

2024

NATIONAL UNIVERSITY

# 'ZAPORIZHZHIA POLYTECHNIC'

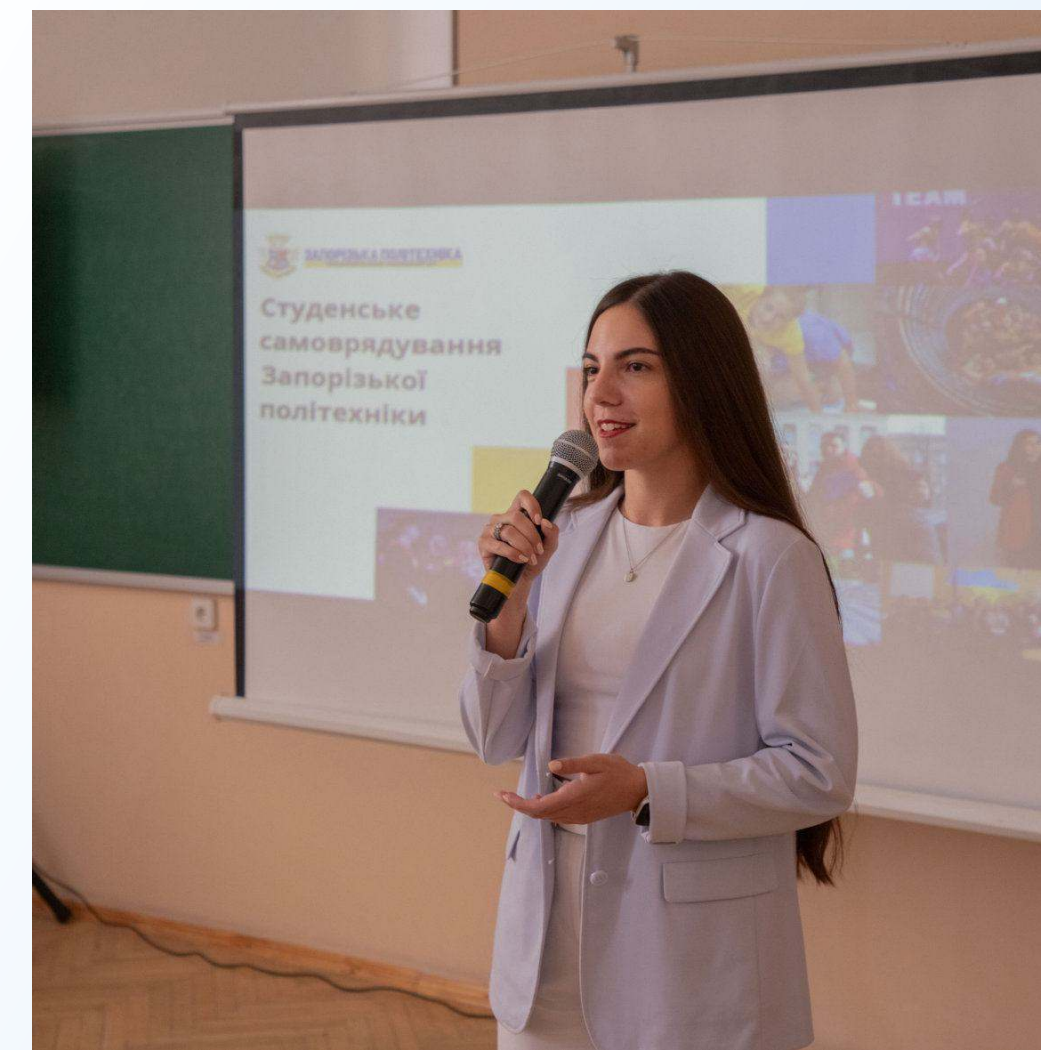


# National University 'Zaporizhzhia Polytechnic' is a European higher education institution



# Efficiency of the management system

- Involvement of a wide range of employees in the implementation of strategic goals
- Involvement of young people and promising employees in university management to form a personnel reserve
- Modernization of the university structure: formation of a rational staff number
- Improvement of the system of rating comprehensive evaluation of the performance of the research and teaching staff



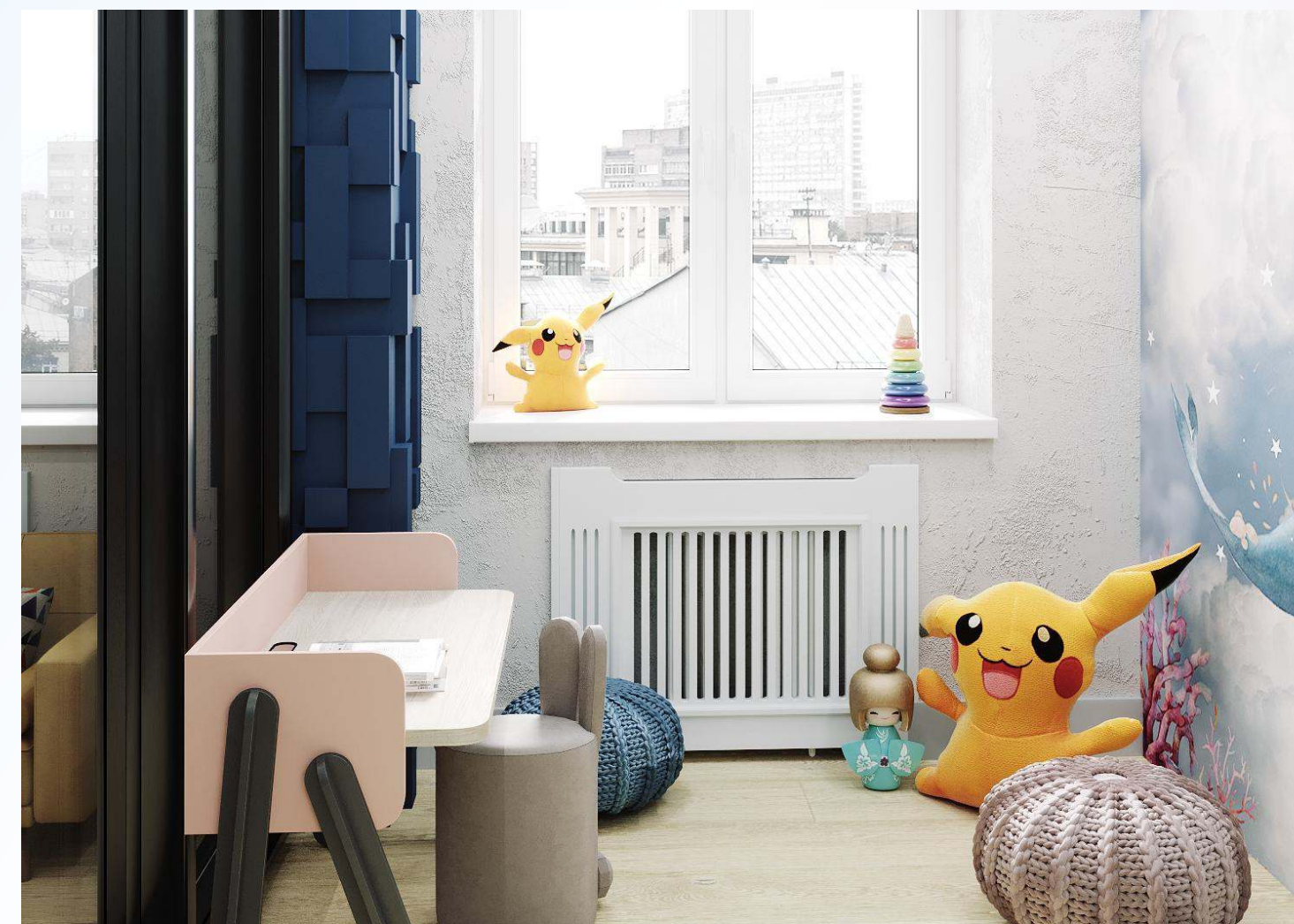
# Creation of innovative classrooms for classes in a mixed format within grant projects

