APPROVED
at the meeting of the Academic Council
of the EITI named after Academician K.Satpayev
on September 27, 2023
(protocol No. 2)
Chairman of the Academic Council
_____ D.M.Sivaraksha

STRATEGIC DEVELOPMENT PLAN EKIBASTUZ ENGINEERING AND TECHNICAL INSTITUTE NAMED AFTER ACADEMICIAN K.SATPAYEV FOR 2023-2027

Ekibastuz

The preface

1 DEVELOPED by the working group

2 INTRODUCED by the management service of the quality management system, standardization and norm control

3 DEVELOPER:
1) D.M.Sivaraksha - Chairman of the working group;
2) D.K.Imangazinova - Deputy Chairman of the working group;
3) B.B.Unaibayev - member of the working group;
4) A.A.Mazhit - member of the working group;
5) B.N.Nurmaganbetova - member of the working group;
6) K.B.Asylova - member of the working group.

4 APPROVED AND PUT INTO EFFECT by the Rector on the basis of the decision of the Academic Council of the Institute dated September 27, 2023, No. 2

5 EXPERTS:
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Content

INTRODUCTION

The Strategic Development Plan (hereinafter referred to as the Program) of the Ekibastuz engineering and technical institute named after academician K.Satpayev (hereinafter referred to as the Institute/EITI) for 2023-2027 has been developed in accordance with the requirements of: The Law of the Republic of Kazakhstan dated July 27, 2007 «On Education», the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 595 «On approval of Standard Rules of activity of educational organizations implementing educational programs of higher and (or) postgraduate education», Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 25, 2018 No. 590 «On approval of the structure and Rules for developing a program for the development of higher and (or) postgraduate education» and the Institute's Charter, Resolution of the Government of the Republic of Kazakhstan on approval of the Concept for the Development of Higher Education and Science in the Republic of Kazakhstan for 2023-2029 dated March 28, 2023 No. 248.

The Institute positions itself as a regional university with a developed infrastructure that trains highly educated, competitive, practice-oriented specialists, in whose educational process employers take an active position.

Further development of the institute requires regionalization of the content of educational programs. Regionalization involves knowledge of the needs of the region and the appropriate adaptation of the educational process to prepare competitive graduates.

1. PASSPORT OF THE INSTITUTE'S DEVELOPMENT PROGRAM

Name of the Program	Strategic development plan of the Ekibastuz engineering and technical institute named after academician K.Satpayev for 2023-2027
The basis for the development of the Program	The need for development is predetermined by the completion of the strategic development plan for 2019-2023 and intensive socio-economic changes, new priorities in the development of the education system and the country as a whole, changes in the system of higher and postgraduate education and the regulatory framework of the Republic of Kazakhstan
Program Developer	I «Ekibastuz engineering and technical institute named after academician K.Satpayev»
Goal	The transformation of the Institute into a key supplier of qualified and sought-after specialists (graduates) who meet the needs of the regional labor market.
Objectives of the Program	– improvement and development of the Institute 's management system; – qualitative growth of human resources; – improving the educational environment of the university in accordance with the priorities of education, science and practice; – development of the quality of the educational process; – material and technical development and informatization of the Institute; – the growth of the quality of the institute 's graduate training; – development of scientific research and innovation activities; – Development of international cooperation; – improvement of educational work; – gradual introduction of AI into the educational process.
Terms and stages of implementation	Years 2023-2027
Sources of financing	The Institute's own funds

2. PROSPECTS OF THE INSTITUTE, TAKING INTO ACCOUNT THE CONCEPT OF DEVELOPMENT OF HIGHER EDUCATION AND SCIENCE IN THE REPUBLIC OF KAZAKHSTAN FOR 2023-2029, THE CURRENT STATE AND LONG-TERM GOALS.

2.1 Prospects of the Institute's development, taking into account the Concept of Higher Education and Science Development in the Republic of Kazakhstan for 2023-2029

The development of the system of higher and continuing education and science is based on the following principles:

- Equality of the rights of all to receive high-quality higher education;
- Accessibility of higher education for the population, taking into account intellectual development, psychophysiological and individual characteristics;
- The continuity of the educational process, ensuring the continuity of its levels; the free choice of an individual learning trajectory and the acquisition of skills and competencies through continuing education;
- Mobility of labor resources – the possibility of changing the profile of activity and parallel vocational education in various areas;
- Prioritization of scientific and (or) scientific and technical activities in order to increase the competitiveness of the national economy; transparency, objectivity and equality of subjects of scientific and (or) scientific and technical activities in obtaining state support;
- The objectivity and independence of the expertise of scientific, scientific and technical projects and programs;
- Integration of science, education, business and production;
- Development of international scientific and scientific-technical cooperation;
- Stimulating the commercialization of technologies in priority sectors of the economy, encouraging and creating conditions for the participation of private business entities in the development of scientific, scientific, technical and innovative activities.

The development prospects of the Ekibastuz engineering and technical institute named after academician K.I.Satpayev, taking into account the Concept of Higher Education and Science Development in the Republic of Kazakhstan for 2023-2029, are based on the following approaches:

1. *Development of higher and postgraduate education. Accessibility of higher and postgraduate education*

The Institute will create conditions for inclusive education and the development of an individual educational trajectory for students with special educational needs. In addition, it is planned to provide inclusive education with a focus on providing the necessary resources and support for students not only with disabilities related to health conditions, but also related to socio-economic status, gender, language of instruction (international students), etc.

In order to preserve the emotional well-being of students and staff of the Institute, create a favorable socio-psychological climate and provide psychological support to students, psychological services will be improved. It is necessary to create a physical and virtual space that takes into account, first of all, the interests and needs of students.

2. Advanced staffing

Business representatives and employers will continue to be involved in the development of educational programs, as well as the integration of the educational process with scientific activities. In order to gain work experience before graduation and improve the quality of employment for graduates, dual training opportunities will be expanded, including on the basis of employers.

3. Development of infrastructure and digital architecture of higher education

Provision of new places in dormitories for students will continue.

The digital architecture of the Institute will consist of a set of infrastructure, applications and technologies that are used to support the educational process, management of educational materials, administrative processes, interaction between students and teachers, and other aspects of the Institute's activities.

A priority task will be the use of open education platforms in the overall process (Coursera, etc.), the transfer of business processes to digital format. Digital competencies will become a mandatory element of all educational and professional standards.

4. Internationalization of higher and postgraduate education

Work will continue to attract foreign teachers and international students to the Institute. It is also planned to further develop double-degree programs, various forms of external and internal academic mobility of students and Teaching staff.

5. The University's third mission

A comprehensive system of student education will be created that meets the goals, content and achievable results of the state policy in the field of education and youth education. Optimal conditions will be provided for the holistic development and self-realization of students' personalities, self-education, self-organization, the development of social experience and social responsibility, the modernization of traditional and the development of new forms, techniques and methods of educational work that meet the new demands of society and the needs of students. The implementation of the educational function will be carried out in unity with educational activities.

The Institute will work to strengthen student self-government bodies (youth affairs committees, student alliances of Kazakhstan, student councils, etc.). To develop leadership skills and oratorical abilities, the debate movement will continue to develop.

The Institute will strengthen the activities of psychological services to provide psychological support to young students in difficult life situations, through consultations, open lectures on the prevention of destructive behavior, drug addiction, ludomania, and Internet fraud.

In addition, the Institute will actively participate in the implementation of socially significant projects, the expansion of types of volunteerism, and the provision of research and technological developments in the region.

6. Science

In order to strengthen the intellectual potential of science, increase the social status of scientists, increase the level of scientific research, scientific and technical potential, the institute plans to hold an annual competition using a rating-point system among the Teaching staff, to assist in the language training of scientists of the Institute who wish to participate in the competitive selection for scientific internships abroad at the expense of the state.

2.2 Prospects of the Institute, taking into account the current state and long-term goals

As the head of state noted in his Address to the people of Kazakhstan dated September 1, 2023: «The educational system must be transformed taking into account the needs of the labor market. A number of sectors of the national economy are experiencing a shortage of personnel, especially in technical and working professions. Therefore, it is necessary to deal with the relevant education in detail. Educational institutions should build long-term partnerships with potential employers».

For the successful implementation of the tasks set, it is necessary to create a new model of the Institute based on the experience of the world's leading universities, an effective management system aimed at training and retraining highly qualified, in-demand personnel and close cooperation with social and business partners in all fields of activity. The Institute is a regional technical university that meets the needs of the economy of the region and the Republic of Kazakhstan. Further development of the institute requires regionalization of the content of

educational programs. Regionalization involves knowledge of the needs of the region and the appropriate adaptation of the educational process to prepare competitive graduates.

