



**SAGINOV
TECHNICAL
UNIVERSITY**
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**Action Plan for the Implementation of the
Sustainable Development Goals (SDGs) at
Abylkas Saginov Karaganda Technical University
for 2025–2029**



Goals	Main Objective	Activity	Timeline
1 NO POVERTY 	Conducting research and implementing projects aimed at combating poverty and providing targeted support to those in need.	Organizing charitable events for low-income students, including scholarship programs. Implementing the “Social Support” program to provide housing and meals for students from socially vulnerable groups. Holding a charity fair to raise funds for local social initiatives. Scholarships, grants, discounts, quotas, and social benefit packages provided by the university. Affordable dormitories for students and staff.	2025-2029
2 ZERO HUNGER 	Implementation of scientific and educational projects, and ensuring healthy nutrition.	Development of educational and research programs in the field of agrotechnologies using resource-saving methods, as well as in sustainable agricultural development and improving food security. Enhancing and improving students’ quality of life at the university through social benefit packages supported by investment attraction. Organization of a charity fair to raise funds for the support of local social projects. On-campus cafeterias operate with affordable prices for students and staff.	2025-2029
3 GOOD HEALTH AND WELL-BEING 	Ensuring access to healthcare and promoting a healthy lifestyle to improve the well-being of all people. Strengthening the university’s influence on the socio-economic development of the region. Contributing to the implementation of the Sustainable Development Goals, including the promotion of inclusive education.	Organizing free medical check-ups for students and staff. Establishing a psychological service to support mental health. Conducting sports events and healthy lifestyle campaigns. The university has a stadium and sports infrastructure for physical activities. Various sports clubs are available. A medical station and a polyclinic operate on campus. Promoting a healthy lifestyle. Implementing social responsibility projects in cooperation with government agencies, civil society, and international organizations.	2025-2029

Goals	Main Objective	Activity	Timeline
4 QUALITY EDUCATION 	Implementation of unique master’s and doctoral programs and enhancement of research staff expertise to ensure the university’s high competitiveness in the educational services market. Strengthening the material and technical base and increasing the university’s level of digital maturity. Implementation of sustainable and practical strategies for the internationalization of the educational process in training technical specialists, taking into account both national and international contexts. Development of lifelong learning initiatives. Expansion of partnership networks with industrial enterprises.	Introduction of a series of specialized courses and educational programs aligned with the United Nations Sustainable Development Goals (SDGs). Increasing the number of academic programs with international accreditation. Development and publication of textbooks and teaching materials approved by the Ministry of Science and Higher Education of the Republic of Kazakhstan. Defense of master’s and PhD dissertations. Strengthening effective multilateral cooperation with technical universities worldwide in the fields of science and education. Organization of Open Day events. Hosting national and international Olympiads in the university’s core disciplines. Creating an inclusive educational environment for students with disabilities. Enhancing the qualifications of faculty and administrative staff. The university operates the Silver University, the Institute of Continuing Education, the Confucius Institute, and other educational units. The university adheres to the principles of inclusiveness, non-discrimination, and equal access to quality education for all citizens of Kazakhstan and abroad, regardless of ethnicity, gender, religion, health condition (disability), or socio-economic status. A dedicated “Sustainable Development” section is available on the university’s official website.	2025-2029
5 GENDER EQUALITY 	Implementation of anti-discrimination research and projects, ensuring gender equality, and providing equal access to education and vocational training.	Conducting training sessions and lectures on gender equality and human rights. Encouraging the participation of girls in technical and engineering fields through mentorship programs and competitions. To promote gender equality, the university adheres to a strict non-discrimination policy toward girls and women. Female students and staff of the university have equal rights to engage in scientific, economic, social, administrative, and other university activities.	2025-2029