## USAID Public Trust Project — 2 176 000 UAH

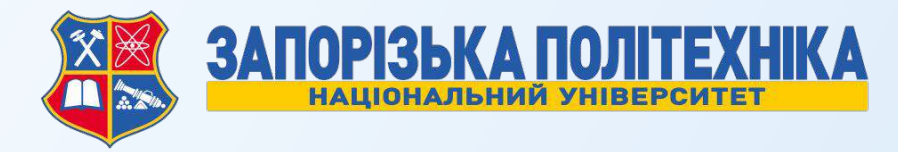
— Ensuring a continuous educational process for internally displaced persons

## Project ‘Improving Higher Education in Ukraine for Results’ — 11 million UAH

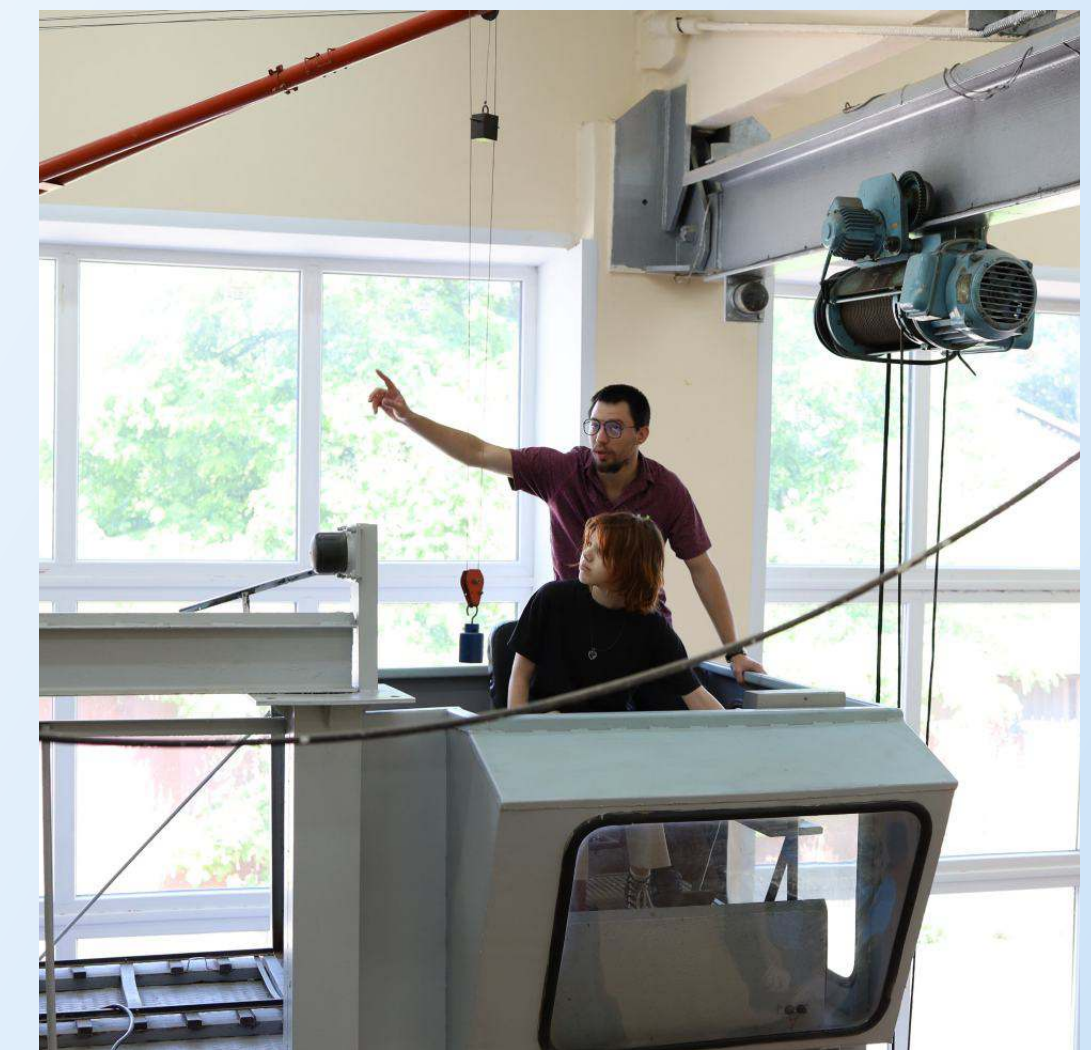
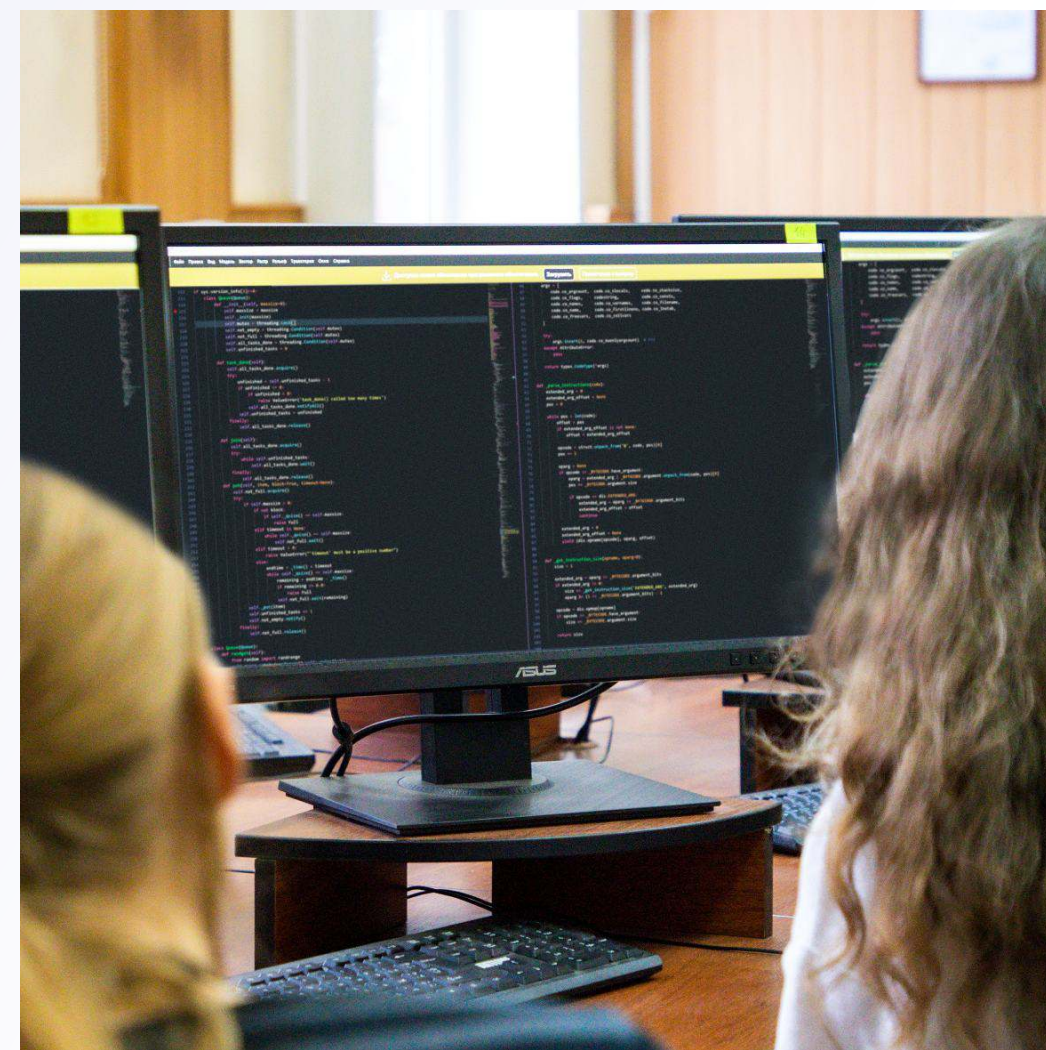
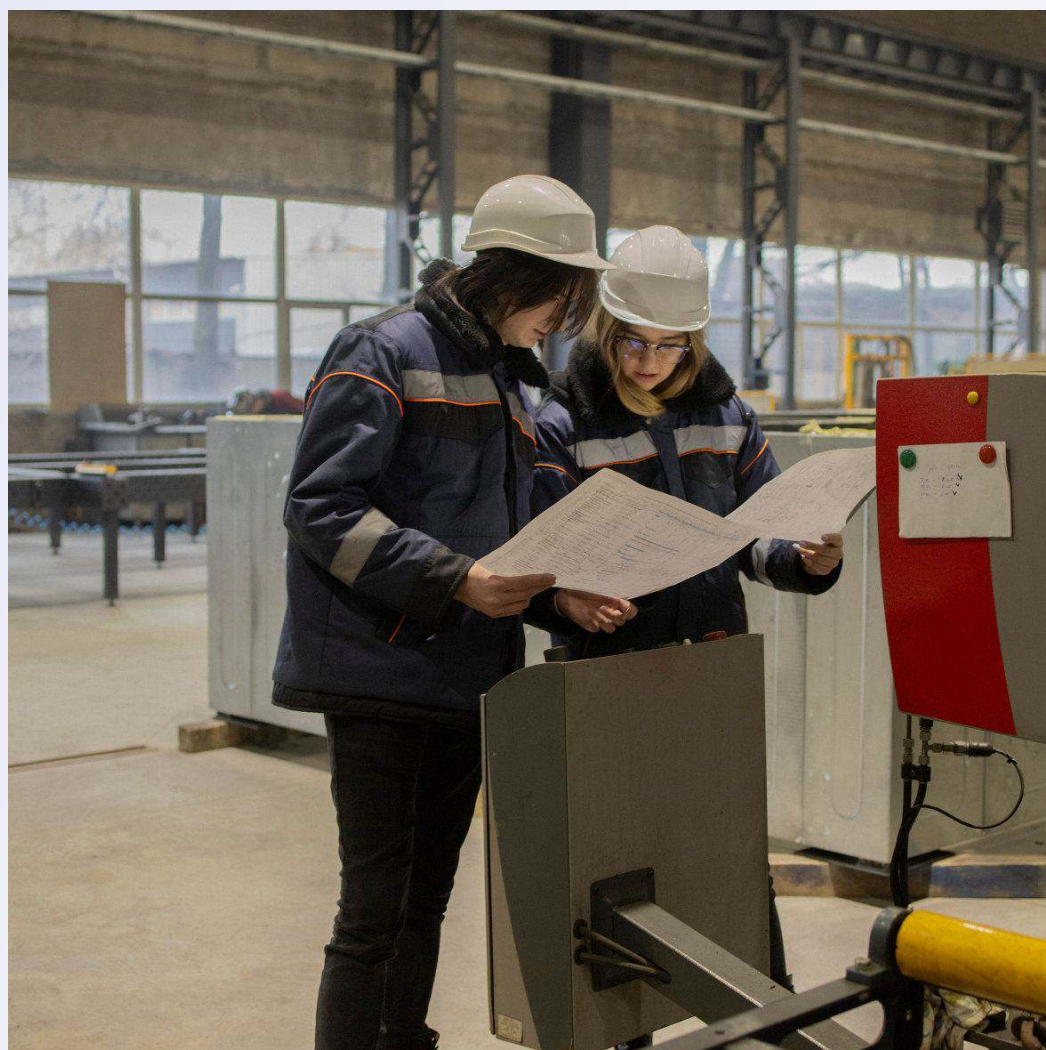
— Purchase of server equipment to create a university data center for software sharing