The Institute's strategic development plan until 2027 assumes the achievement of the following **four strategic indicators:**

- **Highly recognized academic reputation of the Institute.** The Institute should enter the TOP-10 technical universities of the Republic of Kazakhstan.
- **Professional competence and competitiveness of graduates of the Institute.** Realization of the potential (knowledge, skills, experience, personal qualities) of graduates of the Institute for successful work in professional and social spheres.
- **Economic sustainability of the Institute.** Improvement of the resource provision of the educational process, consistent increase in the level of the average salary of Teaching staff.
- **The effectiveness of the Institute's research activities.** The growth of scientific research activity, the popularity of scientific publications, the number of published articles with a non-zero impact factor, the results of which have found application in real production, as well as in contractual and/or commercialization of research results.

3. THE BLOCK OF ANALYTICAL AND PREDICTIVE JUSTIFICATION OF THE PROGRAM

3.1 Analysis of the Institute's activities, key problems and their causes

Ekibastuz engineering and yechnical institute named after academician K.Satpayev is the only higher education institution and research center for the training of qualified specialists to meet the needs of the labor market of the Ekibastuz fuel and energy region (hereinafter - EFER) of the country with a population of about 150,000 people.

Since 1994, the Institute has trained over 10,000 specialists in 38 specialties.

Since 2001, the Institute has started implementing a credit learning technology that provides students with a choice of an individual educational trajectory and teachers.

Since 2011, a dual form of education has been developed and agreed with employers.

Specialists are trained in the state and Russian languages in 22 bachelor's degree programs.

The Institute has a college that trains mid-level specialists in specialties in demand at the enterprises of the Ekibastuz fuel and energy complex.

The total number of students at the Institute for the 2022-2023 academic year is more than 1,447 people.

The Institute's infrastructure includes 4 academic buildings, a sports complex, 3 dormitories for students and 4 dormitories for staff. The total area of the Institute's educational facilities is 15761.5 м², private dormitories 245.4 м², as well as a rented dormitory 4139.5 м².

During the training, skills and abilities should be formulated that allow graduates of the Institute to optimally integrate into production activities. This is possible only in the conditions of existing enterprises and organizations of the appropriate profile, which is successfully carried out with dual training.

All types of practices are organized at leading EFEC enterprises, which makes it possible to consolidate and develop knowledge and professional competencies at the industrial giants of the industry and economy of the Republic of Kazakhstan.

The Institute harmoniously combines traditional and new forms and methods of teaching, including information technologies based on the use of automated learning systems.

The structure of the Institute is shown in Figure 1.

The number of virtual laboratory complexes used in the educational process was 26 at the end of the 2022-2023 academic year. Due to the systematic acquisition of ready-made virtual works in other organizations, creating their own in the process of graduation design, it is planned to increase their number to 28 units in 2027.

Advanced training of teachers makes it possible to systematically increase modern teaching methods in the educational process step by step to 10% of all types of classes with students.

Currently, about 35% of Teaching staff have been trained in electronic learning technologies.

The Institute has an automated university management system, which ensures transparency of the intermediate and final certification of students and the graduation process.

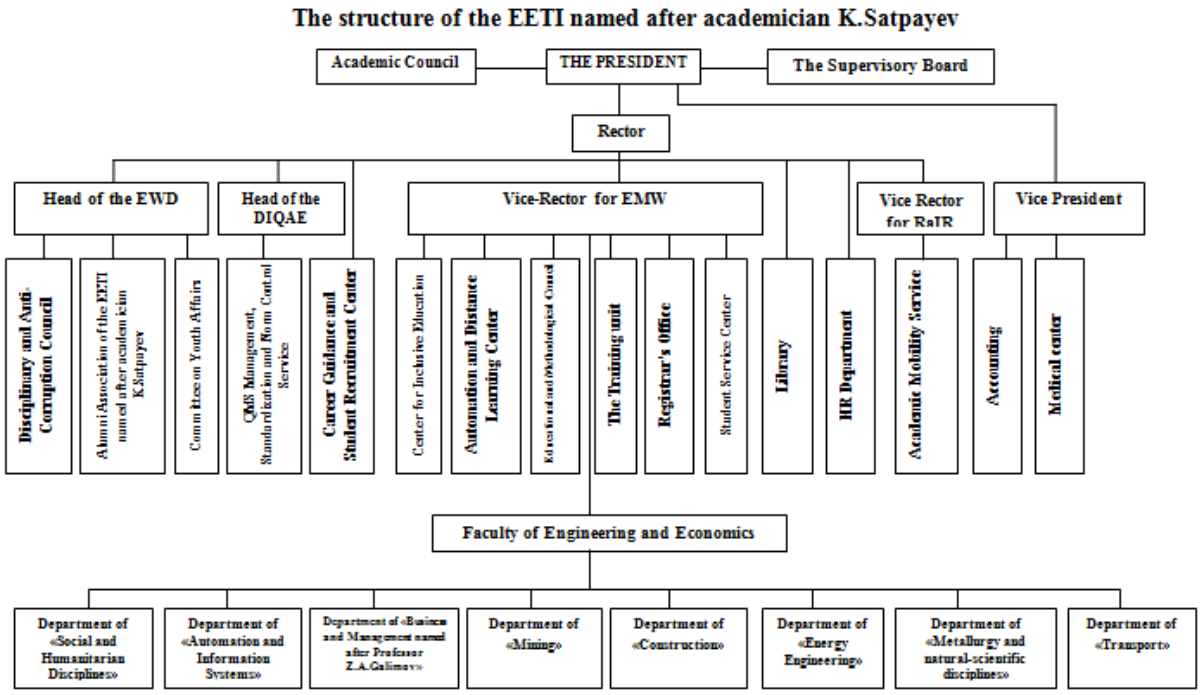

Figure 1. Organizational structure of the Institute

217 computers are connected to a single information network, all of them are connected to the Internet. The educational portal of the Institute is working. In 2023, 2 educational laboratories are equipped with interactive whiteboard kits, and a special virtual laboratory with an interactive whiteboard has been created.

An Automation and Distance Learning Center has been set up for students studying in an abbreviated form of education. The QMS Management, Standardization and Norm Control Service has been organized. In 2023 alone, an additional 36 regulatory documents were developed for various types of activities.

The Institute positions itself as a higher education institution and a scientific community that implements in practice the unity of educational, scientific and innovative processes with the broad involvement of intellectual potential and the material and technological base of its constituent structures and the implementation of a full innovation cycle, which allows:

- to accumulate, generate and broadcast new knowledge for the training of highly professional specialists, turning new technologies into a finished commercial product;
- to satisfy consumers in innovative products and services based on modern knowledge, technologies, and competencies;
- to develop the innovative infrastructure of the region;
- to influence the development of education, science, technology, economics, and the social sphere.

Assessment of key issues based on gradation of external and internal factors:

External factors:

1) low volume of commercialization of scientific developments;
2) lack of financial support from the state;
3) low level of scientific results compared to other developed countries (according to publications in high-ranking scientific journals);
4) a large outflow of young people from the region.

Internal factors:

1) insufficient level of popularization of scientific research among the younger generation, due to the weak development of the institute of continuity.

3.2 Assessment of the Institute's innovation potential

The Institute, as an innovative university, forms key competencies that provide it with relatively stable competitive advantages and the development of which are strategically priority goals of the university, but at the same time the gap between key competencies and other areas and, accordingly, their resource provision do not reduce the effectiveness of the former, and the resulting synergistic effect exceeds the losses from some lagging behind other areas of innovation. The key competence of the Institute is a unique combination of knowledge, results of scientific and technical activities, technologies and intellectual resources.

The key competencies of the Institute as an innovative university are determined by a set of new knowledge, skills, innovative resources and processes that ensure corporate survival in the short term and development in the long term; they are «invisible» to competitors and difficult to reproduce, as they must be greater than the competencies of an individual scientist or research team; they are unique to the university itself; they have It is important when making strategically important decisions that are valuable from a commercial and market point of view; They play a crucial role in improving, developing and improving the quality of basic educational products and educational services.

Innovative activity is characteristic of an Institute aimed at development and self-development as a self-learning and creative organization, the basis of which is the generation and dissemination of knowledge, intellectual capital. Therefore, the purpose of the Institute's innovation activity is to obtain new knowledge focused on solving its problems, which is not centered on knowledge as such, but on creating organizational knowledge through which new knowledge (new products, services or methods) is created within an innovative university and thus provides the basis for innovation. Figure 2 shows a diagram of the analysis of the Institute's innovation potential management system.

