

**REPORT  
FOR THE 2024-2025 ACADEMIC YEAR**

**Ekibastuz, 2025**

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## 1. General characteristics and organizational and managerial structure of the Institute

The educational institution "Ekibastuz Engineering and Technical Institute named after Academician K. I. Satpayev" (hereinafter referred to as the Institute) is a subject of higher education of the Republic of Kazakhstan and operates on the basis of the Charter and state license.

EITI named after Academician K. Satpayeva is the only university in the Ekibastuz region that has trained more than 10,000 qualified specialists for the fuel and energy complex of the region and the country in its 32 years of existence.



Figure 1-Organizational structure of EETI named after Academician K. Satpayev

The Institute maintains creative relations and business relations with many leading universities and research and educational centers of the CIS and far abroad. During this time, the Institute has established partnerships with more than 20 universities in the near and far abroad and is the winner of the international award "EUROPEN QUALITY" (European quality), received in Oxford, Great Britain.

The Institute's activities are primarily aimed at ensuring a high level of training of students, in accordance with the requirements of the legislation in the field of education, the requirements of the labor market, and puts the quality of knowledge and student-centered organization of the educational process at the forefront.

One of the key priorities of the EITI named after Academician K. Satpayev's goal is to ensure the employment of graduates, which is more than 92%, which is repeatedly noted by high positions in the ranking of universities conducted by NCE "Atameken", in the ratings of which our universities are in the TOP 10 in the Republic of Kazakhstan.

According to the results of the ADALDYQ LIGASY AKADEMIALYQ rating, the institute took the 13th place, the employment rate was 92%.

This is facilitated by close cooperation with enterprises in the region, which make an invaluable contribution to the development of the higher education system.

The Institute has implemented and is constantly improving credit technology of training in all specialties and educational programs in all forms of education, which ensures the development of students' independence and individualization of their training. Training is conducted in the state and Russian languages.

The number of teaching staff for the 2024-2025 academic year is 114 teachers (82 staff), including 35 candidates of science, 2 PhD doctors, 26 masters of science. According to 22 educational programs, 1,439 full-time students study, including 56 students studying under the State Educational Standard, 20 students studying at the expense of the charity program "Educational Grants of Kazakspan Halkyn", 1334 students studying on a paid basis, and 29 students studying at the expense of the enterprise.

In the 2024-2025 academic year, discounts on tuition were provided from 5 to 50 % - 187 students.

The Institute has modern educational and scientific equipment that meets the best international and domestic standards, ensuring the provision of high-quality educational services and the implementation of the mission, goals and objectives of the university. Over the years of its existence, a developed university infrastructure has been created, including three academic buildings with a total area of 9883.6 sq. m., which house classrooms, educational and scientific laboratories, offices, workshops, 3 sports halls, food and medicine points, an assembly hall, as well as student dormitories.

Every year, the base for passing all types of internships is expanded. The Institute has branches at the leading enterprises of the region, on the basis of which practical training of students is carried out, including: Bogatyr Komir LLP, Vostochny open-pit mine, B. Nurzhanov GRES-1, GRES-2, Prommashomplekt LLP, PavlodarEnergo LLP, Hidroprom LLP, KEGOC; Astana Kala Kurylys, NC KTZ JSC - "Ekibastuz Operational Wagon Depot", "Nar-Trans" LLP, "Electroservice" LLP, "Tamyr" LLP, "Aluminum of Kazakhstan" JSC, "Gorelectroset" JSC, "AK Altynalmas" JSC, "Maykain Gold" JSC, "Halyk Bank of Kazakhstan" JSC, "Forte bank" and others, which correspond to the profile of students' training and whose representatives are members of the Supervisory Board of the Institute and take an active part in the activities of the Institute.

Over the past year, the first meeting of the Supervisory Board was held, where the rector made a report on the past academic year, and also discussed issues related to further cooperation between the University and enterprises.

Also, on May 16, 2025, a job fair was held for the first time with the participation of the city's youth and the main city-forming enterprises.

The practice of employers' participation in the educational activities of the Institute is constantly expanding, and issues of financing and tuition fees are being jointly resolved in the development of the content and organization of the educational process. The successful development of mutual relations allows the Institute not only

to improve educational programs, but also to take into account the needs and needs of enterprises and organizations when introducing new specializations and opening new educational programs based on a competency-based approach.

On March 13, 2025, a Regional subject Olympiad for schoolchildren was held, dedicated to the 85th anniversary of the founder of Ekibastuz Engineering and Technical Institute, Doctor of Physical and Mathematical Sciences, Academician M. P. Mardenov.

In 2025 AI-SANA, 1003 students and 33 teachers took courses on artificial intelligence under the AI-SANA program.

## **2. Human resources capacity**

Realizing the high degree of responsibility for the quality of knowledge, skills and abilities provided, the Institute pays great attention to the choice of professional teaching staff and the creation of favorable conditions for the effectiveness of their work.

The Institute's management pays considerable attention to the issues of team unity, prevention of conflicts of interests and relationships, and motivation for a responsible attitude to professional activities. For this purpose, the regulation "Code of Corporate Culture" has been developed and operates. Resolution of conflicts that have arisen is usually carried out through constructive negotiations with the participation of the parties to the conflict. When considering conflicts involving students, first of all, the rights and legitimate interests of students are taken into account. The rights and obligations of students are specified in detail in contracts for the provision of educational services concluded with students, developed internal regulations. The rector's blog is available on the official website for students and staff to apply. To get information when dealing with complaints and suggestions from employees and students, it uses special mailboxes installed in public areas. Feedback is also provided at the level of the distance learning platform, both at the level of the moderator and at the level of each individual teaching staff. The mechanisms for identifying conflicts are statements of teaching staff, employees and students, service notes and memos, personal appeals to the manager, and anonymous appeals.

The Institute has been provided with personnel potential with academic degrees and titles for at least 40% of the total number of teaching staff of the university over the past five years. This is 10% higher than the minimum qualification requirements, which define the level of graduation for Institutes of at least 30%.

To give lectures and / or conduct other types of training sessions, experienced production specialists who meet the 8th level of the National Qualifications Framework are involved.

Teaching staff and the Institute's management have access to advanced training resources.

The faculty and staff of the Institute work closely with the administration of the Institute, which provides all possible moral, material and, if necessary, psychological support. The Institute covers: professional development costs for staff and teaching staff, including travel expenses; printing costs for publishing educational and

methodological materials; mobility costs for both teaching staff and students of the Institute.

The Institute has worked out mechanisms of motivation for teachers and employees for high pedagogical skills, scientific results and dedication, and the development of a quality culture. Every year, at the ceremony of the traditional international scientific and practical conference on improving the quality of education, teaching staff and employees of the Institute are awarded, in accordance with the results of their work for the current academic year. The city administration and corporate partners, represented by the largest enterprises in the region, join the promotion of employees and teaching staff.

The teaching staff, along with the educational process, conducts continuous research activities. Thanks to the creative approach of the teaching staff, the Institute is dominated by innovative teaching technologies and scientific research. More than a third of teachers have patents, author's certificates and are active in research activities. The contribution of the Institute's teachers to the development of science is estimated at the highest level.

Teachers of the Institute are participants of the republican contest "Best University Teacher", are awarded with the presidential scholarship "Bolashak", are regularly awarded with Letters of Thanks from the Akimat, Maslikhat of the city, the "AMANAT" party, have certificates of Accreditation as a subject of scientific and scientific and technical activities, have patents, author's certificates, take part in self-contractual, grant research projects.-research projects.

### **3. Academic work**

The academic policy of the Institute is aimed at providing student-centered education. The academic policy of the university reflects the rules and norms that regulate and cover all stages of the student's "life cycle". The Institute provides students with various types of manuals (reference books, internal regulations, working hours of various services, payment for tuition, policies and procedures for evaluating students ' academic achievements, information about educational programs).

The Institute also uses the Online Education System for organizing distance learning for educational institutions with support for proctoring and webinars from OES LLP (oes.kz Technical support of the DOT allows you to use 2000 GB of space, webinars for up to 1000 people (100 Mbit/s guaranteed channel width), hosted in the data center, backups, chats, file sharing, assignments, testing, exams with proctoring function, mailing lists, credit card, 100% mobile platform support.

