

«Ekibastuz Engineering and Technical Institute named after Academician K.
Satpayev» Educational Institution



**RECTOR'S REPORT ON THE MAIN AREAS OF ACTIVITY
for the academic year 2021-2022**

Ekibastuz, 2022

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1. General characterisation and management structure of the Institute

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 acts on the basis of the Charter and state licence.

EITI named after Academician K. Satpayev is the only university in the Ekibastuz region, which for 27 years of its existence has trained more than 9000 qualified specialists for the fuel and energy complex of the region and the country.

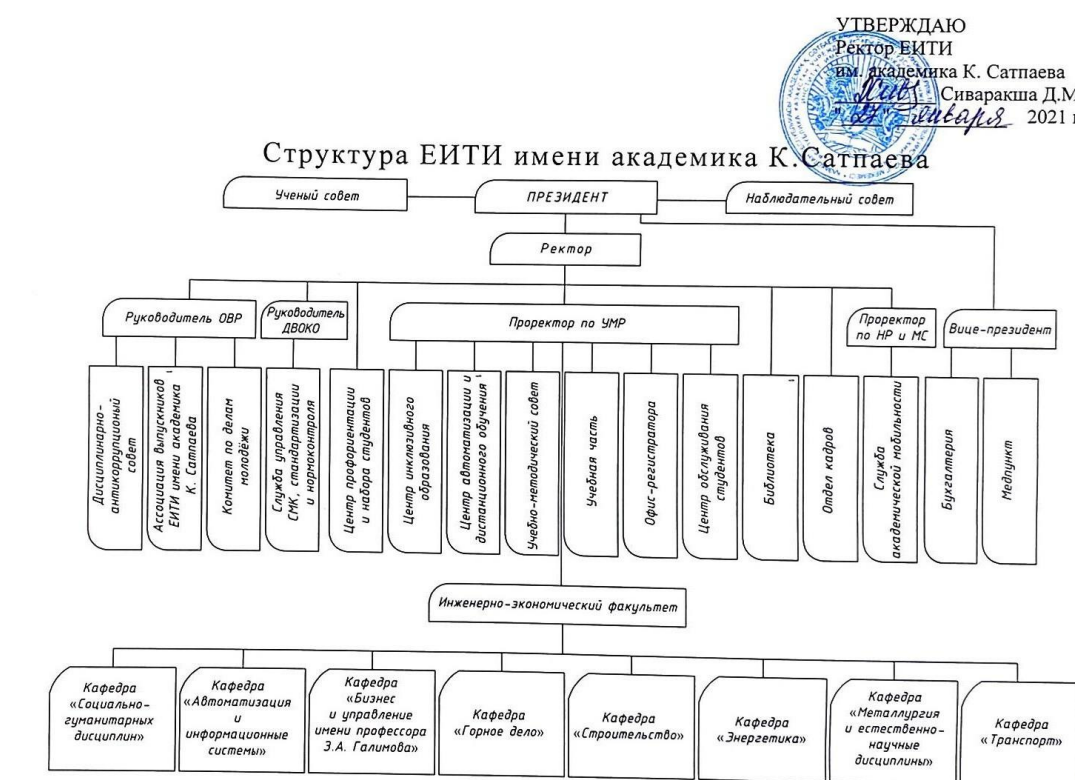


Figure 1 - Organisational structure of the EITI named after Academician K.Satpayev

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

The Institute's activity is primarily aimed at ensuring a high level of student training, in accordance with the requirements of the legislation in the field of education, and market demands.

of labour and puts the quality of knowledge and student-centred organisation of the learning process at the heart of the process.

In 2021 the Institute took the 11th place among the best technical universities of RK according to the National Rating conducted by the Independent Agency for Quality Assurance in Education. Many universities could not even get into this rating.

In addition, in 2022, the Institute has been successfully accredited for 4 educational programmes, namely Organisation of Transportation, Traffic and Operation of Transport; Construction; Metallurgy; Finance.

One of the key priorities of EITI named after Academician K. Satpayev is to ensure employment of graduates, which is more than 87%, which is repeatedly noted by high positions in the rating of universities conducted by NPP "Atameken", in the ratings of which our EPs are among the TOP-10 in the Republic of Kazakhstan.