The innovation potential of the Institute acts as a subsystem of a higher level and represents:

- a set of resource, reproductive and productive components that, in interaction, ensure the perception and implementation of innovations;
- the set of available resources sufficient to carry out effective innovation activities and determine the maximum possible level of contribution of innovation to improving financial performance, characterizes the university's ability to change, improve, sustainably develop and achieve a new qualitative state; contains unused, potential combinations of resources that can be put into action to implement the university's innovation strategy;

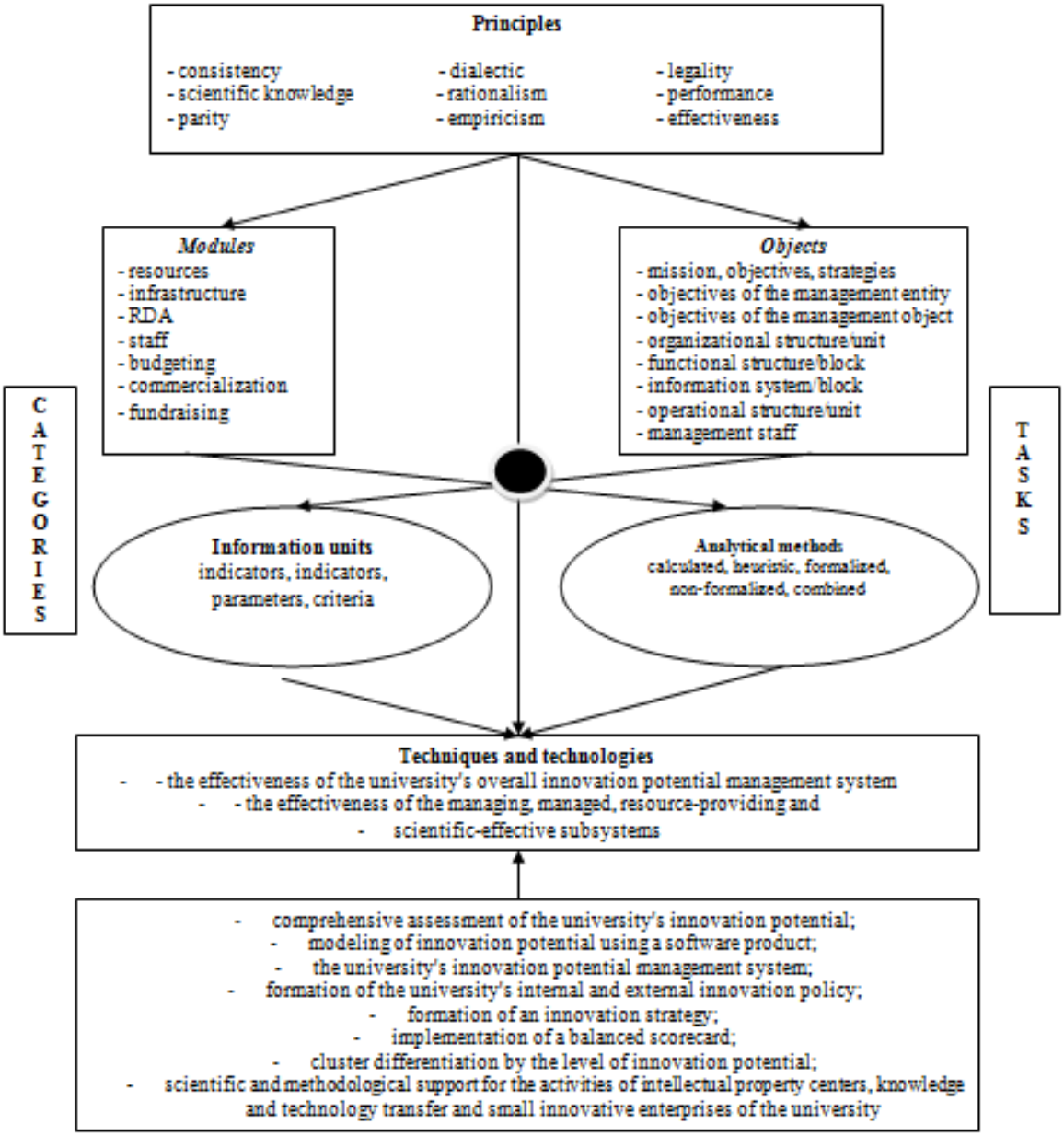

Figure 2. Scheme of the analysis of the Institute's innovation potential management system

- a balanced set of material, technological, research, human, financial, economic, information, intellectual resources, as well as institutional, infrastructural, marketing, investment, communication, etc. components that can be put into action to implement the university's innovation strategy and policy in order to change, improve and further sustainable development based on transformation into a new qualitative state.;

- a balanced set of economic, technological, personnel, research, financial, informational, intellectual, infrastructural potentials, as well as a complex nonlinear function of the potentials of certain types of resources with the maximum possible level of contribution of innovation activity with optimal use of innovative resources.

Thus, the Institute produces three main and main types of products, which, according to its parameters, should be classified as innovations: scientific and technical innovations, innovations in the educational process and specialists, who are the basis for staffing the innovative economy.

3.3 Forecast of labor market trends

World experience shows that a necessary condition for the development of regions is the

presence of strong universities as the basis of educational, scientific, innovative, entrepreneurial and economic systems of the region, the driver and moderator of its development. Timely satisfaction of the current and future needs of the regional economy for relevant specialists in a market economy contributes to a smooth transition of the region to sustainable development. Acting as a locomotive of development in the Ekibastuz industrial region, the Institute actively participates in various national and regional programs and is one of the main «suppliers» of personnel for the innovative development of the region and the country. Teachers, staff and students of the university take an active part in the life of society, in the development of culture, as well as in programs in the field of education and science, industry and economy of the city, region and region.

A regional feature of the labor market is the industriality of the entire Pavlodar region, and the Ekibastuz region in particular. Traditionally, strong sectors in the economy are mining and manufacturing, agriculture, trade, and transport, which are widely represented in the region.

The Institute pays great attention to interaction with employers. The Institute has a Supervisory Board, which includes representatives of the largest employers in the region. Employers are members of working groups to discuss and coordinate the structure and content of educational programs in all areas of training, and also actively participate in the implementation of the practical part of the educational process through practical classes and practical training, which reduces the gap between higher education and the needs of the employer. This allows the Institute to ensure a high level of graduate employment, which is more than 85%, which has been repeatedly noted for its high positions in the ranking of universities conducted by the «Atameken» Scientific and Production Enterprise.

4 THE VISION OF THE PROGRAM

Vision: EETI named after academician K.Satpayev is an institute based on the close integration of education, science and production, the center for scientific, technical and personnel modernization of EFEC.

The definition *of the Institute's mission and vision* is due to the fact that the following integrative features have been the priorities of development over the years:

- a high level of quality education that satisfies society, employers and graduates;
- leading position in the region in conducting fundamental and applied scientific research;
- creation of a special infrastructure for the development of innovations;
- maintaining stable systemic relations with EFEC enterprises to improve the training of specialists and develop innovations;
- improvement of the certification system for scientific and scientific-pedagogical personnel in order to improve the quality and effectiveness of the system of training highly qualified personnel and ensure the reproduction and development of the Institute's human resources;
- the introduction of new educational technologies and principles of the educational process, ensuring the effective implementation of new models and content of continuing education, including the use of modern information and communication technologies;
- integration of the Institute into the global higher education system with the unconditional preservation and development of the best traditions of Russian engineering education and science.

5 THE MISSION OF THE INSTITUTE'S DEVELOPMENT PROGRAM

Mission: Training of competent specialists to meet the requirements of the time, and development of the Institute as a center for scientific and personnel support of Ekibastuz Fuel and Energy Region (EFER).

The main tools facilitating the achievement of this mission are:

- Introduction of modern teaching methods into the educational process;
- Dual education; provision of timely, relevant, and high-quality information;
- Strengthening ties with industrial enterprises;
- Scientific research and in-depth study of various fields of business administration;
- Professional development of the teaching staff;
- International cooperation and academic mobility;
- Development of research activities;
- Practical application of innovations and research developments.