The Institute conducts continuous monitoring and periodic evaluation of educational programs. This measure is necessary to ensure that educational programs achieve their goals and meet the needs of students. EITI named after Academician K. Satpayev was the first university in the Republic of Kazakhstan to pass the examination of updated OP and enter the Register of OP

Aware of the need for continuous curriculum reform and modernization aimed at developing learning outcomes, the Institute pays great attention to empowering students, new approaches to teaching and learning, effective support and leadership structures, and training programs that are more clearly focused on the student in all three cycles. Therefore, the reform of the Institute's academic programs is aimed at ensuring the possibility of high-quality, flexible and individualized educational trajectories implemented through the use of a catalog of elective disciplines. The faculty, in close cooperation with students and employers' representatives, continuously works to formulate learning outcomes and international benchmarks for various subject areas.

The Institute has a system of support for students in the process of mastering educational programs and advancing along the educational path.

In the organization of student-teacher relationships, the learning process focuses on such skills and competencies that demonstrate students' responsibility for their own learning, independence and cooperation, understanding, and the ability to solve problems.

The Institute has developed a Policy in the field of internal quality assurance: It is developed with the participation of the administration, teaching staff, and student activists (the student Council and the Youth Affairs Committee). The quality policy begins its formation and discussion with the level of development of directions and proposals at the level of teaching staff and student assets, with strict control of compliance with the requirements of the NPA in the field of education, taking into account ESG ENQA-2015 "Standards and recommendations for quality assurance of higher education in the European area"; then the proposals are transferred to the level of structural divisions. These documents are then systematized, checked for compliance with the Mission, goals and objectives of the Institute in the Department of Internal Quality Assurance and submitted for discussion and approval at the collegial level. The project is discussed at the collegial level (educational and methodological and supervisory boards), and after approval is submitted to the Academic Council for approval. After approval by the Academic Council, the rector issues an order for its approval.

The policy of the Institute is focused on the continuous provision of educational services to consumers at the level determined by legislative and regulatory requirements, market conditions in long-term relationships with the employer.

The Institute directs its efforts to continuously improve the quality of educational services based on the integration of education, science, and modern information technologies, which responds to current and projected requirements of consumers of educational services.

The Institute's management strives for unity of goals, directions and methods of continuous improvement of the education system, creates favorable conditions for professional growth of employees, provides appropriate resources, delegates authority to staff within the framework of responsibility, and makes its decisions based on an objective analysis of actual data using reliable and proven methods.

Teachers of the Institute, being competent and full-fledged participants in the process of the Institute's activities in the field of quality of educational services, proactively and responsibly plan and carry out their activities, effectively improving the level of knowledge based on innovative technologies.

The Institute's internal quality assurance system is based on a process-based approach. For each of the processes, an organizational standard is developed, the methods necessary to ensure the effectiveness, implementation and management of these processes are defined, the resources and information necessary to support and monitor these processes are provided, monitoring, measurement and analysis are carried out, measures are taken to achieve planned results and continuously improve these processes. Record forms have been developed for recording the results of monitoring and analyzing processes in divisions. All processes are described in the form of tables for relationships in this RC "OP", in the relevant DP, standards, technical documents of the QMS-Quality Guidelines.

A quality management system is a set of interrelated and interacting processes:

- a) general purpose;
- b) guidelines;
- c) resource management;
- d) provision of services, educational activities;
- e) monitoring, measurement, analysis and improvement.

Monitoring of the quality of educational programs is carried out at the level of the Far Eastern Federal District and the Supervisory Board. Based on the final results of the academic year, a discussion is held on the results of mastering the competencies claimed for achieving learning outcomes and mastering them. If deviations from the established guidelines are observed, the EP is reviewed, and if necessary, changes are made and re-approved.

Anti-corruption measures at the Institute in 2023 were ensured through the ongoing work of the Department for Educational Work, which conducts meetings and seminars with the invitation of consultants from among departmental organizations, public figures, etc. all information is posted on social networks, and events of the current year are held online, taking into account restrictive and quarantine measures. The DVOKO and the Disciplinary and Anti-Corruption Council are also working in this direction.

One of the main directions of anti-corruption measures was to exclude cases of plagiarism on the part of teaching staff and students, in accordance with paragraph 31 of the Standard Rules of Higher Education Institutions, approved by Order No. 595 of the Ministry of Education and Science of the Republic of Kazakhstan dated 30.10.2018, students' written evaluated works (term papers, theses (projects)) are checked for the presence of borrowed material and the use of the text with synonymous substitution of words and expressions without changing the meaning (paraphrase), including the use of text translated from another language (hereinafter-borrowing). The rules and procedure for conducting a check for the presence of borrowings are defined by the QMS-P-7.2.2-05-2019 The Anti-plagiarism clause.

Scientific works of teachers and researchers submitted for publication are allowed to be checked in loan detection systems.



Accessibility of the university management for teachers and students, flexibility of response to requests is provided by holding weekly meetings of the rector and vice-rectors on the DOT platform of the Institute. Meetings are held at 10:00 every Thursday. There is also an active blog of the rector and dean on the faculty's website.

Students' satisfaction with the quality of educational programs is determined through continuous online questionnaires and regular monitoring of their results.

A continuous mechanism for internal quality assessment and examination of educational programs, which ensures the achievement of set goals, includes a mandatory feedback process. A survey of students, teaching staff, representatives of practice bases and employers allows you to identify "bottlenecks", and if they exist, systematic work is carried out to review and correct shortcomings.

The survey procedures for all aspects of the educational process have been significantly simplified since 2020. So, all types of questionnaires are generated in Google forms and posted on the university's website:

- Employers' satisfaction with the quality of graduate training  
<https://forms.gle/3XXSeEjxgWLVS7AR9>
- "Student satisfaction with learning outcomes"  
<https://forms.gle/ZATDDs19j6cWEcY3A>
- "Students' satisfaction with creating conditions for personal development and upbringing"  
<https://forms.gle/jgLbqAzEta3nMaYc6>
- "Satisfaction of research students at the university"  
<https://forms.gle/yMdjgU3tPLYpoGKi9>
- Satisfaction of university students with providing them with support  
<https://forms.gle/xAmiMyJWrM2H19YF7>
- Satisfaction of teaching staff with the university  
<https://forms.gle/5NgSfrx8ERNXsruX8>
- Satisfaction with the quality of the educational program organization  
<https://forms.gle/K7jh1eqU1zYkWVKx7>
- Teacher through the eyes of students  
<https://forms.gle/28RWg1PdewVLLkcv7>
- Involvement of teachers in research and development  
<https://forms.gle/NqToWGtuy7xdoj558>

- Questionnaire on combating corruption in higher education institutions for students

<https://forms.gle/zW2RiqvCcNWH4qCe6>

Based on the results of processing the survey results, during meetings of the supervisory board, round tables with the involvement of representatives of employers, with the direct participation of students, the Department of Internal quality Assurance, with the involvement of a working group in the form of a Quality Assurance Commission, make decisions and submit reports on the results of monitoring to higher-level bodies.

In case of nonconformities, including those related to claims, based on the results of internal audit, the Institute takes actions that are adequate to the consequences of the identified nonconformities in accordance with the requirements of the documented procedure - Internal Audit.

The Institute strives to improve the quality management system by reviewing the quality policy, quality objectives, and planning and implementing improvement activities.

#### **4. Research work**

Research work at the university reflects the mission, goals and objectives of the Institute for training competitive specialists in the context of integration of education, science and modern innovative technologies.

To increase the amount of funding and the possibility of performing scientific research, the Institute is stepping up its work on participating in various programs with development institutes, the Ministry of Internal Affairs of the Republic of Kazakhstan, akimats of Pavlodar region and Ekibastuz.

The Institute has a unified information network that contains information about conferences, competitions, Olympiads, rating journals with impact factors, etc., as well as regulatory documents regulating the scientific activities of research and teaching staff.

There are 25 educational, scientific and research laboratories, equipped with modern equipment, where research is carried out by students and applicants of the Institute's departments. The characteristics of these laboratories are listed below (table 1).

Table 1-List and characteristics of laboratories.

