




Sustainability Report

Building a
sustainable
world

OUR SHARED
RESPONSIBILITY



Foreword



Our vision is to transform Navoi State University into a model of sustainability in Uzbekistan and beyond — a place where innovation meets responsibility.”

At Navoi State University, we firmly believe that education and sustainability are inseparable forces shaping the future of our society. As an institution of higher learning, we recognize our responsibility not only to educate the next generation of leaders and innovators, but also to safeguard the environment and contribute to the well-being of our community and planet.

This report reflects our ongoing commitment to the principles of environmental, social, and governance responsibility. Through these initiatives, we aim to foster a culture of ecological awareness, social responsibility, and ethical governance across all levels of our university life.

Our vision is to transform Navoi State University into a model of sustainability in Uzbekistan and beyond — a place where innovation meets responsibility. Guided by global standards and local priorities, we continue to align our development strategies with the United Nations Sustainable Development Goals, ensuring that every step we take today contributes to a more resilient and sustainable tomorrow.

. Together, we are building an institution that not only pursues academic excellence but also inspires environmental stewardship and social progress.

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Introduction



In today's world, sustainability has become a defining measure of institutional responsibility and progress. For higher education institutions, integrating environmental, social, and governance principles is no longer optional—it is essential for shaping future generations who are conscious of their impact on society and the planet.

The GreenMetric Report of Navoi State University serves as both a reflection of our current sustainability practices and a roadmap for future development. It highlights the university's strategic efforts to reduce its environmental footprint, foster social inclusion, ensure transparent governance, and promote sustainable economic management across all operations.

Through systematic monitoring and reporting, Navoi State University demonstrates accountability and transparency in its commitment to sustainable growth. Participation in the GreenMetric World University Ranking encourages us to evaluate our policies and practices through a global lens, ensuring that our initiatives align with international standards and the United Nations Sustainable Development Goals.

By focusing on energy efficiency, waste reduction, green infrastructure, water conservation, and social engagement, we aim to create a learning environment that not only educates but also inspires sustainable living. These efforts strengthen the university's relationships with stakeholders, enhance its reputation, and contribute to a cleaner, more resilient, and forward-looking community.

In essence, this report reflects Navoi State University's dedication to responsible development — to educating for sustainability, leading by example, and building a better future for our nation and the world.

Greenmetric Categories

GreenMetric World University Ranking is an international sustainability ranking system that evaluates universities based on their commitment to environmental sustainability and green campus initiatives. To assess universities comprehensively, GreenMetric uses a set of six main categories, each representing a key dimension of sustainability. These categories include Setting and Infrastructure, Energy and Climate Change, Waste, Water, Transportation, and Education and Research. Together, they provide a holistic framework for measuring how universities manage their physical environment, energy efficiency, waste reduction, water conservation, sustainable mobility, and integration of sustainability principles into teaching and research.



Setting and Infrastructure

This category evaluates how the university's physical environment supports sustainability. It includes the proportion of green space on campus, the total area of vegetation, campus development planning, and policies for maintaining a sustainable and eco-friendly infrastructure.



Energy and Climate Change

This category measures the university's efforts to reduce energy consumption and greenhouse gas emissions. It assesses the use of renewable energy sources, smart building technologies, energy efficiency programs, and initiatives to combat climate change.



Waste

The waste category focuses on how the university manages waste generation and recycling. It includes waste reduction policies, recycling programs, organic waste management, toxic waste disposal, and campaigns promoting waste segregation and zero-waste practices.



Water

This category examines how effectively a university manages its water resources. It covers water conservation programs, rainwater harvesting, the use of water-efficient appliances, wastewater treatment, and policies that ensure the sustainable use of water on campus.



Transportation

Transportation evaluates how the university promotes sustainable mobility. It considers the availability of pedestrian and cycling paths, shuttle services, electric vehicles, parking policies, and initiatives to reduce carbon emissions from campus transportation.