6 THE STRATEGIC BLOCK OF THE INSTITUTE'S DEVELOPMENT PROGRAM

6.1 Place and role in the higher education system

Institution «Ekibastuz engineering and technical institute named after academician K.Satpayev» is a subject of higher professional education in the Republic of Kazakhstan and operates on the basis of the Institute's Charter, registered with the regional Department of Justice, certificate of state re-registration of a legal entity No. 798-1945-16-U-e issued by the Department of Justice, series B No. 0456499.

The Institute was accredited in 2016 by the Independent Kazakhstan Agency for Quality Assurance in Education (IQAA) (Certificate series of the Ministry of Education and Science of the Republic of Kazakhstan dated July 27, 2012 No. BBM-001) in terms of bachelor's degree.

Certificate of institutional accreditation of the Institute with registration number IA No. 0074. Validity period of certificate IA No. 0074: 06/07/2016 - 06/04/2021, date of issue of certificate 06/07/2016

In 2008, according to the rating of the Independent Kazakhstan Agency for Quality Assurance in Education, the Institute ranked 11th among the technical universities of the country.

In 2009, the Institute ranked 15th in the ranking of technical universities of Kazakhstan in terms of academic indicators of specialist training (National Rating of Kazakhstan www.nac.kz).

In 2010, the Institute was awarded the international award «EUROPEN GUALITY» in Oxford, UK. In the same year, the President of the Institute, Professor M.P.Mardenov, was awarded the honorary international award «Intelligence of Nations», Moscow, CIS.

In 2017, the Institute joined the «International Competence Center in Mining and Technical Education», established under the auspices of UNESCO on the basis of St. Petersburg Mining University.

In 2021, the university successfully passed institutional accreditation and accreditation in 11 educational programs, and also received a certificate of Accreditation as a subject of scientific and scientific-technical activity.

In 2021, the University ranked 11th among the best technical universities in the Republic of Kazakhstan according to the national rating conducted by the Independent Agency for Quality Assurance in Education.

In 2023, the Institute was successfully accredited in 6 educational programs, namely Information Systems, Automation and Control, Transport, Transport equipment and Technologies, Economics, Management, Finance.

In 2022, the Institute took the top positions in the ranking of universities conducted by SPE Atameken: Metallurgy (Liquid metallurgy. Metallurgy of ferrous, non–ferrous and rare metals) - 1st place, *Mining* (Open mining of mineral deposits); *Transport, transport equipment and technologies* (locomotives) - 2nd place, *Thermal power engineering* – 3rd place, *Construction; Organization of transportation by rail* – 5th place, *Technological machinery and equipment* (Mining machinery and equipment); *Electric power industry* (Power supply to industrial enterprises and cities; *Automation and control* (Automation and control of technological processes – 7th place.

Eight teachers of the Institute in different years were awarded the state grant «The best University teacher» (B.Zh.Unaibayev, S.K.Moldabaev, L.V.Gorshkova, G.K.Kabdullina, B.Bazarov and others). Three (G.B.Tussupova, Zh.B.Abylkasova, B.N.Nurmaganbetova) were awarded presidential scholarship «Bolashak».

The Institute is the only higher education institution in the Ekibastuz fuel and energy region of the country with a population of about 150 thousand people. It purposefully provides training of highly qualified specialists for enterprises of the Ekibastuz fuel and energy complex and the Republic of Kazakhstan, carrying out scientific research and training highly qualified personnel based on them.

On the basis of general secondary education, school graduates have the opportunity to receive higher professional education. The training period is 4 years.

On the basis of higher education, university graduates receive a second higher professional education. The training period is 2 years.

College graduates have the opportunity to receive higher professional education through an accelerated training program. The training period is 3 years.

Over the years of its existence, more than 10,000 specialists have left the Institute, who successfully work in the Presidential Administration, local administrations, head large enterprises, and become well-known scientists and politicians both in our country and abroad.

In accordance with the University's Charter, the Institute's collegiate governing bodies are the Supervisory and Academic Councils.

The Supervisory Board includes employers and social partners, representatives of public organizations, foundations, associations, and sponsors.

The main tasks of the Supervisory Board are:

- assistance in solving the urgent tasks of the Institute's development and its formation as a training center for highly qualified specialists;
- providing financial support, strengthening the material and technical base of the Institute;
- assistance to the further development of the Institute;
- assistance in the development of fundamental and applied scientific research, integration of educational and scientific processes at the Institute;
- assistance in the establishment and development of international, scientific, technical and cultural cooperation of the Institute;
- facilitating meetings of government representatives with students and the Teaching staff of the Institute;
- assistance in issues of professional development, expert consulting, and rulemaking that require solutions.

The Academic Council carries out its activities in accordance with the Regulations on the Academic Council. The planning issues reflect the main activities of the Institute in the light of the implementation of the state strategic program documents.

In order to improve the university's management system, academic, scientific, personnel policy, and economic activities, the Institute regularly conducts surveys of employees and students to identify the degree of satisfaction with working and study conditions.

The Institute has developed and implemented a system for evaluating the Institute's key performance indicators, which allows obtaining objective information about the performance of the faculty, administrative and managerial staff and students of the Institute and timely influencing and correcting the Institute's management strategy.

In December 2018, the Socrates Committee of the European Business Assembly (Oxfort UK) recommended the Institute to be awarded the International Award «Best Educational Institution», registration number No. 2401351, the rights belong to EVA, protected by UK law.

In 2018, in the international professional competition of university teachers Pedagogical Discovery University-2018, the Institute entered the TOP-10 (9th place), including:

- Diploma of the first degree in the nomination «Practical project», «Information project», T.V. Diba;

- Diploma of the first degree in the nomination «Practical project», M.Zh.Tursunov.

For more than 30 years of its existence, the Institute has focused its efforts on joint activities with employers, businesses, and government agencies in the region. This activity allowed, firstly, to introduce practice-oriented training. Secondly, to become a real subject of the region's economy from a traditional institution. Thirdly, to become a center for conducting research on orders from enterprises, for the real integration of science and education, by involving teachers and students in research. Fourthly, to develop the integration of the Institute and business in the field of creation and implementation of joint educational programs for targeted training of specialists, participation of employers in the educational process, final certification of specialists, as well as in the field of integration, creation of practice bases and in-depth professional training of specialists with industrial internships at enterprises, starting from 1st year, dual, inclusive, and dual degree programs.

6.2 Academic policy

The Academic policy of the Institute was developed on the basis of current legislation in the field of education, regulatory legal acts of the Ministry of Education and Science of the Republic of Kazakhstan, taking into account the priorities and strategy of the Institute.

The governing document of Academic policy may be revised in the event of changes in the regulations governing educational activities in the Republic of Kazakhstan, the Institute's Charter and strategy, and a revision of the requirements of educational programs.

Academic policy is a system of measures, rules and procedures for planning and managing educational activities and effective organization of the educational process aimed at implementing student-oriented learning and improving the quality of education.

The Academic policy defines academic integrity as the basis of the learning process at the Institute, the implementation of which is ensured by the implementation and adherence to its Principles.:

1) Ensuring academic integrity as the main institutional value that forms honesty and mutual respect in academic work;

2) The establishment of fair and objective standards of academic integrity, citation rules aimed at the formation of high ethical values;

3) Ensuring a consistent and continuous learning trajectory of the student by defining a clear mechanism and procedure for transferring student loans based on verifiable transcripts from other educational organizations;

4) The teacher's respect for his students as a mentor who contributes to the formation of academic culture;

5) The use of sources from Internet resources for the purpose of additional information with a link without borrowing texts;

6) Encouraging and stimulating participants in the educational process to promote and protect high standards of academic integrity;

7) The teacher's definition of a clear discipline policy and expected requirements from the student;

8) The teacher's definition of a policy of clear parameters for assessing students' achievements;

9) Ensuring the responsibility of students and taking effective measures for their violation of the principles and standards of academic integrity

10) Creating an academic environment that provides educational, social and psychological support to students and prevents academic dishonesty.

11) Creating equal opportunities and access to the educational process for students with special educational needs (SEN).

6.3 Development of innovation potential and its achievement

When forming an educational and research innovation model, the Institute relies on such components as:

• development of the Institute as a university integrated with the enterprises of the region in order to optimize and enhance their innovation and production activities;

• high image of the Institute;

• high quality of education, compliance of the educational program with the requirements of production, the introduction of a dual education system;

• efficiency and competitiveness of scientific and technical developments;

• educational and scientific cooperation at the international and national levels;

• strengthening the role of the Institute as a scientific and educational center in the region, etc.;

The effective development of the Institute also creates conditions for accelerated socio-economic development of the region. The development of the innovative potential of our Institute has allowed the Institute to become a region-forming factor in the life of EFEC and the region, not only an educational, but also a cultural, educational and educational, scientific center of the surrounding socio-economic and socio-cultural space.