#	Availability of a research institute, clinical base, scientific laboratory, technology park, business incubator (choose the appropriate one)	Location address	On the right of ownership or on a contractual basis	Note (brief information about the base's activities)
	1	2	3	4
1	Laboratory of Mechanics and Gas Liquids	of Power Engineers 54a, building B, room B-1.	On the right of ownership	of a scientific laboratory. The area <sup>is 35 m<sup>2</sup></sup> . It is focused on studying the flow and mixing modes of liquid and gas in specialized devices. Designed for research and development of students and employees of the Institute's departments
2	Laboratory for studying the properties of materials	of Power engineers 54a, building B, room B-2.	On the right of ownership	of a scientific laboratory. The area <sup>is 34.8 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments
3	Building materials	of Power engineers 54a, building C, room 112.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 59.7 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines "Building materials", "THEY" for the specialty "Construction".

4	Physico-chemical methods of analysis of metallurgical processes and agglomeration of power	engineers 54a, building C, room 101/1.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 11.3 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of conducting laboratory work in the disciplines "Technology of metallurgical production and production", "Theory of metallurgical processes", "Theory and technology of ferroalloy production", "Physical and chemical methods of research of metallurgical processes" for the specialty "Metallurgy".
5		Power engineers 54a, building C, room 101/2.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 38.2 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of conducting laboratory work in the disciplines "Technology of metallurgical production and production", "Theory of metallurgical processes", "Theory and technology of ferroalloy production", "Physical and chemical methods of research of metallurgical processes" for the specialty "Metallurgy".

6		Power engineers 54a, building C, room 101/3.	On the right of ownership	of the Educational and scientific laboratory. The area is 16.4 m <sup>2</sup> . It is intended for research work of students and employees of the Institute's departments in the direction of conducting laboratory work in the disciplines "Technology of metallurgical production and production", "Theory of metallurgical processes", "Theory and technology of ferroalloy production", "Physical and chemical methods of research of metallurgical processes" for the specialty "Metallurgy".
7	Electric machines and power	engineers ' drive 54a, building A, aud.119.	On the right of ownership	of the Educational and scientific laboratory. The area is 91.5 m <sup>2</sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines "Automated electric drive", "Electric machines" for the specialty "Electric Power Engineering".
8	Relay protection and automation	of power engineers 54a, building A, room 122.	On the right of ownership	of the Educational and scientific laboratory. Area 31.3 m <sup>2</sup> is 31.3 m <sup>2</sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the discipline "Relay protection and automation" for the specialties "Electric power Industry", "Automation and Control".

9	Electronics	of Power engineers 54a, building A, room 120.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 30.0 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the discipline "Electronics" for the specialties "Electric Power Engineering", "Automation and Control"
10	Power Supply	of Power Engineers 54a, building A, room.112.	On the right of ownership	of the Educational and scientific laboratory. The area is 16.9 m2. It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines "Power Supply of industrial enterprises", "Electric networks and systems" for the specialty "Electric Power Engineering".
11	Microprocessor technology and industrial controllers	of Power engineers 54A, building A, room 125.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 41.9 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines "Automation of technological processes and production" for the specialties "Electric power Industry", "Automation and Control".

12	Theoretical foundations of electrical	engineering for power engineers 54a, building A, room no.124.	On the right of ownership	of the Educational and scientific laboratory. The area is 90.5 m2. It is intended for research and development of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines "Theoretical foundations of electrical engineering" and "Theory of electrical circuits" for the specialties "Electric power Industry", "Automation and Control", "Heat Power Engineering", "Metallurgy", "Transport, transport equipment and technology", "Organization of transportation and communication". traffic management", "Professional training".
13	Heat and mass transfer processes	of Power engineers 54a, building C, room 210, .	On the right of ownership	of the Educational and scientific laboratory. The area is 59.7 m2. It is intended for research work of students and employees of the Institute's departments in the direction of conducting laboratory work in the disciplines "Heat and mass transfer", "Heat and mass transfer processes and installations".
14	Electricity and Magnetism	Power Engineers 54a, building A, room.111.	On the right of ownership	of the Educational and scientific laboratory. The area is 36.3 m2. It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work on the discipline "Physics"

of the	Department of Electrical	Engineering of Power Engineers 54a, building A, room 120a.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 34.2 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of conducting laboratory work in the discipline "Electrical Engineering and fundamentals of electronics"
16	, Optics and nuclear Physics	of Power Engineers 54a, building A, room 35a.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 20 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the discipline "Physics"
17	Molecular Physics and thermodynamics	of Power engineers 54a, building A, room 35b.	On the right of ownership	of the Educational and scientific laboratory. Area 36.8 m <sup>2</sup> <sup>is 36.8 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work on the discipline "Physics"
18	Robotics and tprogramming Power	Engineers 54a, building A, room. 37.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 36.0 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines "Programming Technology", "Development of software complexes based on OP", "Algorithm of data structure and programming", "Robotics and programming of microcontrollers".



19	On technological machines	of power engineers 54a, building C, aud.106.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 70.4 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work on the discipline "Repair of technological machines"
20	Electric rolling stock	of Power engineers 54a, building C, room 205.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 57.1 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines of "Locomotive repair", "Auto braking", "Train traffic safety", "Locomotive management".
21	Thermal and electric power stations	of Power engineers 54a, building C, room 209.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 57.8 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work on the discipline "Heat engineering measurements and devices"
22	Chemistry	of Power Engineers 54a, building B, room.6.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>is 44 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work on the discipline "Chemistry"

23	Web-technologies	of Power engineers 54a, building A, room.22.	On the right of ownership	of the Training laboratory. The area <sup>is 81.9 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines "Web technologies", "Development and testing of Web applications and principles of building Web servers" Mobile application development, Programming in JABBA "
24	Information and communication technologies	of Power engineers 54a, building A, room. 21.	On the right of ownership	of the Training laboratory. The area <sup>is 92.1 m<sup>2</sup></sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work on the discipline "Information and communication technologies"
25	Physicists	Power Engineering Physics 54a, building A, room 35.	On the right of ownership	of the Educational and scientific laboratory. The area <sup>of 59 m<sup>2</sup></sup> ., is intended for research and development of students and employees of the Institute's departments in the direction; conducting laboratory work in the disciplines "Technology of metallurgical production and production", "Theory of metallurgical processes", "Theory and technology of ferroalloy production", "Physical and chemical methods of research of metallurgical processes" for the specialty "Metallurgy".

26	Cars	of Power engineers 54a, building C, room 105.	On the right of ownership	of the Educational and scientific laboratory. Area <sup>of</sup> 70.4 m <sup>2</sup> . It is intended for research work of students and employees of the Institute's departments in the direction of; conducting laboratory work in the disciplines "Maintenance and operation of cars", "Technological design of a motor transport enterprise", "Organization and road safety". "fundamentals of car manufacturing and repair technology".
27	Laboratories for geodesy	of power engineers 54a, building C, room 108.	On the right of ownership	Educational laboratory. The area <sup>is</sup> 56.6 m <sup>2</sup> . Purpose conducting laboratory and practical work on the disciplines of the department; consultations on bachelor's degree

preparation 28	Academic M. P. Mardenov's study room (virtual laboratory)	ul. Energetikter, 54a, building B, aud. No. 7 (B-7)	On the right of ownership	<p>is a Virtual laboratory. The area<sup>is 56 m<sup>2</sup></sup>. It is intended for carrying out laboratory works in the disciplines "Mechanical properties of materials", "Materials Science and TCM", "Fundamentals of heat power engineering", "Theoretical foundations of heat engineering", "Fluid and gas Mechanics", "Heat generation and heat networks", "Superchargers and heat engines", "Telomass Transfer", "Applied Mechanics", "Theoretical mechanics", "Resistance of materials".</p> <p>For consultation</p> <p>- academic research work of students in the field of training: 6B072- Manufacturing and processing industries 6B071-Engineering and Engineering</p>
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## 1 Research topics of the Institute (see Tables 1.1 and 1.2)

Department of "Construction": "Research, design and construction on salt-containing powdery clay soils".

Department "Automation and Information systems": "Research, design and development of automated information systems in various fields".

Department of "Business and Management": "Mechanism of organization of effective management in enterprises and organizations".

Department of Transport: "Research of technological and design parameters of transport systems and technologies of the transportation process with respect to traffic safety and environmental balance".

Department of "Mining": "Evaluation of rocks and development of optimal fastening parameters".

Department of Social and Humanitarian Disciplines: "The use of active learning technologies in the modern educational process of the college".

Department of Metallurgy and Technology: "Analysis of the use of coal briquettes in industry, in everyday life and the possibility of production from local raw materials".

