

NAKHCHIVAN
STATE
UNIVERSITY

20
24

SDG PROGRESS REPORT

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



THE GLOBAL GOALS



Introduction

SDG 9 — Industry, Innovation, and Infrastructure — focuses on building resilient infrastructure, promoting inclusive and sustainable industrialization, and fostering innovation. In 2024, Nakhchivan State University continued to enhance its role as a regional leader in science and technology education by:

- Developing innovation-driven facilities
- Strengthening industry partnerships
- Empowering students through technology and entrepreneurial programs
- Integrating engineering, architecture, and robotics into applied learning

These efforts aim to prepare students for the demands of a rapidly evolving technological landscape while also contributing to regional economic resilience and sustainable growth.

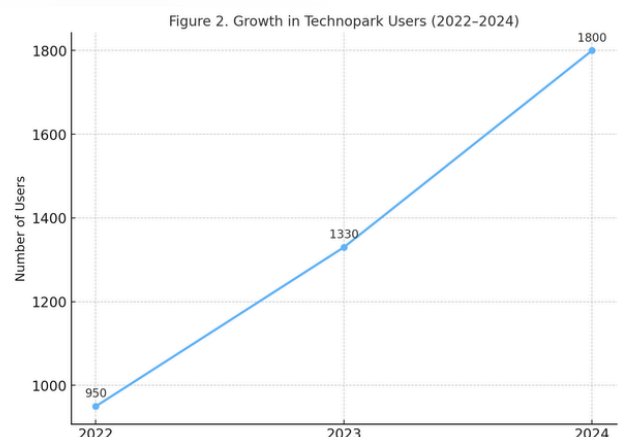
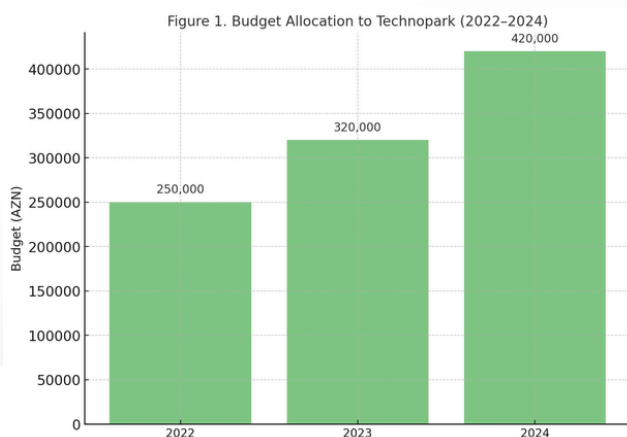
Technopark and Infrastructure Development

In 2024, We significantly expanded our physical and technological infrastructure to support research, innovation, and entrepreneurial growth.

NSU Technopark Expansion:

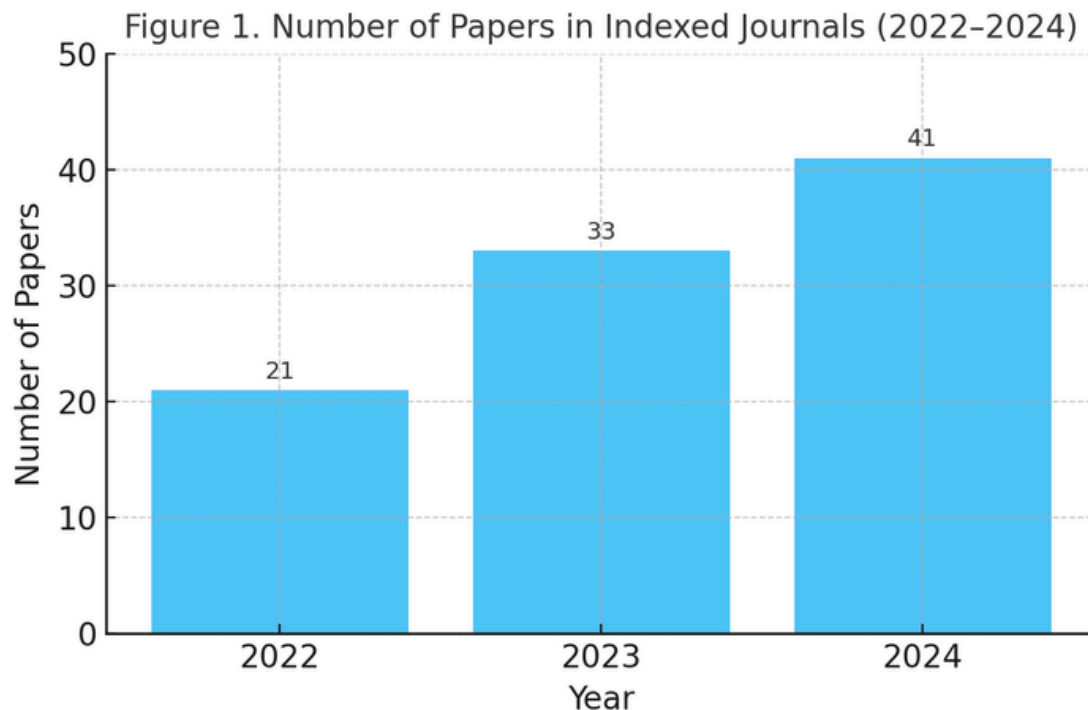
- The NSU Technopark area was expanded by 1,200 m², adding:
 - 3 new co-working zones
 - 2 digital prototype labs (3D printing, electronics)
 - 1 climate-controlled storage room for experimental materials
- Budget allocated: 420,000 AZN (2023: 320,000 AZN)