The main task of developing the Institute's innovation potential is to promote research in priority areas of science and technology development and their commercialization. Provision of activities and development of scientific research laboratories. Expanding the access of the Institute's faculty to international libraries and databases of scientific information.

Improving the efficiency of using the laboratory and scientific base of the Institute

Students are involved in research on non-contractual topics under the guidance of experienced teachers within the framework of scientific circles. According to the results of the research, students' works are published in scientific journals and conference proceedings, in the annual international scientific and practical conference «Improving the quality of education, modern innovations in science and production», held jointly with the branch of KuzSTU, Prokopyevsk, etc., security documents are registered.

One of the objectives of the Institute is to improve the qualifications of the Teaching staff through the following forms:

- international and intra-university scientific and methodological seminars, preparation, holding and discussion of open classes using information and communication technologies;

- taking advanced training courses in the Republic of Kazakhstan, the Russian Federation and other countries;

- Master's degree, postgraduate, doctoral studies:

- internship at city-forming enterprises («Bogatyr Komir» LLP, «Vostochny» coal mine, «Ekibastuzskaya GRES-1 named after B.Nurzhanov» LLP, «Ekibastuzskaya GRES-2 Station» JSC, «Prommashkomplekt» LLP, «Kazakhstan Temir Zholy» JSC, «Bozshchekol» mine, «EkibastuzFerroAlloys» LLP).

The Institute maintains close relations with scientific research organizations and leading universities of the Republic of Kazakhstan, CIS countries and far abroad on mutual cooperation in the field of educational services and scientific and technical industry.

The model of the strategic achievement of the Institute's innovation potential is shown in Figure 3.

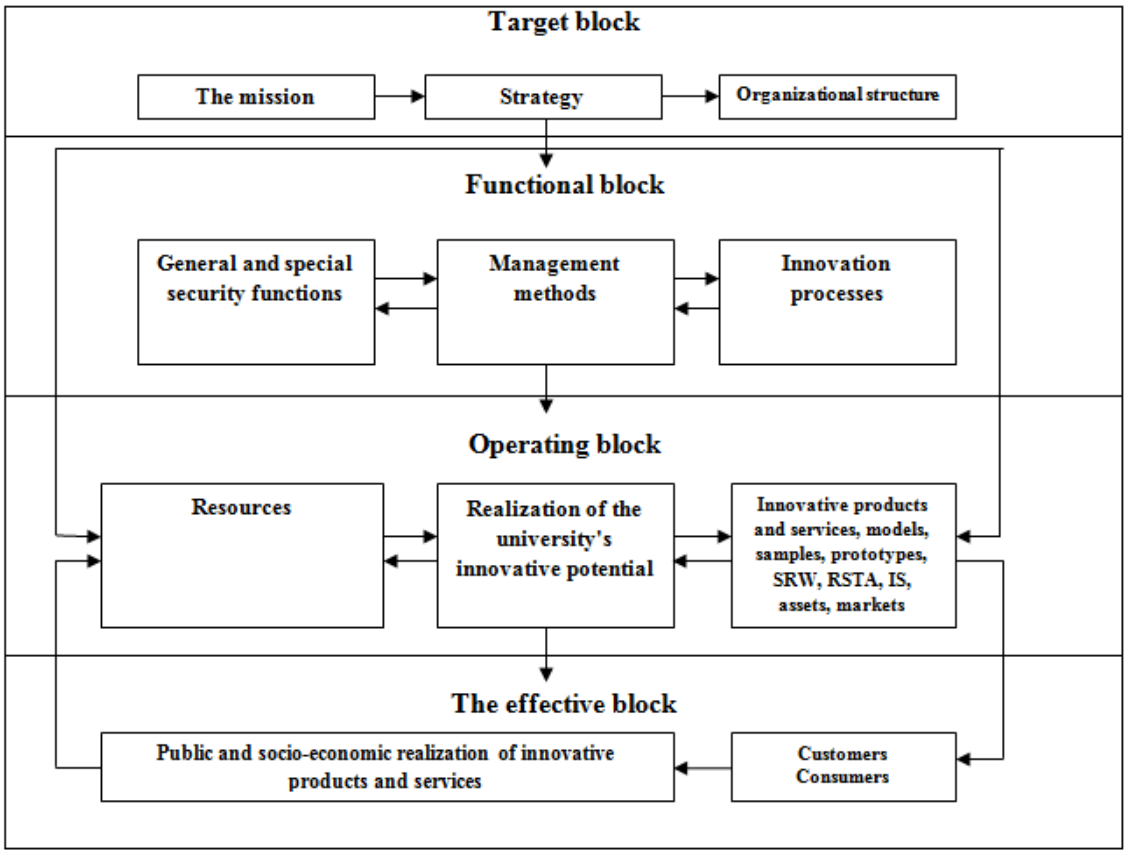

Figure 3. The model of strategic achievement of the innovation potential of the Institute

The implementation of the development direction will be achieved through an increase in applied and fundamental research, including through grant, program-oriented and basic financing of the MSHE of the Republic of Kazakhstan; providing conditions for productive scientific activity of Teaching staff in order to increase publications, including in journals with an impact factor indexed by international bibliometric databases Thomson Reuters and Scopus; obtaining protection documents for inventions; active involvement of students in the implementation of scientific and research projects; monitoring the participation of Teaching staff in the implementation of applied and fundamental research; monitoring the implementation of research results in the educational process; increasing funding for scientific and innovative activities through contractual topics; attracting domestic and foreign partners for the implementation of applied and fundamental research; the introduction of mandatory inclusion of representatives of production in scientific projects of scientists, as well as the involvement of leading specialists of organizations to participate in competitions (including international ones) and the implementation of joint fundamental, applied and innovative projects; the application of innovative approaches in the management of scientific and research activities.

6.4 Commercialization of scientific and technical developments

Planning for the commercialization of scientific and technical developments of the Institute is carried out in accordance with the Decree of the Government of the Republic of Kazakhstan dated November 16, 2021 No. 819 «On approval of the Comprehensive Plan for Socio-economic Development of the city of Ekibastuz, Pavlodar region, for 2021-2025».

As part of the Comprehensive Plan, it is planned to provide at least 370 land plots for individual housing construction. As a result of the creation of the industrial zone of the city of Ekibastuz, it is planned to increase the volume of industrial production at the level of 1050 billion tenge, of which at least 20% in the manufacturing sector. It is planned to reduce pollutants into the

atmosphere and increase the responsibility of industrial enterprises to fulfill their obligations.

Scientific and technical projects are being developed within the framework of the interests of the region and its population, the region, and the Republic of Kazakhstan. For the innovative development of EFEC enterprises, the staff and teachers of the Institute offered more than 60 developments. The process of implementing the scientific knowledge of the Institute is carried out in the form of contractual SRW. The total amount of scientific research conducted by the Institute under a contract with third-party organizations in 2022 is 13,753,000 tenge.

Innovative projects presented by the Institute:

1. A Megawatt-class public wind turbine adapted to strong winds and the climate of Kazakhstan (author Zh.K.Kambarov, PhD, Professor at the Institute). The development participated in international competitions of innovative business projects in Asia (Shanghai 2010) and global (Los Angeles, 2011) and became the winner in them. The current layout is located in the advanced technology zone. During 2017-2018 The Turkish company «ENPGROUD» negotiated with the local administration of Pavlodar region for the construction of a 50 MW wind farm near the village. Shchiderty, Pavlodar region, MNR (Ekibastuz city) with the permissive part of the construction of the plant in the area of Ekibastuz GRES- 1,2.

2. Cheap house for a young family of the «Quadrohouse» type. The project of a prefabricated house was developed in order to provide inexpensive, high-quality individual housing for a young family, single-parent families, as the initial housing for university graduates (under the diploma to the village program), migrant workers, for organizing a network of tourist housing, and the rapid construction of work settlements.

3. Deep processing of ash and slag waste from thermal power plants (GRES, CHP) (author A.G.Mikov, Candidate of Technical Sciences, professor of the Institute). This project was implemented as a «pilot plant» for the separation of microspheres from the water-ash stream from the pipes of the CHP-2 of «Astana Energy» JSC. Currently, the investor of «Eko Export» JSC (Poland), its subsidiary in Kazakhstan, «EKO SphereKZ» LLP and «Atazhurt ECO» LLP are negotiating with «Samruk-Energo» JSC.