# Ways to improve the quality of education

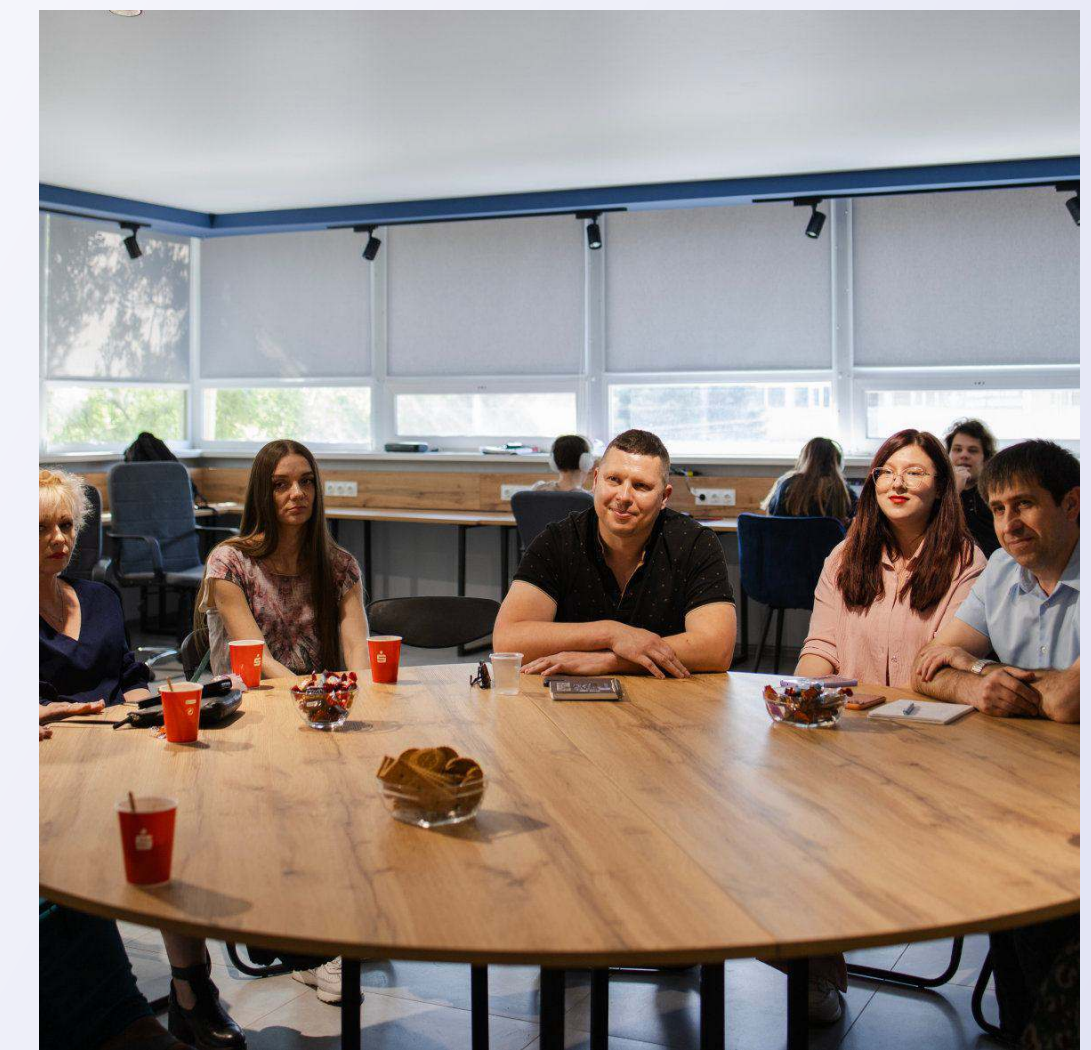
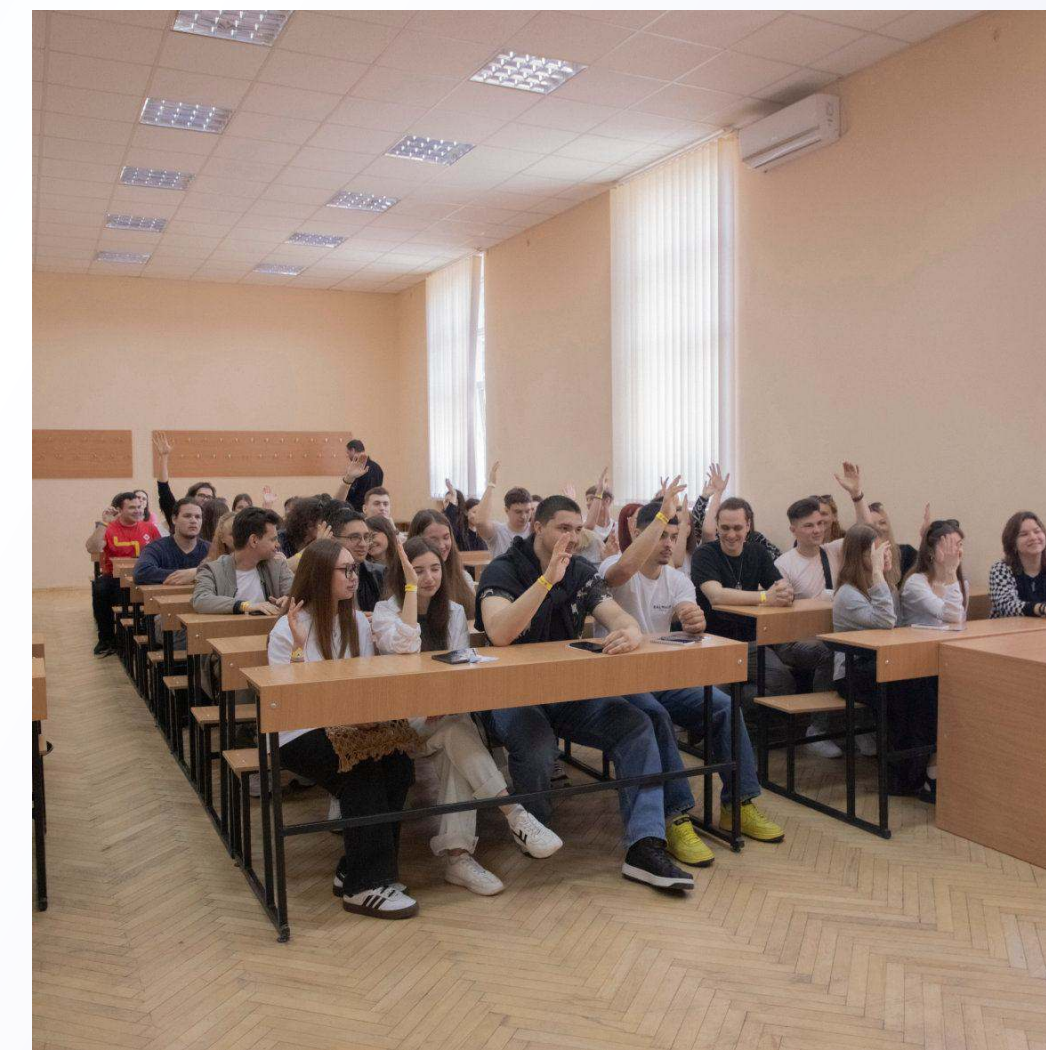
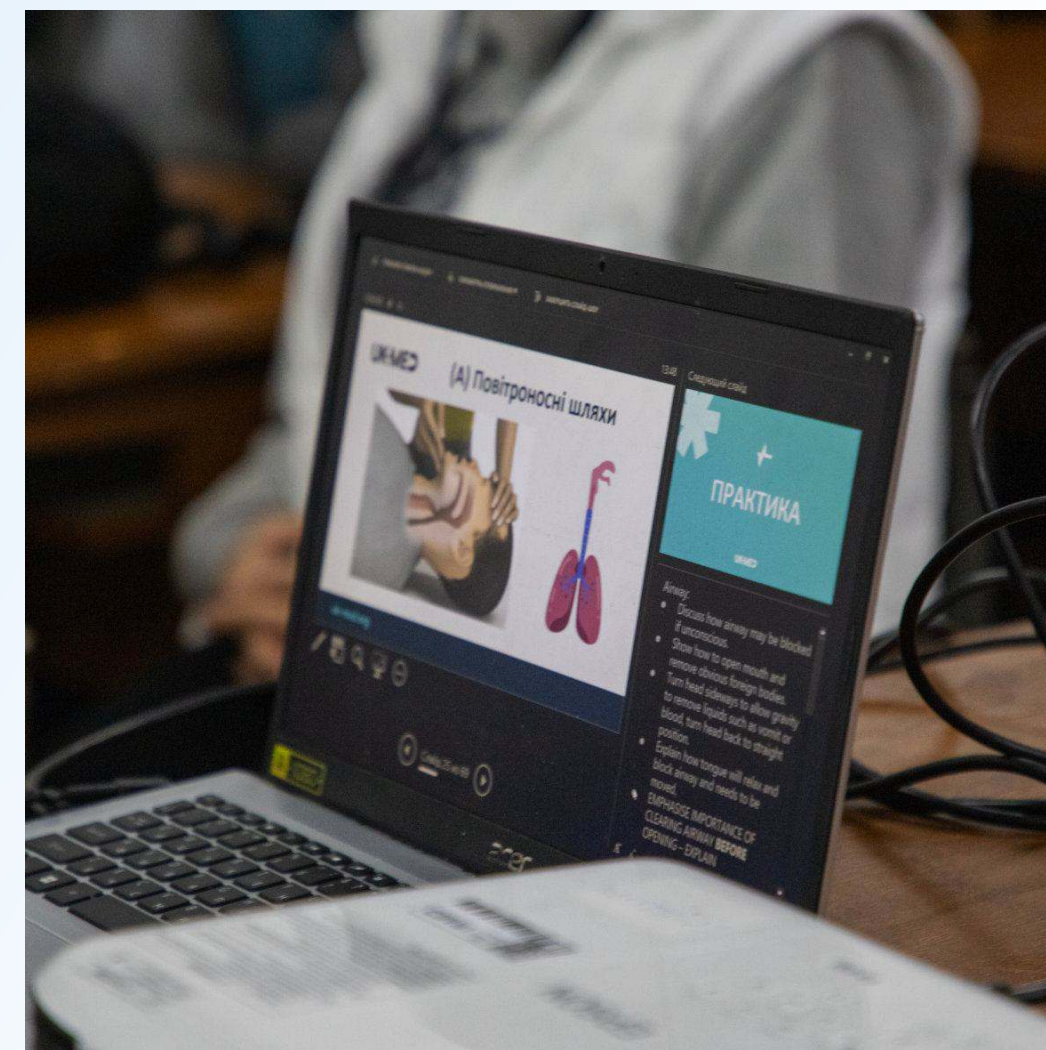