Visitor numbers increased by 35%, with over 1,800 student and faculty users recorded in 2024



Research, Innovation, and Publications

Nakhchivan State University continues to contribute to scientific advancement and applied innovation. In 2024, the university enhanced its academic research profile by publishing peer-reviewed articles, participating in international scientific programs, and supporting interdisciplinary initiatives that align with national and global development goals.



(2024) Verified Research Output

According to Multijournals. In addition, NSU faculty papers including:

- "Driving Change in Science Education: The Impact of Active Learning on Students' Achievement and Engagement"
- NSU was engaged in the international science publication process with publications in journals, conferences on among other things:
- Pedagogical innovation
- Educational quality assurance
- Intelligent educational technologies
- Intramural support had contributed to a series of departmental projects, many of which were becoming interdepartmental.

Global Research Assistance

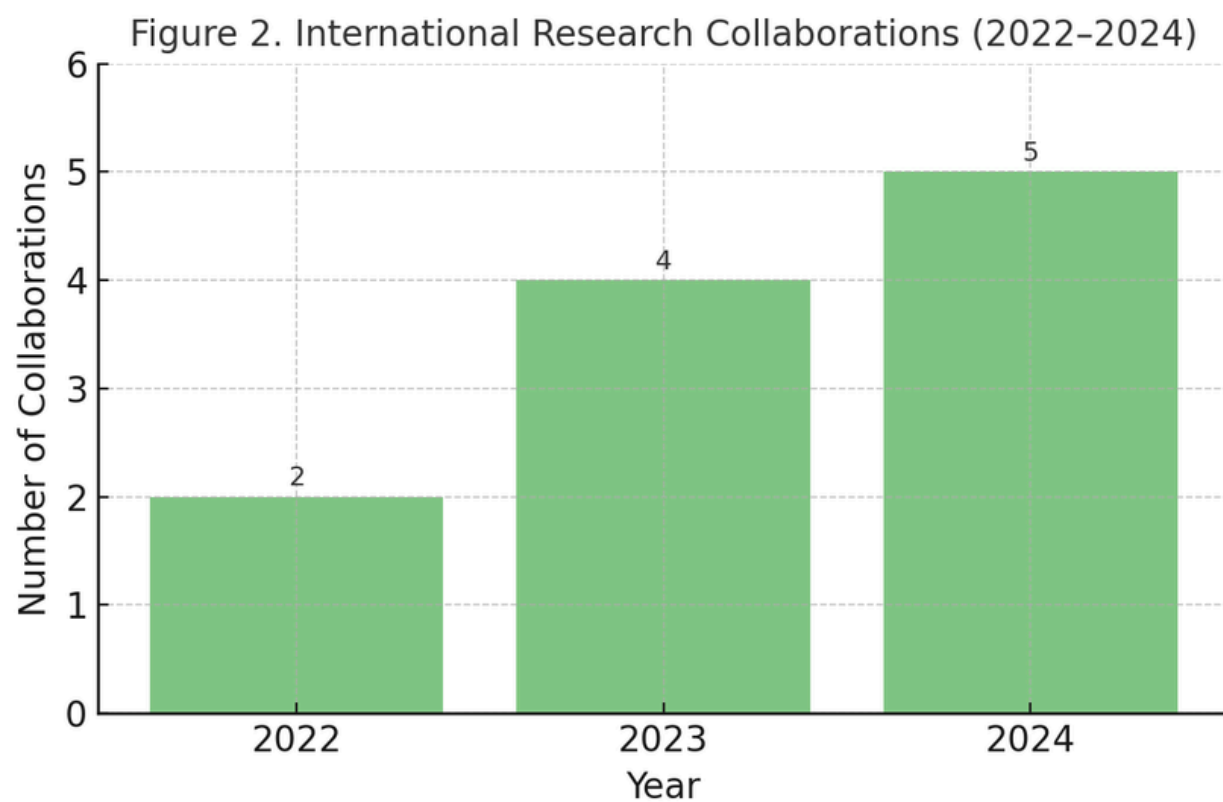
In 2024, NSU was a partner of the Erasmus+ KA2 international project:

