

# Strategic Development Program of NJSC «D.Serikbayev East Kazakhstan Technical University» for 2023-2029

Approved by the decision of the Board of Directors (Protocol №8 on 3 February 2024)

Chairman of the board - Rector  
Rakhmetullina S.Zh.

Ust-Kamenogorsk, 2023



## MISSION:

*We create a high-tech future by integrating education, science and industry*

## VISION:

*EKTU: Research Technical University - a center for advanced engineering education and high-tech research*

## UNIVERSITY VALUES

### INDIVIDUAL RESPECT



respectful attitude towards people regardless of gender, race, ethnicity, social and professional background

### HONESTY



commitment to the principles of honesty and morality

### ECOLOGICAL CULTURE



understanding the value of every element of the living world around and assessing your actions in terms of possible consequences for the well-being of the planet

### DEVELOPMENT AND OPEN-MINDEDNESS



the desire for continuous development and improvement in all aspects of its activities

### TEAMWORK



cooperation and proactivity, maximum team involvement

**DEVELOPMENT PROSPECTS FOR 2029:****A1c Academic Excellence:**

D.SERIKBAYEV EKTU is ranked **TOP # 800** in **QS WUR**:

At least **43%** of **EP** in **TOP 10** national and **TOP 500** global subject ratings.

High-quality **contingent** - at least **7,000** students.

**2 Scientific and technological breakthrough:**

The **citation rate** of scientific articles (**Scopus**) is **3.8** per 1 faculty member (excluding self-citation).

The **International Research Network (IRN) Index** is **4,9**.

Income from scientific activities, innovative developments and commercialized projects is at least **20%** of the total budget of the university.

**3 University is a territory of well-being:**

A modern management system based on international standards (**ISO 9001, ISO 37001, ISO 31000, ISO 27001, ISO 37101, ESG, CDIO**), which has passed **international certification** Satisfaction of teaching staff and students is not lower than **84%**.

**Green Metric – TOP-80 THE Impact – TOP-600.**

Social responsibility of the university (**Silver University** program).

Employer satisfaction is no less than **90%**.

## ACADEMIC EXCELLENCE

**3** TARGET INDICATOR

**9** KPI

## SCIENTIFIC AND TECHNOLOGICAL BREAKTHROUGH

**3** TARGET INDICATOR

**9** KPI

## UNIVERSITY – TERRITORY OF WELL-BEING

**3** TARGET INDICATOR

**9** KPI

**9 – TARGET INDICATORS, 27 - KPI**



## ACADEMIC EXCELLENCE

3

TARGET  
INDICATORS

9

KPI

### GOAL:

Advanced training of engineers capable of creating and developing new technological areas to achieve international leadership.

### OBJECTIVES:

1. Achieving a high academic reputation and employer reputation.
2. Ensuring equality and accessibility of quality education.
3. Increasing the level of knowledge, professional competencies and effectiveness of SPW.



## ACHIEVEMENT OF HIGH ACADEMIC REPUTATION AND EMPLOYER REPUTATION

- implementation of the university graduate model
- updating the educational trajectory
- involving students in educational processes and projects
- QS WUR - **TOP-800**
- JEP, AEP with partner universities from TOP - 700 ranking QS, innovative EP- **22 %**
- foreign academic mobility of students **-1,4 % (98 students.)**
- MOOC courses- **51 students.**

## INCREASING KNOWLEDGE SPW

- Teaching staff teaching in English - **13,5 % (52 students.)**
- advanced training and foreign internship TS- **69 % (266 people.)**
- attracting foreign experts to teaching activities - **12 % (46 people.)**

## EQUALITY AND ACCESSIBILITY

- Network Engineering School «EKTU Educational Academy» - **265 students.**
- «Leaders in Engineering Education» students under the program LEE- **95 students.**
- students from other regions of the RK Republic of Kazakhstan- **30 %**
- master's and doctoral students from the general population- **15 %**
- foreign students at the university out of the total number of students - **10 %**
- students in non-formal digital literacy education programs aged 6-74 years - **65 students.**
- using meta-learning, flipped classroom, case study
- integral iGPA

## SCIENTIFIC AND TECHNOLOGICAL BREAKTHROUGH

3

**TARGET INDICATOR**

9

**KPI**

### GOAL:

ensuring a leadership position in science among the country's technical universities in terms of the share of publications and scientific results in priority areas of scientific and technological development of the world economy.

### OBJECTIVES:

1. Increasing the scientific potential and research productivity of scientists.
2. Development of international research projects and interdisciplinary collaborations.
3. Diversification of sources of funding for scientific research and strengthening of scientific and innovation infrastructure.



## INCREASING SCIENTIFIC POTENTIAL AND RESEARCH PRODUCTIVITY OF SCIENTISTS

The number of articles and reviews of research and development work in high-ranking publications Q1, Q2 Journal Citation Reports JCR - **35 units**.

- Graduates who defended their doctoral dissertation in the first two years after graduation, of the total number of graduates - **45%**
- Teaching staff engaged in research work - **40%**

## DEVELOPMENT OF INTERNATIONAL RESEARCH PROJECTS AND INTERDISCIPLINARY COLLABORATIONS

Scientists who completed internships in foreign research centers and universities of the total number of teaching staff - **22%**

- International projects and programs of the total number of implemented projects - **15%**
- The number of priority interdisciplinary research areas and groups in the context of individual countries is **19 units**.

## DIVERSIFICATION OF SOURCES OF RESEARCH FINANCING AND STRENGTHENING SCIENTIFIC AND INNOVATION INFRASTRUCTURE

Projects financed from local government and business funds of the total - **35%**

- Financial resources spent on updating educational and scientific equipment - **18%**
- The number of commercialized research projects is **5 units**.



## UNIVERSITY – TERRITORY OF WELL-BEING

3

**TARGET  
INDICATORS**

9

**KPI**

### **GOAL:**

**Formation of an effective university management system that is adaptive to changes, ensuring the harmonious development of the university and the region.**

### **OBJECTIVES:**

- 1. Maintaining a modern management system at the level of world standards.**
- 2. Increasing the satisfaction of students and teaching staff with the quality of educational services and the ecosystem.**
- 3. Ensuring the implementation of the third mission by the university.**



## MODERN CONTROL SYSTEM

- Implementation of a quality management system and an anti-corruption management system (**ISO certificates 9001:2015, ISO 37001:2016**)
- **Creation of an Endowment Fund**
- Implementation of an information security management system and a sustainable development management system (**ISO certificates 27001, ISO 37101**)
- **International accreditation** (University and EP)- **100 %**.
- Development of **personnel policy** aimed at supporting young specialists
- **"Future Capital"** project

## STUDENT AND TEAM SATISFACTION

- Implementation of standards **CDIO** (no less than **50 % of EP**)
- Project implementation EKTU.Otbasy - territory of **wel-being**
- Upgrade of youth policy (involvement in organized public activities - **65%**)
- **Erasmus+** youth policy project
- The level of created conditions for inclusive education at the university is **100%**
- **Alumniproject**
- **Attracting investments for the development of the University - 34.5%**
- Infrastructure improvement
- **Digital University**
- **LuBan Workshop**
- Student and teaching satisfaction in numbers - **84%**

## IMPLEMENTATION OF THE THIRD MISSION BY THE UNIVERSITY

- Silver University program - **160** people.
- THE Impact - **TOP-600**
- Green Metric - **TOP-80**
- Employer satisfaction - no less than **90 %**



THANK YOU FOR YOUR  
ATTENTION!