Department of "Power Engineering": "Modernization of the power supply scheme of the tool shop of the enterprise "GIDROPROM"LLP.

Table 1.1-Information about concluded contracts with third-party organizations

No	. Name of the department	Name of the customer organization, dates of conclusion of contracts	Topic of work
1	AiIS	NUE "Ekibastuz College of Engineering and Technical Institute named after Academician K. Kropotkin" Satpayeva" (EKITI), 2024-2025. In the amount of 2,700,000 tenge.	Development of an automated information system for the secretary of the SAC, GEK EKITI
2	BiU	"Nytcom" LLP, 2023-2025. In the amount of 1053600 tenge.	Development and implementation of the personnel development program of Enterprise
3	DG APIC	Engineering LLP, 2025-2027 In the amount of 3000000 tenge.	Assessment of rocks and development of optimal fastening parameters for the conditions
of the Akhmetkino 4	St deposit	of Vershina Group EK LLP, 2025-2027. In the amount of 6000000 tenge.	Surveys, design and construction on salt-containing powdery clay soils
5	Tr	"Zholaman EK" LLP, 2025-2027 In the amount of 1700,000 tenge.	Improving the reliability of city buses
6	E	GIDROPROM LLP, 2024-2028 In the amount of 6,100,000 tenge.	Modernization of the power supply scheme for the tool shop of GIDROPROM LLP

Table 1.2 - Information on initiative topics implemented at the expense of own funds

#	Name of the department	Period of work on the topic	Topic of work
1	MT	2022-2025	Analysis of the use of coal briquettes in industry, in everyday life and the possibility of production from local raw
materials 2	Tr	2023-2026	Extension of maintenance intervals for Belaz 75131 and CAT 785 D dump trucks

## R & D indicators by department for the 2024-2025 academic year (Table 2).

Table 2-R & D indicators by department

n /	a Name of the department	Articles						Books				Security documents		of the teaching				staff Implementation of research results		Financing of research			
		Database (KKSON)	Database (Scopus)	Database (TR)	Database (RSCI)	Other databases	Outside of databases	Textbooks	Textbooks	Monographs	Other	Patents	Author's certificates	Number of teaching staff total, pers.	Part-timers	With academic degrees	Passed advanced training	Certificates of implementation of research results in the educational process	Acts of implementation of research results in <u>production</u>	On the basis of khoz. contract, thousand tenge	From funds of the Institute, thousand tenge	Grant, thousand tenge	Initiative themes quantity
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	St	-	-	-	13	-	-	2	-	-	-	-	1	11	3	5	-	1	-	6000	-	-	-
2	Aims	1	-	-	-	-	6	7	-	-	-	-	4	19	7	4	5	4	2	2700	-	-	-
3	Biu	-	-	-	2	-	6	-	-	-	-	-	-	13	4	3	-	1	-	1053,6	-	-	-
4	Tr	-	1	-	-	-	14	5	-	-	-	-	1	21	9	4	1	-	-	1700	-	-	1
5	GD	-	-	-	-	-	-	-	-	1	-	-	-	13	3	6	5	1	4	3000	-	-	-
6	SGD	-	-	-	1	-	-	-	-	-	-	-	-	12	2	7	3	-	-	-	-	-	-
7	MT	-	1	-	1	-	-	1	-	-	-	-	2	12	4	7	-	-	-	-	-	-	1
8	EN	2	1	-	-	-	2	-	-	-	-	2	-	16	5	4	1	-	1	6100	-	-	-

For the 2024-2025 academic year, the Institute's teachers published 51 articles. Of these, 17 articles are indexed in the RSCI.

3 articles were published in the journals recommended by KKSON, as well as 3 articles indexed in the Scopus database (authors: Nurmaganbetova B. N., Umarova B. A., Imangazinova D. K.).

## 2.1 Publishing activities for the academic year 2024-2025:

1) монография «Жазық кеншоғырларды қазып өндіруді геомеханикалық қамтамасыз ету», авторы - Кайназарова А.С., Балпанова М.Ж.

2) учебное пособие «Құрылыс өндірісінің технологиясы», авторы - Унайбаев Б.Б., Ищанова А.Ш.

3) учебно-методическое пособие «Ақпарат және кодтау теориясының негіздері», авторы – Кожамжарова М.К., Зозуля Е.С.;

4) educational and methodical manual "Mathematical foundations of discrete systems", authors-Kydyrbaeva A. B., Bystrova S. V., Seitkanov S.;

5) educational and methodical manual "Fundamentals of information theory and coding", authors – Kozhamzharova M. K., Vasilyuk A. I., Kabanets T. Yu.

6) методическое указание по лабораторным работам «Материалтану және құрылымдық материалдар технологиясы», автор - Нурмаганбетова Б.Н.

7) textbook "Automated station systems in railway transport", authors-I. I. Mikhaylidi, Sh. T. Ibysheva;

8) textbook "Interaction of modes of transport", authors-Mikhaylidi I. I., Shalabaeva A. A., Ibysheva Sh. T.

9) textbook "Cargo science", authors-S. R. Shalabekov, B. A. Umarova, A. A. Shalabaeva.;

10) textbook "Car construction", author-R. S. Zhakimbekov.;

11) textbook "Engineer of graphic design", authors-Zh. Kh. Dainova, T. A. Kanaeva.

12) textbook "Automated information and control systems", authors-Kydyrbaeva A. B., Zhalmagambetova D. K., Bystrova S. V.

13) textbook "Virtual and augmented reality technologies", authors - Zozulya E. S., Eralimova G. S., Novikov V. V.

14) training manual "Practicum on probability theory and mathematical statistics", authors: Kydyrbaeva A. B., Akishev T. B., Asylova K. B.

15) учебное пособие «Виртуалды және кеңейтілген шындық технологиялары», авторы - Кожамжарова М.К., Зозуля Е.С., Сиваракша Д.М.

## Logistics, availability of specialized laboratories, etc. (table 3)

Table 3-Specialized material and technical support

No. p / p	Department	Name of the research and production complex (laboratories; technology parks; business incubators; design bureaus; experimental sites, etc.)	On the basis of the Institute	Outside the Institute
1	2	3	4	5

1	St	Laboratories	1	
2	AiS	Laboratories	3	
3	BiU	Centralized computer auditorium equipped with an interactive whiteboard, personal computers with software (IS SONO, IS ESF) for 40 seats	1	
4	Tr	Laboratories	1	
		Specialized office	2	
		Polygon	1	
5	DG	Laboratories	2	
		Specialized office	3	
		Virtual laboratory	1	
6	SRS			
7	Mt	Laboratories	8	
8	En	Laboratories	8	

### **Holding exhibitions, conferences, seminars, competitions, Olympiads, etc. at the Institute.**

On March 13, 2025, a Regional subject Olympiad for schoolchildren was held dedicated to the 85th anniversary of the founder of Ekibastuz Engineering and Technical Institute, Doctor of Physical and Mathematical Sciences, Academician M. P. Mardenov. Before the Olympiad, the rector of EITI D. M. Sivaraksh conducted a fascinating tour of the M. P. Mardenov Museum, which especially impressed the graduates of city schools.

The Olympiad was held in four subjects: mathematics, physics, computer science and history of Kazakhstan. Teachers of the departments of Metallurgy and END, AiIS and SRS prepared Olympiad tasks, and then checked and summed up the results.

The participant who took the 1st place was also awarded a grant in the form of a 50% discount, the participant who took the 2nd place-a 25% discount, the 3rd place-a 10% discount for the first year of study at the EITI named after Academician K. I. Satpayev.

On 15.12.2024, a seminar "Experimental method for setting dynamic parameters of automatic control systems at thermal power plants" was held, speakers D. M. Sivaraksha, S. V. Bystrova, 17 participants.

On 15.02.2025, an educational and methodological seminar was held on the topic "Integration of artificial intelligence into educational programs: how neural networks can help teachers update and improve educational materials. Collective development of documents using Google services", speaker E. S. Zozulya, 18 participants.

On 11.04.2025, a scientific seminar was held on the topic: "Innovative technologies in metallurgy", speaker Nurmaganbetova B. N., 20 participants.