- Implementation of an independent assessment system in the session period
- Expanding the list of selective fundamental and professional disciplines adapted to the current requirements of employers and modern realia
- Improving the quality of teaching materials with the active implementation of the results of modern scientific research



# Ways to improve the quality of education

- Creating video content with a presentation of disciplines and expected learning outcomes
- Expanding the dual form of education
- Involvement of leading Ukrainian scientists, practitioners, industry experts, and employers in the educational process and research activities
- Development of non-formal education



# Commercialization of scientific activity



NPC by the Horizon Europe program



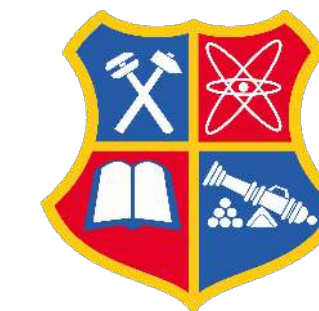
Increasing the number of research projects funded by the Ministry of Education and Science



Increasing scientific projects funded by the National Research Foundation




Science Park of the National University 'Zaporizhzhia Polytechnic'




# National University 'Zaporizhzhia Polytechnic' is appointed as a basic institution for the establishing of the National Contact Point (NCP) within the EU program 'Horizon Europe'

 Support Ukraine's integration into the European Research Area and intensification of mutually beneficial scientific, technical, and innovative cooperation with the European Union

 Informing about EU programs in the field of science, technology and innovation

 Raising awareness of the public, small and medium-sized enterprises about the opportunities of the Horizon Europe and Euratom programs

 Providing free consulting assistance in finding co-executors for projects, organizing good governance, legal and financial issues, customs procedures and other issues



# Science park

 development of scientific, technical and innovative activities

 intensification of development, production, and implementation of competitive products

 creation of starting conditions for scientists, postgraduates, students, and graduates planning to open their spin-off companies

 creation of new and keeping of existing jobs

# Creation of a system of evaluation and encouragement for researchers based on the results of scientific activities

The following amount of payments is provided:

- **0.5 salary** per team of authors for publications indexed in 2023
- **1 salary** per team of authors for publications included in Q1-Q2, indexed in the first half of 2024
- **0.75 salary** per team of authors for publications included in Q3-Q4 or conference proceedings indexed in the first half of 2024
- **0.25** of the official salary for the team of authors of a utility model
- **0.15** of the official salary for the team of authors of the copyright registration certificate for a work