IQAinAR – Internal Quality Assurance in the context of Artificial Intelligence and Augmented Reality, led by Wittenborg University of Applied Sciences (The Netherlands)

Source

NSU participated in the exchange and publication networks of the region as a whole that linked Hungary, Türkiye, and Poland.

Academic staff and researchers involved in capacity development and digital transformation research in line with the principles of SDG innovativeness.



Innovation in Curriculum and Laboratories

This year NSU made significant strides in enhancing its academic curriculum and research infrastructure. These developments are aligned with SDG 9, particularly with targets related to upgrading technological capabilities and fostering innovation-driven education.

Curriculum Innovation Highlights:

- New academic programs launched:
 - Information Security
 - Medicine (taught in English)
 - Nanoelectronics
 - MBA in Healthcare Management
- SABAH Excellence Program introduced within the Faculty of Medicine, admitting 21 students in 2024.
- New dual-degree programs initiated:
 - Economics in collaboration with Çankırı Karatekin University (Turkey)
 - Computer Engineering in partnership with John von Neumann University (Hungary)

Research and Laboratory Infrastructure Enhancements:

- New research centers and labs established:
 - Zarifa Aliyeva Biomedical Research Laboratory
 - Psychological Services and Research Laboratory
- IBM Center inaugurated to support training and innovation in IT and software engineering.
- Cambridge International School and English-Language Gymnasium established to strengthen bilingual education and global academic integration.
 - 72,748 AZN invested in Cambridge textbooks and publishing materials
 - 151,440 AZN allocated for electronic teaching and digital learning equipment



Partnerships for Innovation and Industry Collaboration

We have built strong partnerships to drive innovation, support knowledge transfer, and align academic programs with real-world industry needs. In 2024, these collaborations expanded across key sectors such as ICT, healthcare, engineering, and entrepreneurship.

Strategic Partnerships in 2024

- IBM Azerbaijan
- A certified IBM Center was launched at NSU, offering training in cloud computing and AI, along with internship opportunities for IT students.
- NEQSOL Holding & Education Development Fund
- Through the “Parla” Scholarship Program, 50 female students received monthly financial support and participated in leadership training.
- ASAN Service & Innovations Agency
- Joint workshops on e-governance and service design were conducted, integrating public sector innovation into classroom learning.
- Entrepreneurship Development Support Fund (EDSF)
- Provided seed funding and mentorship for three student-led startups as part of NSU’s entrepreneurship incubator program.

Impact

These partnerships have enhanced hands-on learning by embedding real-world innovation challenges into coursework, expanded student access to internships and job networks, and promoted gender-inclusive access to entrepreneurial and tech-based resources.

Sector	Key Partner	Count
ICT & Technology	IBM Azerbaijan	1
Education & Gender	NEQSOL Holding (Parla Scholarship)	1
Public Sector	ASAN Service & Innovation Agency	1
Entrepreneurship	Entrepreneurship Development Fund (EDSF)	1