Education and Research

This category assesses how sustainability principles are integrated into academic activities. It includes the number of sustainability-related courses, research projects, publications, and community outreach programs aimed at promoting environmental awareness and sustainable development.

Setting and Infrastructure



Setting and Infrastructure at Navoi State University

Navoi State University has established a comprehensive policy and a conducive learning environment that prioritize safety, accessibility, and sustainability across its campuses. The university's infrastructure development is guided by principles of security, comfort, and environmental responsibility, ensuring a safe and supportive atmosphere for students, faculty, and staff.

To maintain a secure and well-organized campus environment, the university provides a range of key facilities and safety measures. Campus police units regularly patrol the grounds and respond promptly to incidents. They also organize safety trainings, self-defense classes, and awareness programs to enhance community preparedness. The campus is equipped with emergency call stations and CCTV surveillance systems strategically located in key areas to ensure immediate assistance and crime prevention.

Furthermore, well-lit pathways and parking areas improve visibility and safety during nighttime hours, while first aid stations across the campus are fully equipped and staffed with trained personnel to provide immediate medical support. The university has also implemented an emergency alert system with loudspeakers for rapid communication during critical situations, along with fire safety equipment, including detectors, alarms, and extinguishers installed in all buildings.

In addition to physical safety, Navoi State University promotes mental and emotional well-being through on-campus counseling centers that provide psychological support for students and staff. To strengthen overall campus security, the institute collaborates closely with the Regional Internal Affairs Department, State Security Service, Regional Prosecutor's Office, and youth organizations such as the Youth Affairs Agency and Youth Union Council of Navoi Region.

Through these integrated measures, the institute demonstrates its strong commitment to providing a secure, inclusive, and sustainable learning environment in line with the objectives of the GreenMetric "Setting and Infrastructure" category.



Inclusive Campus Infrastructure at Navoi State University



Navoi State University is committed to creating an inclusive and accessible campus environment that supports individuals with disabilities, special needs, and maternity care requirements. The institute has implemented a variety of facilities and services designed to ensure equal access, comfort, and participation for all members of the university community.

The campus features accessible entrances and exits, including ramps and automatic doors, to ensure smooth movement across all buildings. Reserved parking spaces are available near main entrances for individuals with disabilities and special needs. Additionally, adaptive restrooms have been designed to be gender-neutral and equipped with grab bars and adequate space for mobility devices.

The institute also provides assistive technologies such as screen readers, magnifiers, and adaptive computers in libraries and computer labs, supporting inclusive learning. Maternity and lactation rooms are available, offering privacy, comfort, and necessary facilities for nursing mothers.

Comprehensive support services are accessible through counseling and mental health programs tailored to individuals with disabilities or special needs. Furthermore, flexible academic accommodations, including extended test-taking time, alternative assessment formats, and note-taking assistance, are available to promote equitable learning opportunities.

By integrating these inclusive facilities and services, Navoi State University demonstrates its dedication to fostering a supportive, barrier-free educational environment that values diversity and accessibility for all students and staff.