In the 2024-2025 academic year, the Department of Automation and Information Systems hosted the second stage of the annual Republican contest of student research papers (R & D) among higher educational institutions of the Republic of Kazakhstan under the educational program 6B07103-Automation and Management. The event was attended by such universities as: NAO "Toraigyrov University", "Korkyt ata atyndagy Kyzylorda University" KEAK, NAO "Kazakh National Research Technical University named after K. I. Satpayev", NAO "Taraz University named after M. H. Dulati", NAO "Almaty University of Energy and Communications named after Gumarbek Daukeyev",



JSC "Kazakh-British Technical University". On May 23, 2025, a meeting of the competition commission was held and the results were summed up.

**4.5)** On May 15, 2025, the international scientific and practical conference "Improving the quality of education, modern innovations in science and production" was held, dedicated to the 85th anniversary of the first rector of Ekibastuz Engineering and Technical Institute named after K. Satpayev, President, Doctor of Physical and Mathematical Sciences, Professor Marat Pazylovich Mardenov.

The conference was organized by the EITI named after Academician K. Satpayev, Republic of Kazakhstan, and a branch of Kuzbass State Technical University named after T. F. Gorbachev in Prokopyevsk, Russian Federation.

The conference consisted of two parts: a plenary session in the format of discussion and work in seven sections.

At the plenary session, the following speakers delivered their opening remarks: Rector of the EITI named after Academician K. A. Satpayeva Ph. D., Associate Professor Sivaraksha D. M., with a welcoming speech Director of the branch of KuzbASS State Technical University named after T. F. Gorbachev Ph. D., Associate Professor Pudov E. Yu. (in the format of a video message), with reports: chairman of the Ekibastuz city Maslikhat Makraev N. K., senior lecturer of the ITMA department of the branch of Kuzbass State Technical University named after T. F. Gorbachev Shalkov A.V. and student Syursina E. E., as well as students of the Satpayev EITI (Toishykozha M. (scientific director-Magzumova G. K.), Zhumabekova A. and Ramazanova D. (scientific director-Rakhisheva A. B.), Takeyeva E. (scientific director-Umarova B. A.), Bliznichenko V. (scientific director-Nurmaganbetova B. N.), Fedoryakin I. (scientific director-Kolesnichenko N. Yu., Krutous S. F.), Starkov Yu. (scientific director-Kozhamzharova M. K., Idrisov B. S.), Kravtsova S. and Lubyanyaya A. (scientific director-Rakhisheva A. B.)

The section work was carried out in the following seven areas:

Section 1. Mining and metallurgy.

Section 2. Modern aspects of economics and finance.

Section 3. Social and humanitarian knowledge: theory and practice.

Section 4. Construction and transport.

Section 5. Electric power, heat power and automation of technological processes.

Section 6. Information technologies.

Section 7. Labor protection and industrial ecology.

### **Participation of teaching staff in exhibitions, conferences, seminars, competitions, Olympiads, etc.**

Table 4-Participation of teaching staff in exhibitions, conferences, seminars, competitions, Olympiads, etc.

№	Full name	of the conference, Olympiad, etc.	Place Venue (country, city)	Сроки	Примечание
1	2	3	4	5	6

1	Зозуля Е.С.	ХАКАТОН «Сәтпаев ізбасарлары I»	г. Ekibastuz	14.12.2024 - 15.12.2024	Jury member
2	В. В. Unaibayev	Regional Subject Olympiad for schoolchildren dedicated to the 85th anniversary of the founder of Ekibastuz Engineering and Technical Institute, Doctor of Physical and Mathematical Sciences, Academician M. P.	Mardenov Ekibastuz	13.03.2025	Organizing Committee
3	A. B. Kydyrbayev	VI International Student Scientific and Practical Conference "Youth Digital Forum YDF- 2025" International University of Information Technologies	, MoscowAlmaty	27.03.202.03 .2025	
4	Kydyrbaeva A. B., Zozulya E. S., Kozhamzharova M. K.	Olympiad in Informatics and Programming, Innovative Eurasian University	Almaty Pavlodar	29.03.2025	Letters
5	of thanks 5 B. B.	Unaibaev V MNPK "New look at the education system", Festival"Science through the eyes of youth"	Prokopyevsk, Russia	17.04.2025- 18.04.2025	
6	A. S.	Kainazarov Republican subject Olympiad on the educational program Mining, K. I. Satpayev KazNTU	Almaty	22.04.2025- 26.04.2025	Letter of thanks (II degree diploma)
7	Mazhit A. A.	Republican subject Olympiad on the Metallurgy educational program, NAO "Aktobe Regional University named after K. Zhubanov	" Aktobe	24.04.2025- 25.04.2025	Letter of thanks (diploma of the III degree)
8	Sivaraksha D. M., Faculty of EITI	Exhibition-expositionin memory of the scientist, founder of Ekibastuz Engineering and Technical Institute Marat Pazylovich Mardenov in the city museum	of Ekibastuz. Ekibastuz	21.05.2025	
9	Kainazarov A. S.	Republican research competition in the section "Mining", NAO "D. Serikbayev East Kazakhstan Technical University"	g. Ust- Kamenogorsk	06.05.2025	Letter of thanks (diploma II degrees)

## RESEARCH WORK OF STUDENTS

### Student research and development in indicators (Table 6)

The Institute has 8 student scientific circles, which were attended by 80 students, 34 take part in research on a contractual basis. Students published 30 articles (Tables 6, 7).

Table 6-Student R & D indicators

n /	a Name of the department	Number of student scientific circles	Number of participants	Participated in Olympiads	of Olympiad winners	Participated in conferences	Participated in	competitions of competition winners	Number of theses that have passed the introduction	of student publications	Participation in research at the khoz. on a contractual basis
1	2	3	4	5	6	7	8	9	10	11	
1	Construction	1	10	2	2	4	-	-	-	4	6
2	AiS	1	10	3-8	-	8	1-2	-	2	7	2
3	BiU	1	10	--	-	7	-	-	-	6	6
4	Tr	2	20	--	-	9	-	-	-	10	2
5	DG	1	10	2	1 - 2	-	2	2-6		-	6
6	SRS (supporting department)	-	-	-	-	-	-	-	-	-	-
7	Mt	1	10	1	1	1	-	-	-	1-8	-
8	En	1	10	--	-	1	-	-	-	2	12

Every year, EITI students take part in Olympiads, competitions and win prizes (Table 7).

Table 7-Information about students ' participation in conferences, Olympiads, competitions, seminars, round tables, competitions, etc.

n /	a Student's full name, group	Name of the conference, Olympiad, and so on.	Prize place	Date of receipt of the award	Venue (country, city)
1	Abilda R. Zh., BGD-21k, Abdrakhmanova V. V.,	Republican research competition in the section "Mining"	Diploma of the II degree	6 May	2025, Ust-Kamenogorsk

	BGD-31				
2	Subratova E. O., BMT-31	Republican subject Olympiad in the specialty "Metallurgy"	Diploma of the III degree	24-25 April 2025	RK, Aktobe
3	Mukatai Maksat Zhumatuly, BGD-21	Republican subject Olympiad in disciplines: Fundamentals of mining production, Rock physics, Mining technology	Diploma of the II degree	22-26 April 2025	, Almaty
4	Abilda Rustam Zhanatuly, BGD-21k	Republican subject Olympiad in the following disciplines: Fundamentals of mining, Rock physics, Mining technology	Certificate	22-26 April 2025	RK, Almaty
5	Shamshkenov Timur, Radaykin Dmitry, BIS-21, Abekov Temirlan, BIS-11c	Olympiad in Computer science and programming at the Innovative Eurasian University	Certificate	April 2025	RK, Palodar
6	Novikov Vladimir, Shamshkenov Timur Dmitry Radaykin, BIS-21	VI International Student Scientific and Practical Conference "Youth Digital Forum YDF-2025", organized by the International University of Information Technologies (IIT)	Certificate	March 27, 2025	RK, Almaty
7	Osipova Alexandra Konstantinovna, BST-31	Intellectual Olympiad of the first level on the subject" Fundamentals of technical mechanics "on the platform of the information resource"Clever Quizzes"with international participation	Diploma of the second degree	October 10, 2024	RK, Almaty
8	Amantay Eldar, BST-21	All-Russian Olympiad on the subject" Fundamentals of technical mechanics "on the platform of the information resource "Clever Quizzes" with international	Diploma I degrees	October 15, 2024	Russian Federation, Omsk

		participation Engineering Graphics			
9	Subratova E. O., BMT-31	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russian Federation	Certificate	May 15	, 2025 Ekibastuz
10	Alyonova A. S., BE-11, Sadyk D. E., BM-11	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
11	Efremova V. R., Nechaeva A.V., BE-11	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
12	Zhakypova R. S., Akhanova D. D., BE-11	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
13	Zhumabekova A.M., BM-11, Ramazanova D. K., BE-11c	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
14	Kravtsova S. I., BF-11, Lubyanaya	A.D., BE-11 MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
15	Ospanova D. B., BM-11	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
16	Aleev A. K., BTT-21c	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz

