure	80%	100%
	 Water reuse and rainwater harvesting implementation	Initial stage	50%	75%
	 BlueLab MDU research and monitoring capacity	Baseline established	+20%	+30%



MINGACHEVIR
STATE UNIVERSITY

THANK YOU

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academic and administrative staff,
students, and participants for their
support in implementing these
initiatives.

The achieved results contribute
to the MSU's progress in
sustainable development.



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