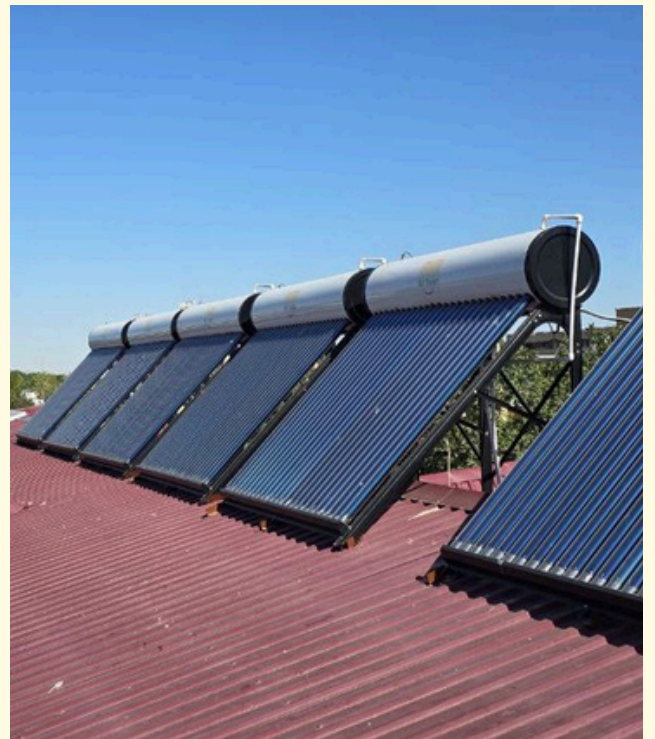


The University' Clinic provides health services with services to the entire university's staff and students.

Energy and Climate Change



Navoi State University is committed to sustainable energy use and climate-conscious practices through effective energy management and modern technology. Each department monitors its own energy consumption and applies measures such as improved insulation, LED lighting, and sustainable technologies to reduce overall usage. A major achievement is the installation of solar-powered water boilers in all dormitories, which fully cover hot water needs and minimize electricity use. Classrooms are equipped with temperature and humidity sensors connected to air conditioners, allowing remote control to prevent overuse and maintain efficiency. Furthermore, campus buildings are designed with large windows to enhance natural lighting and ventilation, reducing dependence on artificial systems. These initiatives collectively promote energy efficiency and environmental responsibility, aligning NSU with the goals of the GreenMetric “Energy and Climate Change” category.



Navoi State University has planned to build a new campus that will be in accordance with sustainable standards, which will adopt solar panels for the generation of electricity and is expected to be a smart building creating a safe and comfortable atmosphere. Our main focus is the installation of solar panels since it bolsters all our efforts to achieve our goals in reducing the emission of carbon and other detrimental substances into the air and our commitment to play a huge role in transitioning from a world struggling with global problems to low-carbon, clean environment future.



Since cars are the main contributors to air contamination, NSU tries to do its part by reducing the usage of cars inside the campus by decreasing the space for parking lots and expanding green space. Furthermore, to advocate for the use of electric cars our institute offers charging stations for e-cars. Pedestrian pathways cycling tracks, and other storage spaces for bike and scooter users are the highlight of our plans to reduce carbon emissions. Navoi State University prioritizes a good state of the environment and takes measures to promote sustainability throughout our campus. Therefore, carbon footprint is regularly tracked by the institute and we pay attention to taking actions to reduce carbon emissions. For example, there was a bigger parking zone with a capacity of 1 50 cars in the territory of the institute 4 years ago. Due to the new environmental policy of the institute, the parking area has decreased in size.



Waste Management at Navoi State University



Waste Management at Navoi State University

To promote sustainability and reduce environmental impact, Navoi State University has established an active Waste Management Team that implements a comprehensive 3R (Reduce, Reuse, Recycle) program across the campus. This structured initiative aims to minimize waste generation, encourage responsible consumption, and ensure proper recycling practices.

1. Reduce

The university focuses on minimizing waste production through education and digitalization. The Waste Management Team regularly organizes awareness campaigns, seminars, and workshops to educate students and staff on the importance of waste reduction, using various social media platforms to enhance outreach. Navoi State University encourages digital alternatives, such as online assignment submissions and academic record-keeping through the HEMIS platform, to reduce paper usage. Furthermore, to tackle food and plastic waste, the institute promotes composting and recycling of organic and toxic waste and collaborates with local food banks to donate surplus food. In addition, all staff members are provided with reusable glasses to minimize single-use plastics.

2. Reuse

To extend the life of materials and resources, NSPI has established a Campus Reuse Center, where students and staff can donate or collect reusable items such as furniture, supplies, and clothing. The institute also operates a paper recycling project that gives new life to used paper. Moreover, the Waste Management Team conducts repair workshops that teach students practical skills to fix and reuse items, including clothing, electronics, and furniture, instead of discarding them.

3. Recycle

The recycling component of the program ensures that all recyclable waste is properly collected, sorted, and processed. Clearly labeled recycling bins are distributed across campus, and the institute cooperates with local waste management services to ensure efficient and environmentally friendly recycling.