17	Akhmetov I. K., BOP-21bb	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
18	Poletaev M. I., BTT-21	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
19	Aubakirov E. M., BTT-21c	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
20	Mergaliev D. S., BTT-21c	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
21	Kyzdarbekova A. A., BOP-11c	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
22	Andrienko D. A., BTT-31	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
23	Serikpayev E. B., BOP-21c	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
24	Takeeva E. N., BOP-21c	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
25	Sansyzbay M. M., BST-31	MNPK Improving the quality of education, modern innovations in science and production,	Certificate	May 15	, 2025 Ekibastuz

		Ekibastuz, Prokopyevsk, Russia			
26	Serik m, BST-21	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15, 2025	Ekibastuz
27	Zheng'ulov Zh. R., BST-21	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
28	Osipova A. K., BST-31	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
29	Serik A. Zh., BOP-21c	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
30	Rakhpanov A. N., BEE-21c	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
31	Fedoryakin I. A.,	BEE31 MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
32	Novikov V. V., BIS-21	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
33	Serikova A. K., BIS-31, ұмат Zhumat A. Zh., BIS-41k	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
34	Starkov Yu.	MNPC Improving the	Certificate	May 15	, 2025

	V., BIS-31	quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia			Ekibastuz
35	Tretyakov V. V., BIS-21c	MNPK Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
36	Tsoi A. Zh., BIS-21	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz
37	Chub B. L., BIS-21	MNPC Improving the quality of education, modern innovations in science and production, Ekibastuz, Prokopyevsk, Russia	Certificate	May 15	, 2025 Ekibastuz

## 5. International cooperation

International activities are carried out in various areas, including work under cooperation agreements, initiative events, foreign business trips to establish contacts with scientists and invite them to the Institute, training and advanced training in foreign universities, participation in international conferences of the CIS and far abroad countries, etc.

### **Cooperation with educational organizations, scientific and/or scientific-educational and / or scientific-production centers in the relevant areas of personnel training**

1 foreign teacher (lecturer) was invited to the Department of Business and Management (Table 5)

Table 5-Information about invited foreign teachers (lecturers)

N o. p / p	Full name of invited foreign teachers (lecturers)	Academic degree, academic title	A country	Name of the university	Discipline	Number of credits	Execution period	Teaching Staff Mobility Agreement (number and date)	Report on completed work (number and date)
1	Serbina	Candid	RF	Ural State	Career	16	14.02.20	Contract	Act



	Natalia Vitalievna	ate of Techni cal Science s, Associa te Profess or		University of Economics	managem ent	hours	25-10.03.2025		
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Imangazinova D. K. from 17.02.2025 to 18.03.2025 was trained in the Federal State Autonomous educational institution of Higher Education "National Research Tomsk Polytechnic University" under the program "Development of methods for detecting damaged sections in three-phase windings of electric machines" in the amount of 144 hours.

For the 2024-2025 academic year, 6 teachers took part in the Credit Mobility program at the Kostanay Socio-Technical University named after V. I. Abramovich. Academician Zulkharnai Aldamzhar: Zozulya E. S., Kozhamzharova M. K., Dainova Zh. K., Diba T. V., Kosherova K. K., Rakhisheva A. B. and 1 lecturer Bogarov M. Ya. at the D. Serikbayev East Kazakhstan Technical University.

### **Cooperation with educational organizations, scientific and/or scientific-educational and/or scientific-production centers.**

On January 14, 2025, a Memorandum of cooperation in the field of science and education was signed with the International Taraz University named after Sherkhan Murtaza.

In January 2025, an agreement on cooperation and partnership was signed with the KSU "Center for Development of Youth Initiatives" of the Department of Internal Policy of the Akimat of Ekibastuz.

Cooperation with academies:

EITI is an associate member of the National Academy of Mining Sciences, a member of the Association of Higher Education Institutions of the Republic of Kazakhstan.

B. J. Unaibaev-Academician of the National Academy of Medical Sciences, A. S. Kainazarov-corresponding member. NAGN.

## **6. Educational work**

At the beginning of the 2024-2025 academic year, action plans for educational work were approved, as well as the work plan of the Committee for Youth Affairs (KDM) and its staff was approved.

In accordance with the established priorities, the main areas of educational work are:

1. Education of Kazakhstan's patriotism and citizenship, formation of legal culture and legal awareness;
2. Spiritual and moral education aimed at developing the internal culture of the individual and ethical values;

3. National education, formation of respect for national traditions, language and cultural heritage;

4. Family education, strengthening family values and developing responsibility for creating and maintaining a family;

5. Labor, economic and environmental education, formation of labor skills, economic thinking and environmental responsibility;

6. Intellectual education and development of information culture, stimulating cognitive activity, critical thinking and information handling culture;

7. Physical education and formation of a healthy lifestyle, development of physical activity and health culture among young people.

At the end of the academic year, students of all departments actively participated in various competitions, seminars and events of the city level, as well as proved themselves in regional and republican sports competitions.

During the year, the following meetings, meetings, events, seminars, and debates were held:

- A meeting of first-year students was organized with the director of the KSU "Center for the Development of Youth Initiatives" and representatives of youth organizations of the city of Ekibastuz;

- "Health is the beginning of everything" health Day event with freshmen;

- Teachers of the Department of "Energy" Candidate of Technical Sciences, Professor Kambarov Zh. and old.teacher. K. K. Asylkhanov held a discussion with 1st and 2nd year students on the topic "Prospects for NPP construction". Discussed the initiatives of the President of the Republic of Kazakhstan on holding a referendum;

- Under the coordination of the Ekibastuz city Prosecutor's Office, a large-scale action "Nashakorlykka zhol zhok" was held. Our students participated in this action together with the rector of the Institute. In order to identify graffiti-inscriptions that promote illegal content, as a result of traversing the area, the identified locations of drug graffiti were eliminated by painting over.

- Participation of our students in the track and field friendly race "Ekibastuz against drugs";

- Within the framework of the month, events dedicated to the month of languages were held;

- A table tennis tournament among youth organizations was held by the Center for the Development of Youth Initiatives. Students of the ak EITI participated from our institute. K Satpayeva Ablaev Rasul - Student Ombudsman and Isenov Musa-Deputy Chairman of the KDM. Congratulations to our participants on winning prizes: Musa Isenov – 1st place, Rasul Ablaev-3rd place;

- Meeting of students with the headquarters for support of the national referendum in connection with the construction of the nuclear power plant

- Participation of our student activists in the youth public organization "Steppe Eagles", located in Astana. Our students became participants of the Republican Forum "Traitors" and hardened their consciousness of intolerance to the distribution of narcotic drugs;

- Participation of our students in the action "Taza Kazakhstan";

- Students visited the photo exhibition "My native land";