4. The project «Method of obtaining microspheres from aqueous fly ash suspension of thermal power plants and stationary installations for its existence».

5. The project «Production and preparation of sale of the aerofontane dryer- dehydrator of an aluminosilicon microsphere».

The main direction of the Institute's research work is the theoretical and practical justification of the integrated use of mineral and man-made raw materials of the Pavlodar-Ekibastuz region, energy-saving and low-waste technologies, high-performance processes in mining, energy, metallurgy, transport and construction using information systems and automation of production processes:

1. Advanced technologies of prospecting, extraction, transportation and processing of hydrocarbon raw materials;
2. Advanced technologies in the mining and metallurgical complex;
3. Energy and mechanical engineering;
4. Alternative energy and energy efficiency technologies;
5. Infocommunication technologies;
6. Transport and construction industry.

Work is underway to protect intellectual property. Applications for inventions were submitted from the Institute and from the authors themselves, as well as from organizations with which the Institute's Teaching staff collaborated, in particular with the branch of KuzSTU named after T.F. Gorbachev in Prokopyevsk (RF). So, during the 2017-2018 academic year, 2 positive decisions were received and in 2019 - 2 patents jointly by the Institute and KuzSTU named after Gorbachev T.F. (RU). In 2020, together with the staff of KSTU, a patent «Device for cutting cracks in road surfaces» was obtained. In 2020, together with the staff of KSTU, patents were obtained: «Combined anchor», «Method of fastening a dismantling chamber», «Method of fastening an array around mining workings», «Combined anchor for fixing the roof of mining

workings». In 2021, the patents «Method of securing excavation work in the area of influence of cleaning operations» and «Rope anchor with longitudinal slots and annular holes» were also obtained with the staff of KSTU. Together with the University of Toraigyrov, a patent was obtained in 2021: «Half-track propulsion».

7 WAYS TO ACHIEVE THE GOALS OF THE PROGRAM

Strategic direction 1: Innovation and educational activities	
№	Ways to achieve goals
1.	Formation and development of an innovative bachelor's degree training system; optimization and further improvement of the structure of basic educational programs and curricula implemented in the educational process of personnel training in the areas and specialties of the university
2.	Demand monitoring, analysis, and evaluation of educational programs in the context of the development of production processes, science and technology, and the current demographic situation
3.	Active participation in international and national ratings
4.	Development of international cooperation
5.	Providing students with the necessary regulatory and reference information and educational and methodological literature of the Institute's publications in paper and electronic form
6.	Development of the system of training, retraining and advanced training of Teaching staff
7.	Involvement of experts from production in the educational and research process
8.	Improving the system of pre-university preparation of applicants
9.	Continuous expansion of opportunities for students to receive additional types of training in working professions
10.	Expansion of cooperation with enterprises and organizations in the region by creating branches of departments in production
11.	Optimization and improvement of forms of control of students' knowledge, development of web technologies
12.	Development and practical application of the modular learning principle
Strategic direction 2: Scientific and innovative activities	
№	Ways to achieve goals
1.	Priority development of research and innovation activities in the field of science, technology and technology
2.	Conducting scientific, scientific and technical conferences, symposiums, seminars at the international and regional levels with the invitation of leading scientists
3.	Ensuring the focus of SRW on a specific result (grants, loan agreements, business incubators, small enterprises, etc.)
4.	Commercialization of scientific and technological projects of the Institute staff
5.	Provision of activities and development of scientific research laboratories
6.	Improving the efficiency of using the laboratory and scientific base of the Institute
7.	Active use of the territorial, geographical, ecological, geological, industrial and technological advantages of the region
8.	Formation of entrepreneurial qualities among students and Teaching staff as a necessary condition for creating an innovative university culture
Strategic direction 3: Integration of the Institute into the international scientific and educational space	
№	Ways to achieve goals
1.	Continuous development of international cooperation, implementation of double degree programs.

2.	Development, implementation and licensing of educational programs with international participation
3.	Development of student exchange programs and practices of international student schools within the framework of international cooperation
4.	Involvement of leading foreign scientists in the educational process and research activities
5.	Organization of a system for improving the knowledge of a foreign language of students, teachers and staff in order to expand the opportunity to study and use foreign experience, participate in exchange programs and grants
6.	Active participation in scientific internship programs for teachers and scientists of the Institute at leading universities and scientific organizations of the World
7.	Ensuring the openness and accessibility of the Institute for foreign partners and international students
Strategic direction 4: Improving the effectiveness of the Institute's management	
№	Ways to achieve goals
1.	Improvement of the Institute's management system (including the organizational structure of management) in accordance with the development of the University's innovative activities
2.	Intensification of the development of strategic, medium-term and current plans for the development of the main activities of the Institute and departments based on the results-oriented concept
3.	The use of the Institute's quality assurance system for educational activities, focused on both continuous improvement of the quality of specialist training and improvement of the educational services system
4.	Expansion of collegiality in the management of the university by activating the work of the Supervisory Board of the Institute
5.	Expanding cooperation with executive authorities, employers, their associations, and charitable foundations to involve them in the management and financing of the Institute's activities: optimizing the work of the Institute's alumni association
6.	Conducting regular surveys and questionnaires of students and staff of the Institute on the quality of the educational process, the material and technical base, the library, etc.
7	Action plan on accessibility for people with special educational needs at the university
8	Improving the system of election to competitive positions
Strategic direction 5: Development of the Institute's resource potential	
№	Ways to achieve goals
1.	Development and implementation of the «Personnel» program, which provides for the formation and training of a personnel reserve for the positions of teachers and heads of structural divisions
2.	Creation and functioning of a system of continuing education, advanced training of teachers and specialists of the Institute
3.	Development of a long-term plan for the development of the Institute's material and technical base, constant monitoring of the implementation of the plan stages
4.	Equipping lecture halls and computer rooms with multimedia facilities
Strategic direction 6: Development of the information and innovation structure	
№	Ways to achieve goals
1.	Development of a unified information space of the Institute with access to the Institute's resources and services on the Internet for all users of the Institute
2.	Active use of electronic information resources in the educational process, development of the Institute
3.	Computer and communication support for informatization of educational, scientific and managerial activities of the Institute
4.	Development of an electronic document management system, creation of an automated control

	system for the rector, vice-rectors, and deans of faculties; development of information management systems at all levels of the Institute's administrative system
5.	Development of an electronic library and the electronic translation of the most sought-after literature
6.	Development of reading rooms of an electronic library with student access based on computer classes
7.	Creation of an electronic library section aimed at schoolchildren and applicants in the region, development of a system for organizing access to this section
8.	Structural modernization, informational updating and constant maintenance (including in terms of operational reflection of changes) of the Institute's Website on the Internet. Support of the Institute's presentation on the Internet in three languages: Kazakh, Russian and English
9.	Providing wide access to the Internet for students, Teaching staff and staff of the Institute
10.	Improving the provision of educational programs with educational and methodological literature in the state language in bachelor's degree programs
Strategic direction 7: Educational work and socializing activities	
№	Ways to achieve goals
1.	Development and implementation of long-term student education programs in order to form a well-rounded personality
2.	Development and implementation of a program of cultural and leisure activities for students
3.	Development of the system of student self-government and student associations
4.	Creation of a pre-employment system for future graduates
5.	Organization of work on promoting a healthy lifestyle among students and Teaching staff
6.	Conducting surveys and questionnaires of external consumers and employers to assess the professional and personal qualities of graduates of the Institute
7.	Implementation of a system for determining the social needs of students and measures to meet them

8 DESCRIPTION OF THE EXPECTED RESULTS OF THE PROGRAM IMPLEMENTATION

Consistent implementation of the priority areas of the strategic plan will ensure the sustainable development of the Institute in the field of education, practical innovation research, improved partnerships, and increased competitiveness at the international, national, and regional levels.

The strategy is evaluated through collegial analysis and operational management by the Institute's management at all stages of implementation and taking into account the level of achievement of the set goals.

Determining the suitability, consistency, and feasibility of specific strategies that ensure the gradual advancement of the Strategy is possible through the following criteria:

- step-by-step implementation of the strategy (all step-by-step tasks must be mutually consistent with the strategy and sequence);
- suitability (suitability for risks, effects, expected results);
- ability to implement the Strategy (availability of resources);
- competitiveness.