# Project European Digital Innovation Hub within the framework of the EU Digital Europe Program (2021-2027)

## Thematic areas of activity of ZP EDIH:

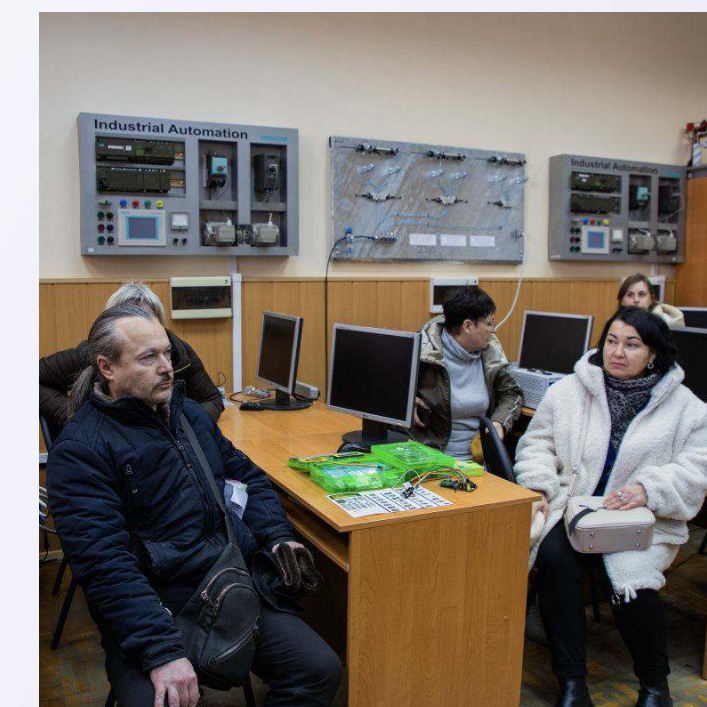
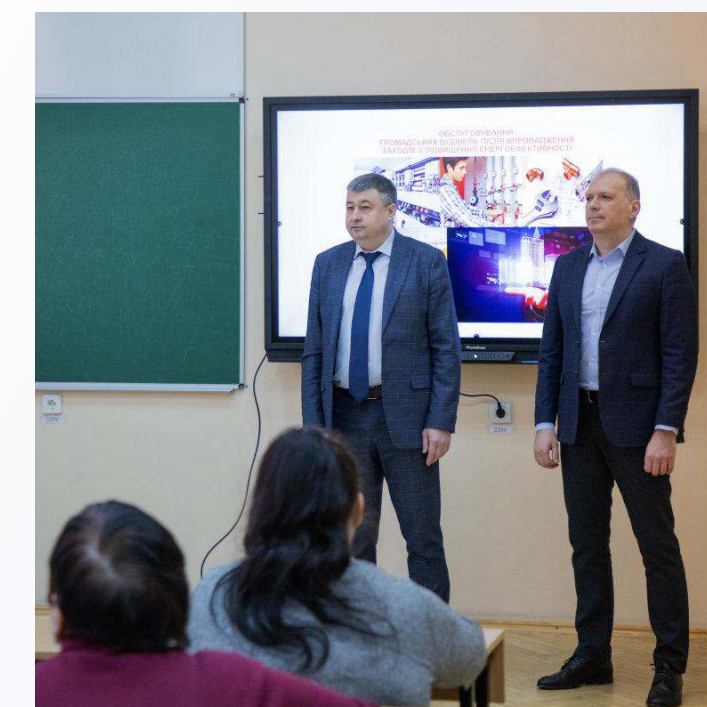
- cybersecurity
- artificial intelligence and high-level digital skills (engineering and mechanical engineering)
- programming of industrial robots and CNC machines
- work in CAD-CAM-CAE systems
- renewable energy
- VR Technologies
- digital twins
- remotely piloted vehicles
- smart home systems



# Energy Innovation Hub project within the framework of the project “Energy Efficiency Reforms in Ukraine”

- Creation of a training space for the implementation of energy efficiency initiatives
- A communication center for employers and potential employees on energy efficiency, energy saving, and renewable energy sources
- Development of the start-up movement
- Training of 1-3 level energy managers of enterprises, institutions, establishments and organizations of Zaporizhzhia city territorial community and certified energy auditors
- Research activities, industrial simulators, open management, multi-control

**The project implementation requires certain modernization of educational spaces to meet modern requirements for inclusion, provision of innovative equipment for the introduction of the latest advanced technologies worth a total of 2.7 million UAH**



# Innovative activities

 SMART City — creating a modern urban environment

 Centre for experiments

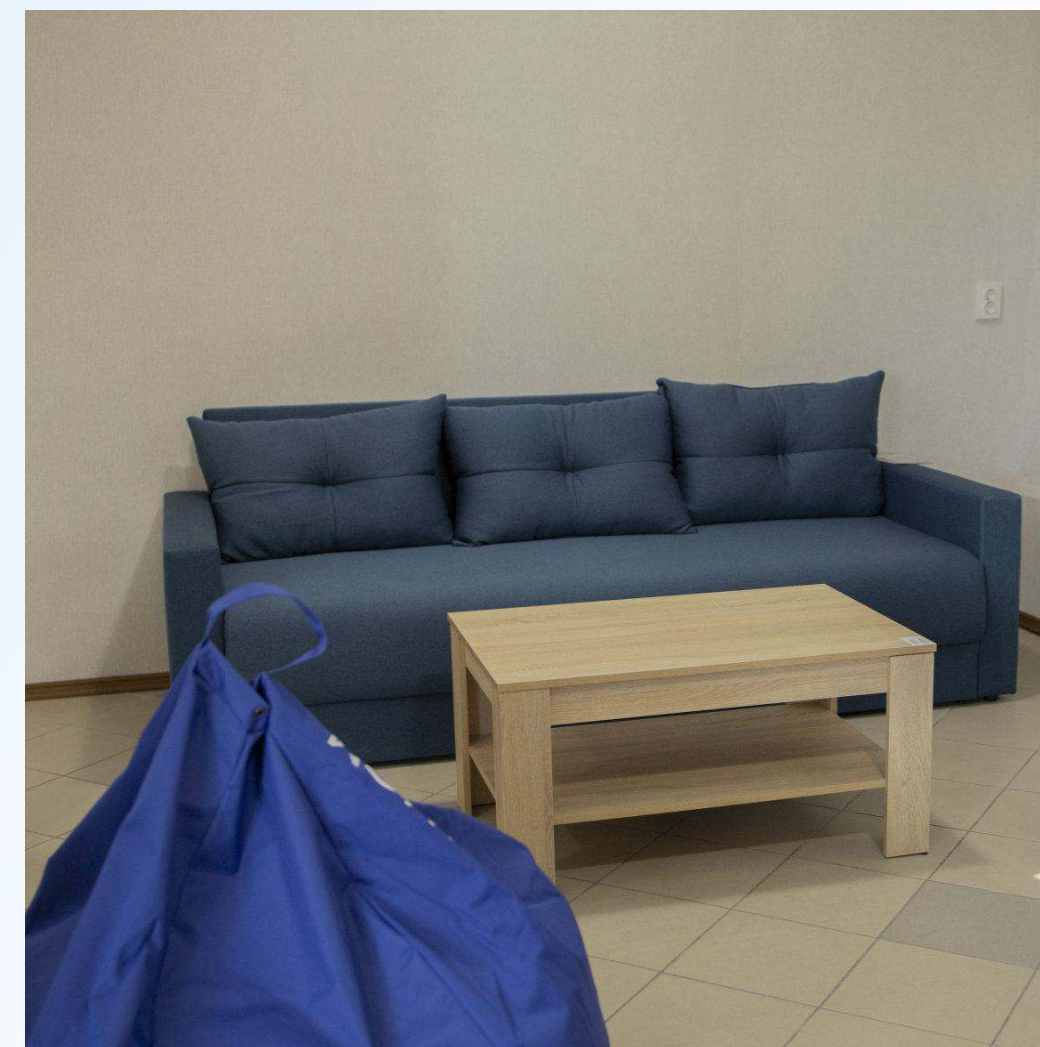
 Creating a digital laboratory with Crédit Agricole Bank