Through these integrated actions, Navoi State University demonstrates a strong institutional commitment to waste reduction and sustainable campus management. The 3R program not only helps to protect the environment but also cultivates ecological awareness and responsible behavior among the university community, aligning with the goals of the GreenMetric “Waste” category.



Inorganic Waste Management at Navoi State University



Navoi State University consistently strives to manage inorganic waste on campus through effective, safe, and sustainable strategies. The university's Waste Management Team has developed a structured system to handle, recycle, and dispose of materials responsibly, ensuring minimal environmental impact and maximum efficiency.

1. Color-Coded Waste Bins

To facilitate proper waste segregation, color-coded bins are installed across all campus areas for different types of waste, such as metals, glass, and plastics. Each bin is clearly labeled with signage to guide users and improve recycling efficiency. This approach encourages the university community to participate actively in responsible waste disposal.

2. Recycling Programs and Partnerships

NSPI has established partnerships with local recycling facilities, notably "Utilizatsiya.uz" (<https://utilizatsiya.uz/>), which regularly collects and processes inorganic waste generated by university laboratories and other departments. Additionally, the Waste Management Team conducts awareness campaigns to educate students and staff about recyclable materials and proper recycling procedures.

3. Collection and Storage Management

The institute follows a scheduled collection system to ensure regular pickup of recyclable materials and prevent waste overflow or contamination. In collaboration with local partners such as Navoi Stim UI and Utilizatsiya.uz, NSPI maintains designated waste storage areas to keep inorganic materials safely contained until they are transported for processing.

4. Reuse and Repair Initiatives

To minimize waste generation, the Waste Management Team organizes collection and donation drives for reusable items such as electronics and furniture. The institute also hosts repair workshops to teach students practical skills for fixing and reusing items rather than discarding them, thereby extending product life cycles and reducing landfill waste.

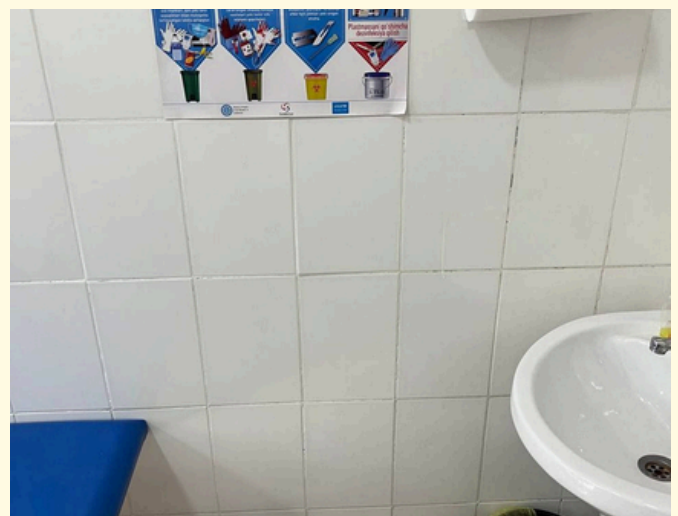
5. Education, Engagement, and Incentives

The institute actively promotes environmental education through seminars and campaigns that encourage sustainable behavior. Reward-based programs are also introduced to recognize departments or individuals who demonstrate effective waste management and recycling practices.

6. Monitoring and Feedback

Regular waste audits are conducted to monitor waste generation levels, evaluate recycling efficiency, and identify areas for improvement. The results of these assessments are used to enhance existing waste management strategies and promote continuous progress toward sustainability goals.

Through these comprehensive efforts, Navoi State Pedagogical Institute ensures a systematic and sustainable approach to inorganic waste management, reflecting its strong commitment to the GreenMetric "Waste" category objectives and broader environmental responsibility.



Water Management at Navoi State University



Navoi State University has developed and implemented a comprehensive Water Management Policy aimed at reducing water usage, promoting sustainability, and educating the campus community about the importance of water conservation. This policy ensures that water resources are managed responsibly through systematic planning, infrastructure improvement, and awareness initiatives.