The implementation of the strategic plan will contribute to:

- the Institute's entry into the TOP-10 best technical universities of the Republic of Kazakhstan;
- diversification of financial sources, commercialization of research results, growth of paid services, attraction of investments;
- optimization of the management system, reduction of administrative costs, automation of all processes;

- updating the training content and increasing its quality;
- establishing closer contacts with employers;
- development of priority areas of technical and economic specialties;
- an increase in demand for graduates of the Institute and an increase in their salaries (they will rise to the regional average);
- to increase the level of accessibility of education for all comers, including for people with special educational needs;
- implementation of corporate governance principles through the further involvement of Teaching staff and students in the management decision-making process through participation in meetings of the Academic Council, the Rector's Office, membership in committees, commissions, working groups in the field, etc.;
- professional development of managers and employees of structural divisions through retraining and advanced training in educational management programs;
- formation of a partner base from among the leading national and foreign educational institutions, where employees and Teaching staff will be able to undergo advanced training as planned;
- involvement of practitioners for the purpose of consulting and co-management of graduation papers and projects;
- monitoring the degree of student satisfaction with the quality and conditions of education;
- providing conditions for productive scientific activity of Teaching staff in order to increase publications, including in publications with a non-zero impact factor, as well as obtaining protection documents for inventions;
- ensuring the participation of the Institute's departments in various grant competitions, scientific and contractual projects funded from the local and national budgets, commercialization and assistance to researchers in the commercial use of scientific developments;
- development of student, creative and sports sections, formation of patriotism, citizenship, leadership qualities of students.

9 TARGET INDICATORS FOR THE IMPLEMENTATION OF THE INSTITUTE'S DEVELOPMENT PROGRAM

The successes achieved by the Institute to date are the result of consistent work on the implementation of the Institute's Strategic Development Plan for 2023-2027. The choice of strategic directions for the Institute's development remains relevant for the future and is determined by the mission, vision and priorities for the development of Kazakhstan's higher and postgraduate education. Based on this, goals and target indicators for each area have been identified. The target indicators are formulated in accordance with the strategic directions of the Institute's activities.

Target indicators (indicating the final date (period) of achievement)	Unit of meas.%, quantity	In the planned period				
		2023	2024	2025	2026	2027
1	2	3	4	5	6	7
STRATEGIC DIRECTION 1. Innovative and educational activities						
Goal: To improve the system of innovative education	Target indicator: development and implementation of an innovative education model within the Institute					
Task 1.1 Development of educational services and improvement of their quality						
Number of Bachelor's degree programs	unit.	22	11(13)	11(13)	11(13)	11 (14)
Institutional accreditation	certificate	-	-	+	-	+
Number of educational programs (accredited)	unit	22	8 (13)	8 (13)	8 (13)	8 (14)
Task 1.2 The use and development of modern educational technologies and methods						
Number of classrooms equipped with multimedia equipment	unit	6	7	8	8	9
The number of textbooks and teaching aids published this year	unit	20	22	26	28	30
Task 1.3 Improving the professional level of Teaching staff						
AMS who has advanced their qualifications and completed retraining	human	4 (6)	3 (1)	3(1)	3(5)	3(2)
Financing of retraining and advanced training of AMS and Teaching staff	thous. of tenge	1300	2000	2500	3000	3500
1	2	3	4	5	6	7
Task 1.4 Strengthening horizontal coordination between the structural divisions of the Institute						
The degree of satisfaction of the Institute's staff with the reduction of bureaucracy of procedures	%	70	75	80	85	85
The degree of satisfaction of the Institute's staff with the psychological climate	%	86	88	90	92	95
STRATEGIC DIRECTION 2. Scientific and innovative activity						

Goal: To increase the scientific and innovative potential of the Institute		Target indicator: Creation of an innovative infrastructure in the Institute's system				
Task 2.1 Integration of scientific and production activities with the educational process						
Number of student publications	unit	31	32	33	36	38
The number of SRW institutes that have received diplomas for participating in competitions	unit	4	4	5	6	6
The number of winners of student Olympiads	unit	3	4	4	5	6
The number of graduation projects implemented in the educational process and production	unit	4	4	5	6	6
Task 2.2 Maintenance of laboratories (educational, scientific and research, including virtual ones)						
Number of laboratories, including virtual ones	unit	26	27	27	28	28
The amount of research funding	thous. of tenge	1000	1100	1200	1300	1400
Number of branches of departments in enterprises and organizations	unit	3	1	1	2	1
Number of patents and/or copyright certificates	unit	1	2	2	2	3
STRATEGIC DIRECTION 3. Integration of the Institute into the international scientific and educational space						
Goal: to train specialists with higher education at the level of international requirements	Target indicator: Recognition of the Institute's diplomas at the international level					
Task 3.1 Joint Bachelor's degree training with the participation of foreign partners						
Number of educational programs with international participation	unit	3	4	5	3	4
Number of foreign teachers and consultants involved	human	1	1	1	2	2
The number of international students studying at the Institute	human	8	10	12	13	14
The number of students enrolled in academic mobility	human	1	1	2	2	3
Task 3.2 Participation in international scientific projects						
Number of international cooperation agreements	unit	20	21	22	23	24
Scientific internships of teachers in the near and far abroad	human	1	1	1	1	1
STRATEGIC DIRECTION 4. Improving management efficiency						
Goal: to create a management structure appropriate for an innovative university	Target indicator: strategic and medium-term indicative planning, matrix management structure with horizontal and vertical links, QMS availability, formation of modern corporate culture					
1	2	3	4	5	6	7
Task 4.1 Staffing of the educational process						
Average level of education in the areas of training	%	40)	40	45	48	50

Average age of Teaching staff	years	52	52	50	48	45
Number of Teaching staff-holders of the title «Best Teacher of the Year»	human	1	1	1	1	1
Percentage of Teaching staff awarded with commendations and incentives	%	5	7	9	10	12
The number of practitioners involved in the educational process	human	10	11	12	15	17
Task 4.2 Professional development of Teaching staff						
The percentage of Teaching staff who completed advanced training courses in the amount of at least 72 hours	%	100	100	100	100	100
The share of Teaching staff who have completed advanced training abroad, out of the total number of full-time Teaching staff	human	1	1	1	1	1
Task 4.3 Allocation of funds for stimulation and financial encouragement of Teaching staff						
Average salary of employees and AMS	thous. of tenge	145	160	171	183	195
Average salary of Teaching staff	thous. of tenge	105	112	120	130	135
Financial assistance to employees, Teaching staff and AMS (one-time)	thous. of tenge	5	5	5	5	5
Awards	thous. of tenge	102,2	110	120	130	140
STRATEGIC DIRECTION 5. Development of the university's resource potential						
Goal: to improve the professional level of Teaching staff	Target indicator: The proportion of full-time Teaching staff with academic degrees and titles not lower than the licensing requirements					
Task 5.1 Training of highly qualified personnel						
1	2	1	1	1	1	1
PhD thesis defense	human	1	1	1	1	1
Task 5.2 Development of the material and technical base and financial support (material and technical support for the educational process and scientific and innovative activities at a level not lower than licensing requirements)	Target indicator: Material and technical support for the educational process and scientific and innovative activities at a level not lower than licensing requirements					
Task 5.3 Providing the educational process with a classroom fund						
The volume of repair and construction work	sq.m	2800	3000	3200	3000	2800
The area of educational and laboratory buildings (premises)	sq.m	11622	11622	11622	11622	11622
The area of the material and technical base	sq.m	9486,1	9486,1	9486,1	9486,1	9486,1

Financial indicators for the purchase of educational furniture and educational laboratory equipment	million tenge	11,30	11,85	12,45	13,0	12,5
STRATEGIC DIRECTION 6. Development of the information and innovation structure						
Purpose: Information support of the educational process and scientific and innovative activities	Target indicator: availability of modern information resources that support the educational process and scientific and innovative activities (electronic Institute, corporate computer network, modern software products and resources)					
Task 6.1 Development of modern information resources and technologies						
Financial indicators for the purchase of computer equipment and multimedia equipment	million tenge	4,42	4,64	4,87	5,0	4,5
Number of computers	unit	285	290	295	300	310
Number of network access clients	human	1300	1350	1400	1450	1420
Library fund of the Institute	instance	269400	269800	270000	270900	271400
Number of periodicals	instance	26	28	28	28	28
STRATEGIC DIRECTION 7. Improvement of educational work						
Goal 1: To train specialists with high personal qualities and adaptable to modern production, market economy, and management	Target indicator: A well-developed system of educational work, the presence of student associations (Student Council, Youth Affairs Committee, Disciplinary and Anti-Corruption Council, KVN, Sports sections, etc.)					
Task 7.1 A systematic and integrated approach to educational work, development of student self-government						
Assessment of professional and personal qualities of graduates of the Institute by external consumers and employers (based on the survey results)	%	72,5	74,0	74,2	74,4	74,6
1	2	3	4	5	6	7
Students' assessment of the educational work of the Institute (based on the results of the questionnaire «UNIVERSITY through the eyes of students» of the scoring system)	mark	3,68	3,75	3,90	3,95	4,05
Goal 2: Strengthening the social protection of students	Target indicator: the existence of a system for determining the social needs of students and measures to meet them					
Task 7.2 Human development						
Percentage of students involved in student government	%	2,7	2,8	3,0	3,1	3,2
The proportion of students employed in sports clubs out of the total number of students	%	10,1	10,4	10,7	10,9	11
The amount of funding aimed at supporting students from socially vulnerable backgrounds	thous. of tenge	14500	14600	14700	14800	14900
Task 7.3 Support for students with special educational needs						