 Regional Innovation Hub project

 Creation of the Polytechnic Innovation IT Cluster

# Development of the Infrastructure

- Cogeneration units with further creation of a laboratory of renewable energy sources
- Systematic renovation of university premises
- Registration of ownership of the land plot next to the College of Computer Science
- Expanding the inclusivity program
- Creation of additional educational spaces
- Renovation of the material and technical base
- Energy audit of university premises for implementing the project 'Higher Education of Ukraine' in the field of energy efficiency



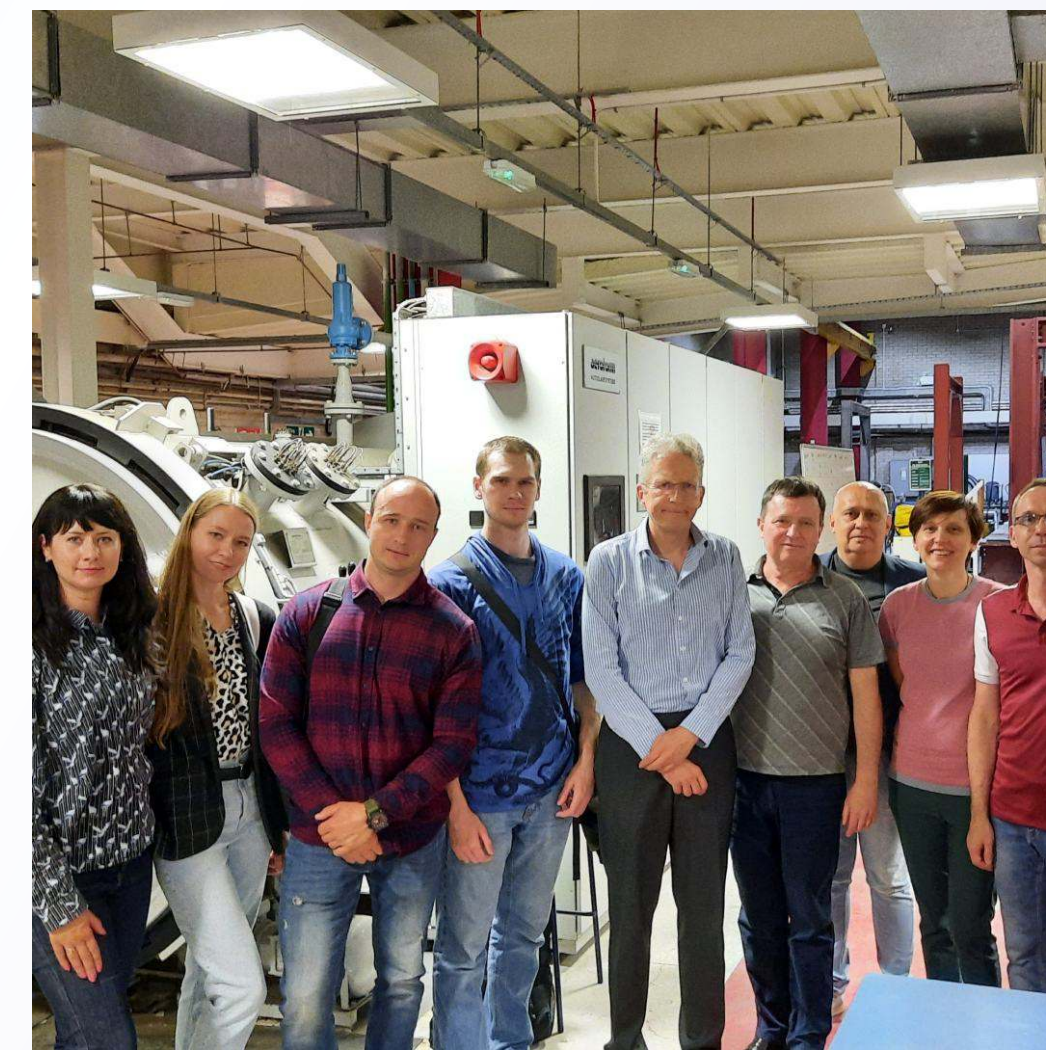
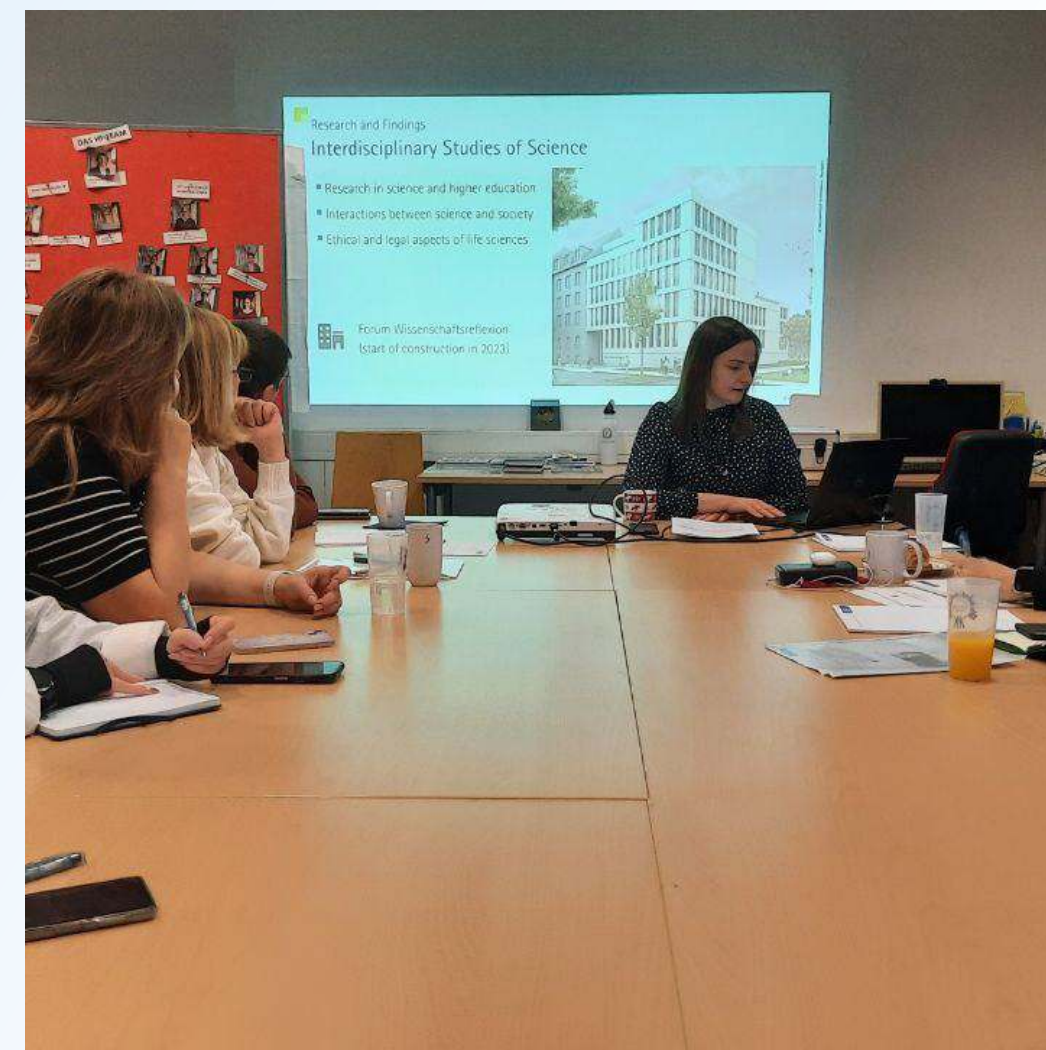
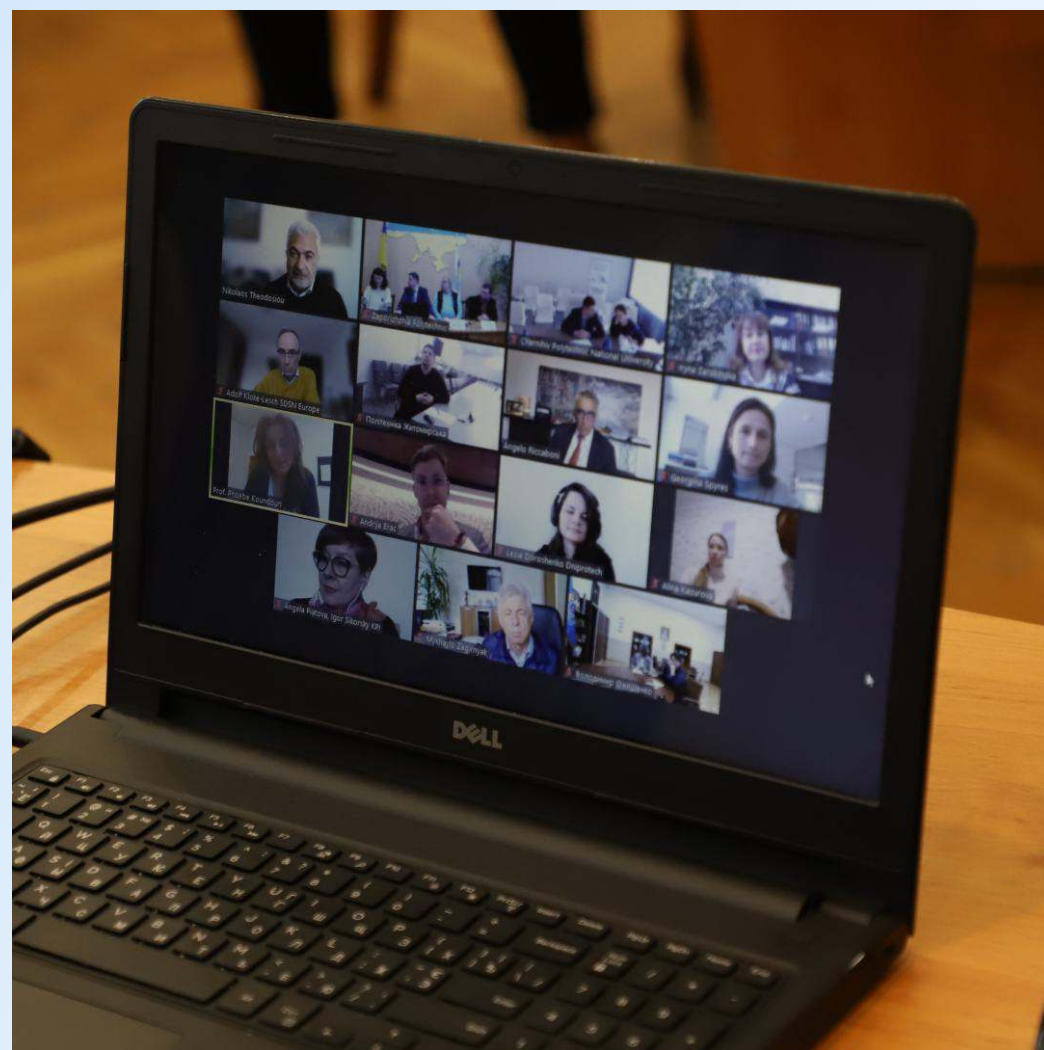
# Internationalization of the National University 'Zaporizhzhia Polytechnic'