- Students on the occasion of the Republic of Kazakhstan Day participated in the challenge " My Kazakhstan – my pride "under the auspices of"Republic Day";
- Participation of students in the dialogue platform "No one is born a hero";
- In honor of the Republic Day, active youth of the city of Ekibastuz took part in an excursion to the Military History Museum of the Armed Forces of the Republic of Kazakhstan, located in Astana;
- Active youth of the city of Ekibastuz took a tour of the building of the Mazhilis of the Parliament of the Republic of Kazakhstan;
- In the assembly hall of Ekibastuz Engineering and Technical Institute named after Academician K. Satpayev, a meeting was held with the head of the Department of the Agency for Civil Service Affairs of the Republic of Kazakhstan for Pavlodar region Iskenderov Askhat Batyrzhanovich and a member of the Public Council of Pavlodar city Ualittenova Nursipat Islyamovna. During the meeting, students asked questions and graduates were invited to join the Civil Service after graduation;
- First-year students were initiated;
- В стенах института прошел семинар на тему «Дін саласындағы мемлекеттік саясаттың негізгі ережелерін түсіндіру», с директором ТОО «Центра анализа и развития межконфессиональных отношений» управления по делам религий Павлодарской области Раздыковой Г.М.;
- In the conference hall of the Institute, the Head of the Department for combating drug crime of the Ekibastuz City Police Department, Police Captain Baurzhan Taizhanov, held a conversation on the topic "Drugs. Bookmarks";
- Participation and awarding of our students at the youth forum "BALMUZDAQ-2024";
- As part of the event organized by the Ekibastuz City Prosecutor's Office, on November 15, 2024, our students and their advisors attended the screening of the film "Sheker: Last Chance!";
- Under the guidance of senior teacher Magzumova Gulnara Kaliyevna, an evening dedicated to the work of Abay Kunanbayev was organized. The event was bright and exciting: students sang songs to the tune of dombra, creating an atmosphere of deep feelings and inspiration;
- Participation of 3rd year student Satbayeva Aigerim in the poetry club"EKB ACOUSTIC";
- Participation of students in the discussion platform "Ilyas Alemi" in honor of the celebration of the 110th anniversary of Ilyas Yeseberlin, which was held in the central library of Ekibastuz;
- «Дін және дәстүр» тақырыбындағы кездесуге «Өнер» ҚМС үлкен залында біздің студенттер бқатысты;
- 28 қаңтарда академик Қ.Сәтбаев атындағы Екібастұз инженерлік-техникалық институтында «АДАЛ ЕҢБЕК – АДАЛ АДАМНЫҢ БЕЙНЕСІ» дөңгелек үстелі өткізілді. Дөңгелек үстелге біздің студенттермен Екібастұз қаласының бес колледженің студенттердеріде қатысты. Дөңгелек үстелдің қонағы 20 жылға жуық уақытын теміржол саласына арнаған депо бастығының орынбасары (өндіріс бойынша) Сарыбай Болат Шәкірұлы болды. Болат Шәкірұлы өзінің еңбек

жолындағы қиында, қызықты сәттерімен бөлісіп, жастарға жұмысшы мамандықты таңдау маңыздылығы туралы сөз сөйледі;

– In order to prevent crime among young people, as well as other offenses and crimes committed by young people, a meeting was organized with the prosecutor of Ekibastuz Masabek N. S. Issues of safety of life and health of children were raised. He explained to students the concept of extremism, how it is dangerous, how it manifests itself in modern society, and how to counter this dangerous phenomenon. On criminal liability for participation in unauthorized rallies and calls for their participation. Students were informed about the age at which criminal liability begins and what penalties are applied for committing crimes;

– Садақ ату – көшпенді халықтың көнеден келе жатқан мергендік спортының бір түрі. Қазір садақ ату - бұл дене бітімін сақтауға, дәлдікті, ойлау өткірлігін дамытуға ықпал ететін әдемі және қызықты спорт түрі. Осыған орай “Бейбітшілік батырлары” дәстүрлі садақ атудан турнир өтті. Жүйріктен жүйрік озар, жарысқанда, Тұлпардан тұлпар озар, шабысқанда демекші, турнирге студенттер қатысып, бақ сынасты;

– Participation in the evening of poetry in honor of the 94th anniversary of Mukagali Makatayev;

– Participation of students and teaching staff of the Institute in laying flowers on the 36th anniversary of the withdrawal of Soviet troops from Afghanistan, in the park of internationalist warriors;

– In accordance with the work plan of the Psychological Service, an event on the topic "Harassment: signs, law, methods of counteraction" was held at the Academician K. Satpayev EITI. Students were introduced to the concept, characteristics, classification of harassment, and the content of the UN Convention against Harassment. The psychologist gave recommendations on what to do if you were harassed;

– Karaganda hosted the AIGA Youth Grappling Championship of the Republic of Kazakhstan, and our student from the Mining Department, Ismail Kunayev, took 3rd place. Congratulations to Ismail Kunayev;

– Жастар орталығында «ЕКВ ACOUSTIC» поэзия кеші өтіп, әдебиетке деген сүйіспеншілікті арттыру мақсатында «Шабыт шырағы» поэзия клубы ашылды. Сол поэзия клубының бір мүшесі біздің студент қызымыз - Сатбаева Айгерим Жарилкаповна болды;

– Pavlodar hosted the UWW Men's Grappling Championship of the Republic of Kazakhstan, and our student from the Mining Department, Ismail Kunayev, took 2nd place. Congratulations! We wish you more victories;

– Today, the prevention of smoking, alcoholism and drug addiction is the main goal for maintaining a healthy generation. In this regard, in order to maintain a healthy lifestyle, our psychologist conducted a preventive conversation with 2nd-year students on the topic "Combating smoking, drug addiction, legal and medical consequences of using narcotic and psychotropic substances". The psychologist explained that every person is responsible for their behavior, anti-drug attitudes, and promoted a healthy lifestyle;

– “Шоқан Уәлихановтың 190 жылдығын атап өту аясында 1-курс студенттерімен “Мәңгілік өшпес жарық жұлдыз” тақырыбында пікірталас өткізілді;

– Congratulations from the administration and from the KDM on the day of March 8;

– Cooperation between Ekibastuz construction companies and the Satpayev EITI is becoming a tradition. On March 13, 2025, Head of the Department of "Construction" Ishchanova A. Sh. and Professor of the Department, Doctor of Technical Sciences Unaibayev B. Zh. visited the leading construction company of the city — Vershina LLP. The visit was timed to coincide with the 65th anniversary of the company's Deputy Director Kuanyshiev Albek Vladimirovich. Within the framework of the meeting, communication with the friendly staff of the enterprise also took place;

– Студенттердің алғысы. Алғыс айту - жүрекке жылу сыйлайтын керемет қасиет, қарапайым адамгершілік парыз. Алғыс айта білген адам алғыс арқалай алады;

– The national decade of Nauryznam started today in Kazakhstan. The first day of the decade-Korisu kuni - is a day of greeting and paying homage to elders, as well as the first celebration of the onset of spring. On this day, all employees and students of our Institute dressed in Kazakh national clothes, thereby expressing their commitment to national traditions and customs. Students and teachers of the Department of Business and Management cordially congratulate their fellow countrymen on this wonderful holiday - the day of greetings, warm meetings and good wishes and wish you peace and good;

– Наурызнаманың 5-ші күні «Ұлттық киім күні - 18 наурыз». Наурыз мейрамының осы күні ұлттық киімдерімізді киіп, қазақ халқының мәдени мұрасын және тарихын дәріптейік;

– Participation of our students in the intellectual contest "IQAS QUIZ";

– On April 16, 2025, in the conference hall of the Satpayev Engineering and Technical Institute, Professor of EITI, Doctor of Philology, N. A. Kebina, spoke on the topic "The role of youth in preserving cultural heritage and development of Kazakhstan: Challenges and prospects". The youth of Kazakhstan is a dynamic and rapidly developing demographic group, on which the country's prospects and development depend. As the country continues its journey of economic transformation, modernization, and global integration, the younger generation is at the forefront of these changes.

– As part of the promotion of "Law and Order", a meeting was held with our students with the heads of the Public Foundation "Adildik Zhane Orkendeu", an anti-corruption volunteer Gulnar Isenov, a representative of the Competition Department of the Anti-Corruption Service for Pavlodar region Aliya Yessimkhanova and a deputy of the Ekibastuz city Maslikhat, director of the Center for Youth Initiatives Development Yerkin Kusan;

– Students of 1-3 years were shown videos "Law. Order. Prevention", "Bookmark";

– The Institute held a preventive conversation on the topics "Prevention of offenses, fraud, dropers, about the dangers of drugs, about the activities of

criminologists" with the senior criminologist of the OKO UP of Ekibastuz, police captain Dzhaksybergenov S. D.;

- Participation of our students in the city's flower-laying ceremony in memory of veterans who died as a result of the Chernobyl disaster;

- Meeting with students with S. B. Aykynbekov, Executive Director for Security of JSC NC "KTZ "" Main Network Directorate "and D. A. Karibayeva, trainer, Manager of the Human Resources Management Department;

- On April 16, 2025, in the conference hall of the Satpayev Engineering and Technical Institute, Professor of EITI, Doctor of Philology, N. A. Kebina, spoke on the topic " The role of youth in preserving cultural heritage and development of Kazakhstan: Challenges and prospects";

- May 1-Open lesson dedicated to the holiday of unity of the people of Kazakhstan;

- On May 3-4, our institute successfully hosted volleyball and football tournaments dedicated to the 85th anniversary of founder Marat Pazylovich Mardenov;

- Участие наших представителей в республиканском молодежном форуме «Жастар саясаты және әлеуметтік даму», в г. Семей, Шәкәрім Университет. Within the framework of the event, the topics of Abai's teaching "Tolyk Adam" and national values, the practice of implementing integral GPA, improving financial literacy, "Law and order" were touched upon;

- Participation of our students in the city flag raising event. It was on this day, June 4, 1992, that the state symbols of sovereign Kazakhstan – the Flag, Coat of Arms and Anthem-were approved for the first time. It is these attributes that embody the country's independence and sovereignty before the world. Embodying the dreams of our ancestors and reflecting the ideas of freedom, these three symbols of independence give a sense of pride to Kazakhstanis.

