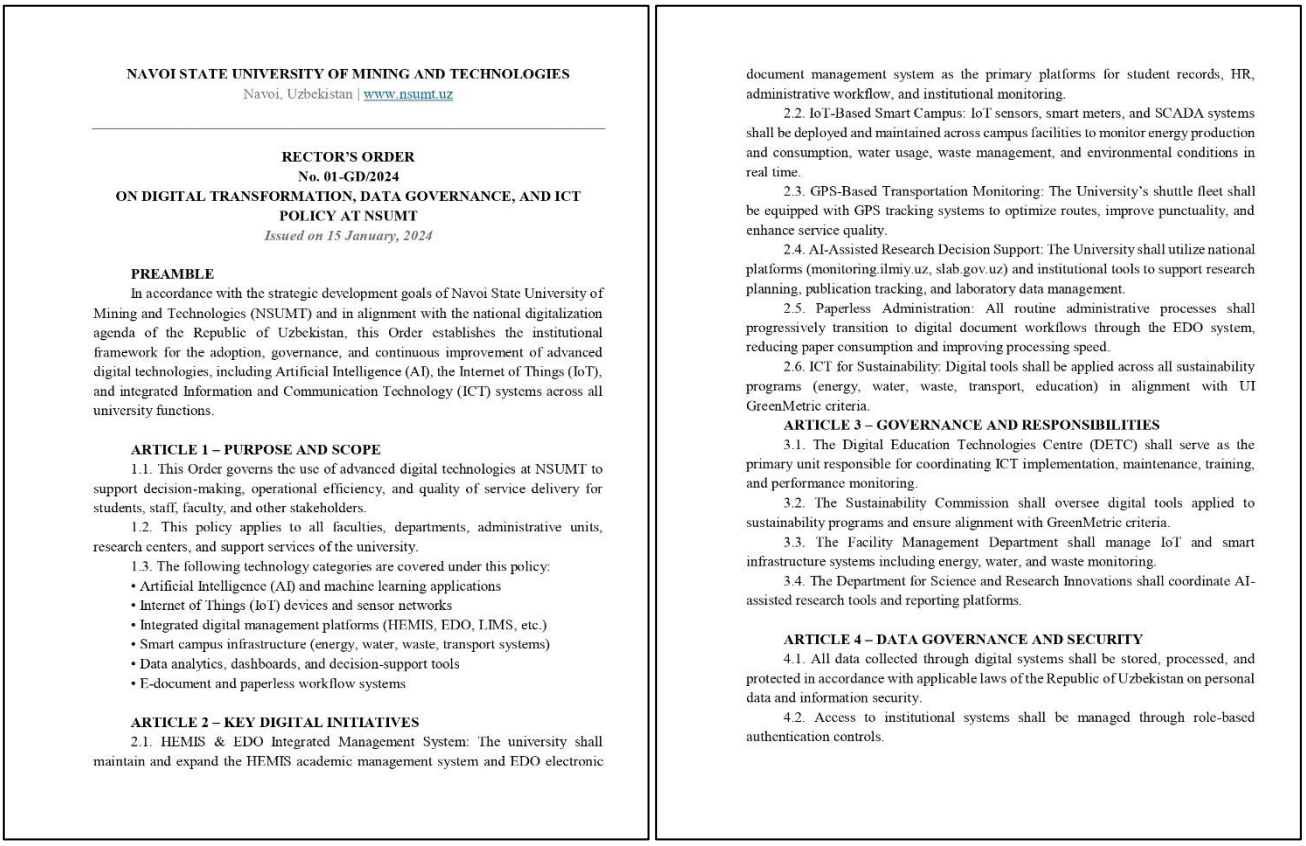
University: Navoi State University of Mining and Technologies
Country: Navoi, Uzbekistan
Web Address: https://www.nsumt.uz/

[7] Governance and Digitalization (GD)

[7.14] Compliance with the General Data Protection Regulation (GDPR) or Equivalent National Data Protection Regulations (GD.8)



NAVOI STATE UNIVERSITY OF MINING AND TECHNOLOGIES
Navoi, Uzbekistan | www.nsumt.uz

RECTOR'S ORDER
No. 01-GD/2024
ON DIGITAL TRANSFORMATION, DATA GOVERNANCE, AND ICT POLICY AT NSUMT
Issued on 15 January, 2024

PREAMBLE

In accordance with the strategic development goals of Navoi State University of Mining and Technologies (NSUMT) and in alignment with the national digitalization agenda of the Republic of Uzbekistan, this Order establishes the institutional framework for the adoption, governance, and continuous improvement of advanced digital technologies, including Artificial Intelligence (AI), the Internet of Things (IoT), and integrated Information and Communication Technology (ICT) systems across all university functions.

ARTICLE 1 – PURPOSE AND SCOPE

1.1. This Order governs the use of advanced digital technologies at NSUMT to support decision-making, operational efficiency, and quality of service delivery for students, staff, faculty, and other stakeholders.