1. Assessment and Planning

To monitor and improve water efficiency, Navoi State University has established a dedicated Water Audit Team responsible for regularly assessing water consumption across all campus facilities. Based on audit results, the team sets clear and measurable goals to reduce water use and identifies areas where conservation strategies can be strengthened.

2. Awareness and Education

Recognizing that behavioral change is key to sustainability, the institute conducts educational programs, seminars, and awareness campaigns to inform students and staff about the significance of water conservation and encourage responsible usage in daily campus life.

3. Infrastructure Improvements

NSU continuously upgrades its infrastructure to enhance water efficiency. The institute has installed low-flow faucets, showerheads, and toilets throughout campus facilities to reduce water consumption. Additionally, smart irrigation systems have been implemented to optimize water use for landscaping, ensuring that plants receive only the amount of water they need.

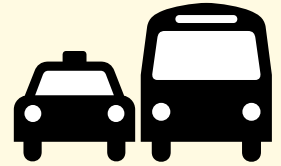
4. Rainwater Harvesting

In alignment with sustainable water management practices, rainwater harvesting systems are installed in almost all campus buildings. Rainwater is collected from rooftops, parking lots, and other impermeable surfaces and directed into underground reservoirs or closed water tanks. The harvested water is then filtered and used for non-potable purposes, such as garden irrigation, toilet flushing, and landscape maintenance, helping to conserve the main water supply.

Through these well-coordinated initiatives, Navoi State University demonstrates its strong commitment to sustainable water management and environmental stewardship. The university's integrated approach supports the objectives of the GreenMetric "Water" category by combining efficient infrastructure, community education, and innovative water-saving technologies.



Transportation



Navoi State University is strongly committed to promoting sustainable, safe, and inclusive transportation across its campus. Recognizing the importance of mobility and accessibility for students, faculty, and staff, the institute has developed a comprehensive transportation system that supports environmental sustainability, energy efficiency, and social well-being.

The campus shuttle service serves as the core of NSU's transportation network. Buses operate on fixed routes that connect key campus areas, including academic buildings, administrative offices, dormitories, research facilities, and parking zones. Each shuttle route follows a scheduled timetable, helping passengers plan their trips effectively. Moreover, real-time tracking systems are available through the institute's official website, allowing users to monitor bus locations and estimated arrival times.

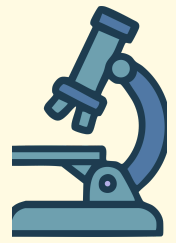
To ensure accessibility for all, NSU has equipped its shuttles with special facilities for individuals with disabilities, including ramps and designated seating. The entire shuttle system is institutionally funded, which means that students and staff can use the service free of charge, thereby promoting equal access to transportation regardless of economic background.

The shuttle service provides several significant advantages. First, it enhances convenience and safety by connecting all key campus locations and reducing the need for long walking distances, especially during extreme weather or late hours. This measure also contributes to campus security, as fewer individuals walk alone at night. Second, the service supports cost-effectiveness by decreasing reliance on personal vehicles, thus saving expenses related to fuel, parking, and maintenance for the university community.

These well-lit and landscaped paths not only enhance accessibility but also support physical health and environmental sustainability. The university also plans to introduce bicycle parking areas and awareness programs to promote cycling as an eco-friendly mode of transport.



Education and Research



At Navoi State University, sustainability education is a core component of campus life and academic culture. The university recognizes that creating awareness and fostering active engagement are essential for building a sustainable future. To this end, university regularly organizes a wide range of sustainability events that promote environmental responsibility, community collaboration, and practical action among students, faculty, and staff.

These events include workshops, lectures, seminars, and panel discussions that address pressing environmental topics such as climate change, waste management, biodiversity conservation, and energy efficiency. Through these interactive sessions, participants gain valuable knowledge and practical skills—such as composting, recycling, and energy-saving techniques—that empower them to make informed, sustainable choices both on campus and in their personal lives.