As a result, no facts of hooliganism, alcoholism, drug use and other manifestations that grossly violate the internal regulations of the university have been established over the past period.

The Institute plans to continue its systematic work in the following areas:

- strengthening and development of educational traditions of the institute through the organization and holding of socio-political and cultural events dedicated to public holidays and memorable dates in accordance with the calendar of the Republic of Kazakhstan;

- improvement of the system of civil and patriotic education of students ' youth;
- development of mechanisms for identifying, supporting and supporting talented young people, as well as enhancing interaction with the Institute's alumni community.

Special attention is paid to the following areas of the educational component of the educational process:

- formation and strengthening of patriotic values;

- development of moral and ethical guidelines;
- fostering a culture of interethnic harmony and tolerance;
- promotion of physical and spiritual development of the individual;
- formation of a respectful attitude to the laws and norms of social behavior.

## **7. Material and technical base**

The Institute has a strong material and technical base. 3 academic blocks / buildings equipped with the required number of classrooms, including:

- 15 computer classes, 15 interactive whiteboards with projectors;
- 25 laboratories on the basis of the university;
- access to certified laboratories on the basis of city-forming enterprises of the city is provided;
- library and 3 reading rooms;
- 227 computers, the ratio with the given number of students is about 20%;
- a set of virtual laboratory works that allow you to perform experiments in real time in the disciplines of "Chemistry", "Resistance of materials", "Electric drive" (specialty of TMO), "Physics", "Materials Science", "Engineering Mechanics", etc.
- The distance learning portal uses the "Online Education System" system for organizing distance and face-to-face training for educational institutions with support for proctoring and webinars from OES LLP (<https://oes.kz>).

The portal is working normally:

- methodological materials that support the educational process have been uploaded.
- conditions have been created for the teaching staff to work remotely.
- interaction between participants of the DOT training process is provided;
- all participants of the educational process are provided with access to the electronic libraries of the university and its partners.

Each building has a separate medical center and food supply point.

The Institute has a sufficient fund of educational, methodological and scientific literature on general education, basic and specialized disciplines of educational programs, including in the state language, and the effectiveness of its use; updating of literature collections in accordance with the standards defined by the qualification requirements for licensing.

The library staff periodically conducts training seminars in collaboration with teachers in order to teach students how to use the electronic database, find, evaluate, organize and effectively use information to solve problems.

Employees of the Institute's library actively interact with representatives of other structural divisions of the university, including teachers (in the planning of educational programs and classes), as well as with employees of the Central Administrative Division. Librarians also help students evaluate the sources available to them, and computer staff understand student requirements for developing and implementing ICT-based student support systems.

Availability of educational literature on electronic media, the share of electronic educational materials in the total volume of library resources; electronic textbooks developed by university teachers meet the qualification requirements for licensing, which is confirmed by the results of verification for compliance with the qualification requirements for the higher education organization COXON of the Ministry of Education and Science of the Republic of Kazakhstan in January 2024.

The availability of electronic textbooks, the electronic reading room fund, educational TV, etc. for students is provided both in offline and online formats.

The university has an electronic catalog of educational materials (textbooks, teaching materials and other educational literature).

The number of annual subscription publications for the university profile on paper did not exceed three titles during the entire analyzed period and met the needs of economic and pedagogical areas, while the needs of technical areas were met by online industry subscriptions, which meets modern requirements for digitalization of the information and educational space. Periodicals in all areas of training are available around the clock on the servers of the State Institution "Republican Scientific and Technical Library" (RNTB). and the Republican Interuniversity electronic Library, which is subscribed to by the Institute.

Assessment of the dynamics of the development of material and technical resources is carried out on an annual basis. The effectiveness of using the evaluation results for adjustments in planning and budget allocation is determined by the level of achievement of key indicators of the Institute's development and is discussed at the collegial level. All the intermediate indicators defined by the strategic development plan were achieved in certain periods, which indicates the effectiveness of monitoring and controlling the allocation of budget funds.

The Institute strives to continuously improve the suitability, adequacy and effectiveness of the QMS and its processes. The Institute's management considers continuous improvement as a priority goal aimed at ensuring customer satisfaction. The Institute reviews and analyzes the results of analysis and evaluation (ratings of educational organizations published on the Internet), the output of management analysis, the results of internal and external audits, the results of corrective and preventive actions, in order to determine whether there are needs or opportunities that need to be considered as measures for continuous improvement.

The Institute strives to improve the quality management system by reviewing the quality policy, quality objectives, and planning and implementing improvement activities.



## Conclusions and objectives

EITI named after Academician K. Satpayev plans to pass accreditation in the following educational programs in 2026:

1. Institutional
2. OP "Electric Power Industry"
3. OP "Teploenergetika"
4. OP "Mining"
5. OP Organization of transportation and transport management

All teachers and managers of the Institute have been qualified for the last 5 years. Continue monitoring and working on continuous professional development of the Institute's teaching staff.

Teaching staff of each training area received the results of their research (author's certificates and patents).

The number of computers used by the Institute in the educational process was more than 300 units.

The Institute has developed a system of student self-government: - Chairman of the Student Council. Participates in the work of the Academic Council ; - Student Council of the Institute; Committee on Youth Affairs; student Parliament.

Students take an active part in various events within the institute, city and region

Updates have been introduced to modular educational programs and catalogs of elective subjects that ensure the implementation of new models and content of continuing education, including using modern information and communication technologies.

Systems of key performance indicators of the Institute have been implemented to objectively assess the results of the teaching staff of the faculty, administrative staff and students of the Institute and to influence and correct the institute's management strategy in a timely manner.

For more than 30 years of its existence, the Satpayev EITI has focused its efforts on joint activities with employers, businesses and government structures in the region. This activity allowed, first of all, to introduce practice-oriented training. Во-первых, Secondly, from a traditional institution to become a real subject of the regional economy. Third, to become a center for conducting research on orders of enterprises, real integration of science and education, by involving teachers and students in research. Fourth, to develop the integration of the institute and business in the creation and implementation of joint educational programs for targeted training of specialists, the participation of employers in the educational process, the final certification of specialists, as well as in the field of integration, the creation of practice bases and in-depth professional training of specialists with practical training on the basis of enterprises, starting from 1- first-year, dual, inclusive education, and double degree programs.

In order to further improve the activities of the Institute's departments, in accordance with the Mission and Policy of the Academician K. Satpayev EITI, the following activities are being carried out:

– attracting investment and receiving additional financial resources for scientific and technical and consulting services for scientific and innovative activities – further

integration of science with production, strengthening the material and technical base of the laboratory and developing cooperation with enterprises in the region, as well as with domestic and foreign academies and centers, taking into account the requirements of EITI and the region;

- there is an active search for investors, both domestic and foreign;
- international scientific cooperation is expanding with participation in joint scientific-practical, scientific-technical and scientific - methodological conferences, seminars, exhibitions, competitions;
- development and implementation of new educational technologies and training support systems;
- development of international cooperation in the system of continuing education;
- development of research activities;
- development of international scientific cooperation;
- organization of effective management and implementation of corporate governance principles;
- support and promotion of professional growth of research and teaching staff;
- creating a system for working with talented young people and the institute's alumni community;
- improvement of the organizational structure;
- formation of an effective management system;
- improvement of civil and patriotic education of young people.

Rector of EITI named after K. Satpayev,

CTS, Associate Professor D. M. Sivaraksha