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6 CLEAN WATER AND SANITATION 	Rational use of water, provision of clean water, and ensuring compliance with sanitary and hygienic standards.	Implementation of a water-saving system across university campuses. Organization of educational seminars on the rational use of water resources. Supporting the eco-movement in Kazakhstan through scientific and practical developments and their implementation in real life. Modernization of educational program content by integrating components on sustainable development and environmental protection.	2025-2029
7 AFFORDABLE AND CLEAN ENERGY 	Implementation of research and projects in the field of energy efficiency, and reduction of energy consumption through the use of renewable energy sources.	Installation of solar panels to promote energy conservation. Conducting scientific research in the field of renewable energy sources. Use of scooters, e-bikes, electric cars, and e-scooters on campus. Social engagement focused on fostering environmental education and ecological awareness among youth. The university is equipped with energy-efficient lighting and motion/light sensors. Implementation of “smart building” projects. Development of a modern academic, research, and infrastructural digital ecosystem. Integration of eco-oriented modules into educational programs and organization of SDG-related master classes. Ensuring high-quality training of highly qualified personnel through the integration of education and science, as well as the generation and transfer of new knowledge and technologies in the field of machinery and equipment operation. Organizing environmentally oriented student internships at industrial enterprises. Engaging students in creating media materials and projects dedicated to promoting a healthy lifestyle. Development and implementation of innovative educational content in the field of technological equipment operation using interactive and eco-oriented teaching methods and formats.	2025-2029

Goals	Main Objective	Activity	Timeli ne
8 DECENT WORK AND ECONOMIC GROWTH 	Stable growth of salaries and improvement of working conditions. Development and strengthening of research infrastructure.	Organization of a student hackathon on social innovations aimed at developing innovative solutions in sustainability, such as smart resource use and improved energy efficiency. Establishment of a student club dedicated to promoting sustainability principles, organizing educational events, and implementing practical projects. Creation of social and humanitarian centers in cooperation with government agencies as part of long-term social responsibility projects addressing current youth issues. Organization of annual job fairs with participation from local and international companies. Launch of a business incubator to support student startups. Labor relations are regulated by the Labor and Ethical Codes. The university ensures decent working conditions and guarantees equal and fair pay regardless of employees’ gender. A trade union operates within the university. Safety measures and secure working conditions are maintained on campus. The university facilitates graduate employment. Introduction of specialized courses and master classes on sustainable development, social responsibility, and current youth challenges. Improvement of existing educational programs and the introduction of innovative programs aligned with the “Atlas of New Professions.”	2025- 2029
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	Development and implementation of innovative projects contributing to the economic growth of the country and the city. Introduction and promotion of new technologies in industry, education, and the social sphere.	Establishment of a technology park to promote innovative projects in the field of industry. Modernization of university laboratories to enable advanced scientific research. Launch of a series of specialized courses and master classes on sustainable development. Internships for faculty members at leading enterprises in Kazakhstan and abroad to enhance their innovative potential. Participation in projects of the University’s Center for Inclusive Education for the benefit of society. Fostering professional and civic responsibility among students, as well as analytical and teamwork skills. Operation of the College of Innovative Technologies under the university. Transition to a Research University model. Organization of the International Scientific and Practical Conference “<i>Integration of Science, Education, and Production – The Basis for the Implementation of the Nation’s Plan</i>” (Saginov Readings). Organization of the Republican Student Conference “<i>The Contribution of Youth Science to the Implementation of the Strategy ‘Kazakhstan-2050’</i>”.	2025- 2029