1.2. This policy applies to all faculties, departments, administrative units, research centers, and support services of the university.

1.3. The following technology categories are covered under this policy:

- Artificial Intelligence (AI) and machine learning applications
- Internet of Things (IoT) devices and sensor networks
- Integrated digital management platforms (HEMIS, EDO, LIMS, etc.)
- Smart campus infrastructure (energy, water, waste, transport systems)
- Data analytics, dashboards, and decision-support tools
- E-document and paperless workflow systems

ARTICLE 2 – KEY DIGITAL INITIATIVES

2.1. HEMIS & EDO Integrated Management System: The university shall maintain and expand the HEMIS academic management system and EDO electronic document management system as the primary platforms for student records, HR, administrative workflow, and institutional monitoring.

2.2. IoT-Based Smart Campus: IoT sensors, smart meters, and SCADA systems shall be deployed and maintained across campus facilities to monitor energy production and consumption, water usage, waste management, and environmental conditions in real time.

2.3. GPS-Based Transportation Monitoring: The University's shuttle fleet shall be equipped with GPS tracking systems to optimize routes, improve punctuality, and enhance service quality.

2.4. AI-Assisted Research Decision Support: The University shall utilize national platforms (monitoring.ilmiy.uz, slab.gov.uz) and institutional tools to support research planning, publication tracking, and laboratory data management.

2.5. Paperless Administration: All routine administrative processes shall progressively transition to digital document workflows through the EDO system, reducing paper consumption and improving processing speed.

2.6. ICT for Sustainability: Digital tools shall be applied across all sustainability programs (energy, water, waste, transport, education) in alignment with UI GreenMetric criteria.

ARTICLE 3 – GOVERNANCE AND RESPONSIBILITIES

3.1. The Digital Education Technologies Centre (DETC) shall serve as the primary unit responsible for coordinating ICT implementation, maintenance, training, and performance monitoring.

3.2. The Sustainability Commission shall oversee digital tools applied to sustainability programs and ensure alignment with GreenMetric criteria.

3.3. The Facility Management Department shall manage IoT and smart infrastructure systems including energy, water, and waste monitoring.

3.4. The Department for Science and Research Innovations shall coordinate AI-assisted research tools and reporting platforms.

ARTICLE 4 – DATA GOVERNANCE AND SECURITY

4.1. All data collected through digital systems shall be stored, processed, and protected in accordance with applicable laws of the Republic of Uzbekistan on personal data and information security.

4.2. Access to institutional systems shall be managed through role-based authentication controls.

4.3. The university shall conduct annual ICT security reviews and update access policies accordingly.

ARTICLE 5 – PERFORMANCE MONITORING AND REVIEW

5.1. An annual ICT Performance Review shall be conducted by the Digital Education Technologies Centre each October to assess the effectiveness, coverage, and impact of all digital systems.

5.2. Key Performance Indicators (KPIs) shall be defined for each digital initiative and tracked via dashboards and institutional reporting systems.

5.3. Stakeholder feedback shall be collected annually through online surveys and used to improve digital services.

5.4. Results of the review shall be reported to the Rector and used to update the Digital Transformation Roadmap.

Rector of the University
Dr. Bakhtiyor Mardonov, professor

Description:

Navoi State University of Mining and Technologies demonstrates full compliance with the national data protection legislation of the Republic of Uzbekistan – equivalent to the principles of the General Data Protection Regulation (GDPR) – through a comprehensive, institution-wide data governance framework established by Rector's Order No. 01-GD/2024, issued on 15 January 2024. This framework is fully implemented across all faculties, departments, administrative units, and digital systems of the university, and is continuously monitored, improved, and communicated to all stakeholders.

At the governance and policy level, NSUMT has issued a formal Rector's Order No. 01-GD/2024 on Digital Transformation, Data Governance and ICT, which constitutes the university's official institutional data protection framework. This order is approved at the highest institutional level, applies to all university units and digital systems, and explicitly mandates that all data collected through digital systems shall be stored, processed, and protected in accordance with the applicable laws of the Republic

of Uzbekistan on personal data and information security (Article 4.1). The policy upholds principles of lawful, fair, and transparent processing, purpose limitation, data minimization, and security, fully aligned with international GDPR standards. The order is publicly issued and accessible to ensure transparency for all students, staff, partners and the public.

To ensure accountability and oversight, the Rector's Order (Article 3) designates specific responsible units for data governance: the Digital Education Technologies Centre (DETC) serves as the primary body coordinating ICT implementation, maintenance, training, and performance monitoring; the Sustainability Commission oversees digital tools applied to sustainability programs; and the Facility Management Department manages all IoT and smart infrastructure systems. Access to all institutional systems is managed through role-based authentication controls (Article 4.2), and annual ICT security reviews are conducted to update access policies (Article 4.3). This multi-unit accountability model ensures clear reporting lines and defined data governance roles across all academic and administrative departments.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

https://gov.uz/uz/adliya
https://lex.uz/uz/
https://nsumt.uz/