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By participating in such activities, members of the university community are encouraged to adopt environmentally friendly behaviors and contribute to achieving the institute’s broader sustainability goals, including carbon neutrality, resource efficiency, and waste reduction. These events also serve as a platform to showcase NSU’s sustainability achievements, highlight innovative student-led projects, and inspire continued progress toward a greener and more responsible future.

Through education, engagement, and collaboration, Navoi State University continues to cultivate a culture of sustainability that aligns closely with the objectives of the GreenMetric “Education and Research” category.



Achievements in last years in Navoi State University related to sustainability

Over the past few years, Navoi State University has made significant progress in promoting environmental sustainability and introducing innovative green technologies across the campus. These achievements reflect the institute's ongoing dedication to energy efficiency, environmental protection, and sustainable campus management.

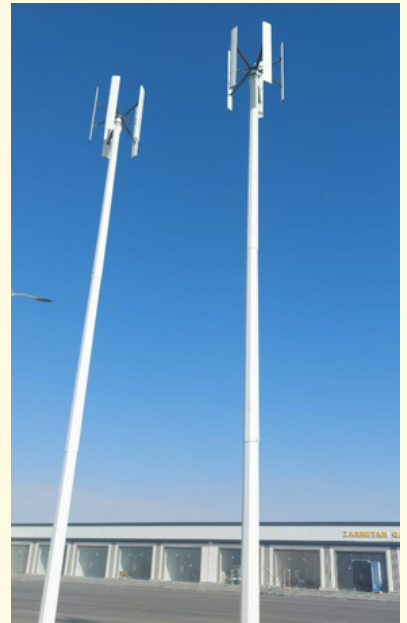
To reduce carbon emissions and encourage the use of renewable energy, NSU has installed **wind-powered systems** that contribute to the generation of clean electricity for selected campus facilities. Additionally, solar-powered boilers have been implemented in dormitories, covering the total hot water supply needs while significantly lowering energy consumption.

In alignment with the global shift toward **eco-friendly transport**, **electric vehicle (EV) charging stations** have been set up on campus to promote the use of electric cars among staff and visitors. These stations serve as an important step toward sustainable mobility and reduced dependence on fossil fuels.

To minimize waste and improve recycling practices, NSU introduced modern **vending machines** designed to reduce single-use packaging by offering refillable options and collecting recyclable materials. Furthermore, a **water recycling machine** was installed to reuse greywater for non-potable purposes, such as irrigation and cleaning, thereby conserving fresh water resources.

In addition, the university continues to expand green zones, plant trees, and implement waste segregation systems with color-coded bins across campus. The Waste Management Team also works closely with local partners like Utilizatsiya.uz to ensure safe recycling and disposal practices.

These sustainability achievements highlight NSU's strategic approach to environmental responsibility — combining innovation, education, and practical solutions to create a cleaner, greener, and more sustainable university campus.



Conclusion

In conclusion, Navoi State University remains deeply committed to integrating sustainability into every aspect of its academic, operational, and community activities. Through continuous improvements in energy efficiency, water conservation, waste management, sustainable transportation, and environmental education, the institute is taking meaningful steps toward creating a greener, more responsible campus environment.

Our initiatives—ranging from renewable energy implementation and eco-friendly infrastructure to sustainability-oriented research and awareness campaigns—reflect our dedication to both local and global environmental goals. Each action contributes not only to reducing our ecological footprint but also to inspiring students, staff, and the wider community to adopt sustainable practices in their daily lives.

NSU's sustainability journey is ongoing and evolving. With strong institutional support, active student participation, and strategic partnerships, we aim to further enhance our sustainability performance in the coming years. By aligning our goals with the principles of the UI GreenMetric World University Rankings, NSU reaffirms its vision of becoming a leading educational institution that promotes environmental stewardship, social responsibility, and sustainable development in Uzbekistan and beyond.





Navoi State University
<https://nsuni.uz/>