Goals	Main Objective	Activity	Timeline
10 REDUCED INEQUALITIES 	Engagement of staff in decision-making processes and creation of conditions for the development of inclusive education within the university.	The university guarantees the protection of students and employees from discrimination, ensuring equal rights to decent work, employment, fair remuneration, and protection from harassment and extortion through the engagement of professional lawyers and the support of an Anti-Corruption Public Center. Equal access to education for students from rural areas is ensured through a system of educational grants. Specialized courses and workshops are held to provide comprehensive assistance to vulnerable groups of the population. Social responsibility projects are implemented in cooperation with government agencies, the civil sector, and international organizations. The university continues to develop student social infrastructure, including medical and food services within the campus. Events promoting tolerance, inclusion, and mutual respect within the university environment are regularly organized.	2025-2029
11 SUSTAINABLE CITIES AND COMMUNITIES 	Contribution to the development of urban areas. Ensuring transparency, safety, and environmental sustainability of the campus.	Conducting research and implementing projects aimed at improving the urban infrastructure of the city of Karaganda. Participation in the city's improvement through greening initiatives and the creation of public spaces. Development and promotion of the Department of Architecture among the wider community. Engagement of industry professionals and practitioners in teaching activities and elective course delivery. Establishment of a technology park to support innovation and project-based initiatives. Development of design and estimate documentation (DED) for an indoor tennis court at the university's sports complex.	2025-2029
12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	Implementation of a waste management system based on the "3R" principle: <i>Reduce, Reuse, Recycle</i> — minimizing waste generation, reusing materials, and promoting recycling.	Implementation of a waste separation system across the university campus, including the installation of special containers for waste sorting and packaging. Organization of environmental campaigns aimed at reducing plastic waste and promoting environmental awareness among students and staff. Conducting initiatives to minimize the use of plastic and disposable materials and promoting environmentally responsible consumption practices. Ethical selection of food suppliers and monitoring the sustainability of production and consumption chains within the campus. Safe waste disposal, including proper handling of hazardous materials, and control of water consumption in university facilities. Use of energy-efficient technologies, such as LED lighting and motion sensors, in all university buildings. Conducting environmental education and awareness events, including campus clean-up actions and recyclable material collection campaigns.	2025-2029

Goals	Main Objective	Activity	Timeline
13 CLIMATE ACTION 	Conducting climate change research, implementing educational programs, and participating in climate action events.	Organizing an annual tree-planting campaign. Holding conferences and forums on climate change and sustainable development. Transitioning the University to a “Green Office” model.	2025-2029
14 LIFE BELOW WATER 	Expanding scientific research in the field of water body conservation and reducing the impact of pollution on their ecosystems.	Conducting educational lectures on the protection of Kazakhstan’s water resources. Research and projects aimed at preserving the biodiversity of the region’s aquatic ecosystems.	2025-2029
15 LIFE ON LAND 	Projects and research focused on the development of the campus terrestrial ecosystem and sustainable natural resource management.	Participation in projects on forest restoration and the protection of natural reserves. Conducting ecological expeditions to study the state of local flora and fauna. The university conducts research in the field of ecosystem protection, restoration, and maintenance. The university is committed to greening initiatives and supports the ecosystems of its campus areas. Active participation in the national initiative “Taza Kazakhstan” as part of the university’s ESG strategy and commitment to the 17 UN Sustainable Development Goals (SDGs).	2025-2029

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16 PEACE AND JUSTICE 	An open decision-making system, fair social policy, free legal assistance, and zero tolerance for corruption.	Conducting lectures and seminars on the principles of human rights and peacekeeping. Organizing a cultural festival showcasing the traditions and cultures of various nationalities and groups to promote tolerance and mutual understanding. The university implements a policy aimed at maintaining peace and justice. The university ensures full transparency of internal organizational processes. The university carries out anti-corruption initiatives. The university provides free legal assistance to students, staff, and visitors.	2025-2029
17 PARTNERSHIPS FOR THE GOALS 	International and regional cooperation in the fields of sustainable development, science, technology, and innovation, as well as access to these achievements.	Establishing partnerships with international universities for joint research initiatives. Active participation in competitions of the Ministry of Science and Higher Education of Kazakhstan (MSHE RK) and other organizations on fundamental and applied research. Integration of the university’s scientists into the global research community (internationalization of research and development through partnerships with leading universities and scientific centers, and publications in high-ranking international journals Q1 and Q2). Enhancing the university’s position in global sustainable development rankings. The university adheres to a policy of openness for cooperation with governmental, non-governmental, regional, and international organizations interested in promoting sustainable development. Developing effective multilateral cooperation with technical universities around the world in the fields of science and education.	2025-2029