- Expansion of cooperation with foreign educational institutions, scientific institutions and international organizations
- Increasing the number of foreign students
- Expanding the list of educational program with English as the language of instruction



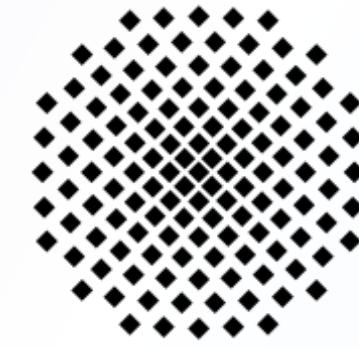
# Internationalization of the National University 'Zaporizhzhia Polytechnic'

- Introduction of double degree program with the University of Stuttgart
- Implementation of PhD programs together with the University of Amberg-Weiden
- Expanding academic mobility of students, postgraduates, research and teaching staff





# Continuation of cooperation



Universität Stuttgart



Politechnika  
Wrocławska



Politechnika Łódzka



POLITECHNIKA  
LUBELSKA

# Erasmus+ program and Jean-Monet directions

The main areas of the Erasmus program in which we need to intensify our work:

👉 learning mobility

👉 cooperation between organizations and institutions

👉 support to policy development and cooperation

# Continuation of cooperation



CAD/CAM MES  
Software & Services

DAAD

+ Casus Pax



# Support for the students' movement

- START-UP with Zaporizhzhia Polytechnic
- Development of youth science, activities of the STSA
- All-Ukrainian forum with international participation 'Science for Youth-2024'
- Educational youth hub 'FREETIME'
- Students' sports