The proportion of students with special educational needs from their total number	%	0,1	0,1	0,2	0,3	0,4
Task 7.4. Improving the competitiveness of young people						
The number of prize-winning students in individual and team competitions in national and international competitions	human	5	5	7	8	10
RK	human	10	10	10	12	13
international	human	5	5	7	4	5
Number of students participating in national and international competitions	human	7	10	12	15	17
Share of winners and prize-winners of creative contests and sports competitions, out of the total number of students	%	1,89	1,9	1,97	2,0	2,1
STRATEGIC DIRECTION 8. Improvement of the Institute's educational activities in accordance with national and international requirements						
Goal: To raise the quality of education to the level of world standards						
Task 8.1 Increasing the number of students						
Number of students at the Institute	human	1200	1300	1400	1500	1600
Ways, means and methods of achieving the target indicator: **Task 8.1.1 Improvement of the personnel training system** Indicators of direct results:						
The share of students at the expense of employers from the total number of students	%	1,0	2,12	3,23	4,24	5,25
1	2	3	4	5	6	7
The proportion of graduates employed in the first year after graduation	%	75,0	75,0	80,0	85,0	90,0
Measures to achieve indicators of direct results:						
Development of cooperation with partner universities in the far and near abroad on the issues of advanced training of Teaching staff		+	+	+	+	+
Task 8.1.2 Development of effective functioning of all levels of education in accordance with the parameters of the Bologna process						
Indicators of direct results:						
The proportion of graduates who received the European Diploma Supplement from the total number of graduates in terms of bachelor's degree level	%	100	100	100	100	100
Task 8.1.3 Improving the quality of education						
Indicators of direct results:						
The degree of satisfaction with the quality of the bachelor's educational process	%	83	84	85	86	86
Measures to achieve indicators of direct results:						

Involvement of social partners and employers in the development, examination and implementation of educational programs	%	20	25	30	30	35
Task 8.2 Integration into the international educational space						
Task 8.2 Increase the share of new generation Teaching staff in accordance with the new tasks and requirements for the quality of university specialist training (Master's degree)	unit	15	20	25	30	30
Task 8.3 Formation of the student body						
The growth of the Institute's contingent	%	5	5	5	5	5
Task 8.4 Development of educational programs						
The number of OPS with a dual training system	unit	0	1	1	2	3
Number of OP with a double degree	unit	0	1	1	1	2
Task 8.5 Improvement of educational programs that ensure the training of competitive personnel						
Updating the catalog of elective subjects:	%	10	10	10	10	10
including at the request of employers	%	5	5	5	5	5

STRATEGIC DIRECTION 9. Development of scientific research and entrepreneurial activities						
Task 9.1 Improving the status of the Institute in the scientific research space						
The number of scientific publications, in publications with a non-zero impact factor in the Clarivate Analytics information company database (Web of Science Core Collection, Clarivate Analytics or included in the Scopus, Pubmed database) and foreign patents included in the Clarivate Analytics database	Teaching staff	2	3	4	5	6
Number of publications in journals recommended by CQAE ME RK	Teaching staff	2	3	5	5	6
1	2	1	2	2	3	3
Number of developments protected by intellectual property		1	2	2	2	3
Task 9.2 Scientific and technical support for the growth of SRW						
Implementation of the volumes of funded SRW, thousand tenge, including:	Quantity	1000	1100	1200	1300	1400
state-funded SRW		-	-	1	1	1
and contractual SRW		3	4	5	6	7
Task 9.3 Strengthening scientific potential and status of a scientist						
Number of Teaching staff involved in SR&DA, people.		5	7	8	9	10
Number of students involved in SR&DA , people.		1	1	2	2	2

Task 9.4 Improving the quality and effectiveness of developments resulting from the implementation of scientific research by Teaching staff						
The number of scientific developments implemented by the Institute in production, units.	unit	2	2	3	3	3
The number of scientific developments, teaching aids, textbooks introduced by the Institute into the educational process, units.	unit	2	2	3	3	3
Task 9.5 Strengthening the material and technical base						
The share of scientific equipment and software that allows the provision of commercial services	%	1	1	2	2	2
STRATEGIC DIRECTION 10. Organization of effective management and implementation of corporate governance principles						
Goal: To organize, diagnose and improve the Institute's quality management system in all areas of the University's functioning						
Task 10.1 Building and ensuring the effective functioning of the quality management system						
Adjustment of the internal quality assurance system based on international standards and guidelines for quality assurance of higher and postgraduate education in the European Higher Education Area (ESG)		+	+	+	+	+
Conducting internal audits of the quality management system to assess its compliance with international standards	unit	2	2	2	2	2
Task 10.2 Achieving a higher position in external assessments of the quality of educational services provided						
We have national institutional accreditation in our strategic plan 1	unit	-	-	1	-	-
The share of bachelor's degree programs included in the top five according to the results of the national university ranking (from the number of participants in the ranking)	%	10	20	30	30	30
1	2	3	4	5	6	7
The share of bachelor's degree programs included in the top ten according to the results of the «Atameken» NPP rating (from the number of participants in the ranking)	%	20	25	30	35	40
Task 10.3 Formation of the Institute's modern image in the external environment						
Indicators of direct results:						
National ranking of the best technical universities of the Republic of Kazakhstan	Top 30	Top 20	Top 20	Top 10	Top 10	Top 10
National ranking of the best universities of the Republic of Kazakhstan	Top 30	Top 20	Top 20	Top 20	Top 20	Top 20
International contests/ratings	Top 10	8	8	8	7	6
Task 10.4 Improvement of the certified QMS, enhancement of the Institute's image in the external environment						
Updating the organizational structure of the Institute in order to meet the Institute's		+	+	+	+	+

activities with modern requirements in the field of science and education						
Development and updating of the provisions of the Joint Venture and job descriptions of the Institute's employees in connection with changes in the organizational structure	%	100	100	100	100	100
STRATEGIC DIRECTION 11. Modernization of the Institute's infrastructure						
Goal: To strengthen the material and technical base of the Institute						
Ways, means and methods of achieving the target indicator: **Task 11.1. Strengthening the material and technical base of the Institute**						
Indicators of direct results: Purchase of educational and laboratory equipment, purchase of computers, organizational equipment, software	thous. of tenge	36000	36500	37000	38000	39000
Expenses for replenishment of the book fund and educational and methodical literature, including in the state language	thous. of tenge	25000	10000	10000	12000	12000
Task 11.2 Infrastructure development						
Reconstruction and redevelopment (including landscaping of the adjacent territory), million tenge	unit	-	-	-	1	-
Purchase of apartments for Teaching staff	unit	-	-	1	-	-
Major repairs of educational buildings (including renovation of engineering infrastructure – heating, ventilation, sewerage, water and electricity supply systems), million tenge	unit	-	1	1	-	-
1	2	3	4	5	6	7
STRATEGIC DIRECTION 12. Improving the civic and patriotic education of young people						
Goal: Formation of a highly cultured socially responsible personality of a graduate of the Institute						
Task 12.1 Formation and development of a socially adapted personality with high civic responsibility, a sense of patriotism and tolerance						
The proportion of young people involved in public life («Zhastar Rukhy», volunteers, community activists)	%	50	50	50	50	50
Ways, means and methods of achieving the target indicator: **Task 12.2 Improving social support for students**						
Measures to achieve indicators of direct results						
Providing discounts on tuition fees for orphans and people from low-income families		+	+	+	+	+

The list of registration of changes, additions and revisions of the document

Change №	Date of amendment, addition and revision	Page numbers	The document on the basis of which the changes were made and the revision was carried out	Summary of the change	Signature of the person who made the change
1	2	3	4	5	6