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, *Heat and power engineering* - 3rd place, *Construction; Organisation of transportations on railway transport* - 5th place, *Technological machines and equipment* (Mining machines and equipment); *Electric power engineering* (Electric power supply of industrial enterprises and cities); *Automation and control* (Automation and control of technological processes) - 5th place, *Electrical power engineering* (Electrical power supply of industrial enterprises and cities); *Automation and control* (Automation and control of technological processes) - 5th place

This is facilitated by close co-operation with the region's enterprises, which make an invaluable contribution to the development of the higher education system. B institute introduced и constantly improved credit technology of training on all specialties and educational programmes on all forms of training, providing the development of independence of students and individualisation of their learning. Training is conducted on state and Russian languages.

In addition, EITI named after K.Satpayev is actively implementing the recent instructions of the President, who instructed to open more technical universities, to focus on engineering specialties and to develop double-diploma programmes. Namely:

25 February 2022 EITI named after K.I.Satpayev signed a Memorandum on mutual cooperation with the Akimat of Pavlodar region and such major enterprises as "EkibastuzFerroAlloys" LLP, "Mineral Product International" LLP, Aksu Electrometallurgical Plant.

The Tripartite Treaty is necessary to strengthen co-operation and unite the common efforts of the parties in order to improve their performance B scientific and technical in the field of science and technology, undergoing industrial practice students c further further employment. According toaccording to Saken Shayakhmetov, Deputy Mayor of the region in charge of investments, entrepreneurship development and FEZs, training of personnel

is also important from the point of view of attracting investments, which is considered key for the region.

A Memorandum of Understanding was signed with the Rector of Novosibirsk State Technical University and the management of "Prommashkomplekt" LLP with the aim of close co-operation in terms of double-diploma, exchange of experience, practical training and further employment of students.

Also, on June 16, 2022 the management of the Institute and the faculty of the department "Transport" visited the largest enterprises of Kazakhstan, such as "Locomotive Kurastyru Zauyty" - the plant, working on innovative technology for the production of the latest diesel locomotive TE33A series "Evolution" under the licence of the strategic partner of the Company General Electric Transportation, "Electric locomotive Kurastyru Zauyty", the plant, which together with the company Alstom, launched the production of traction transformers for electric locomotives. They also visited the head office of JSC "Kazakhstan Temir Zholy" - the Automated Carriage Control Centre, the museum of the history of KTZ. A special part of the excursion was a visit to the advanced Branch of KTZ - Centre for the Evaluation and Development of Railway Transport Personnel for the purpose of further cooperation, training of teachers of the department and practical training of students. Our university is confidently developing and looking for new ways to improve the quality of knowledge and increase the competitiveness of graduates.

The number of teaching staff for the academic year 2021-2022 is 118 teachers (73 staff), including 3 doctors of sciences, 35 candidates of sciences, 1 PhD, 22 masters of sciences. There are 1469 full-time students studying in 21 educational programmes.

The Institute has modern educational and scientific equipment corresponding to the best international and domestic standards, ensuring provision of quality educational services and realisation of the mission, goals and objectives of the university. Over the years of its existence a developed infrastructure of the university has been created, including three academic buildings with a total area of 9883.6 square metres, which house classrooms, educational and scientific laboratories, offices, workshops, 3 sports halls, catering and medical facilities, assembly hall, as well as student hostels.

The base for all types of practical training is expanded annually. The Institute has branches at the leading enterprises of the region, on the basis of which practical training of students is carried out, including: LLP

"Bogatyr Komir, Vostochny open-pit mine, GRES-1 named after B.Nurzhanov GRES-2, Prommashkomplekt LLP, PavlodarEnergo LLP, Gidroprom LLP, KEGOC; "Astana Kala Kurylys", JSC "NC KTZh" - "Ekibastuz operational car depot", "Nar-Trans" LLP, "Electroservice" LLP, "Tamyр" LLP, JSC "Aluminium of Kazakhstan", JSC "Gorelectroset", JSC "AK Altynalmas", JSC "Maikain Gold", JSC "Halyk Bank of Kazakhstan" and others, which correspond to the profile of training of students and

whose representatives are members of the Supervisory Board of the Institute and take an active part in the Institute's activities.

The practice of employers' participation in the educational activities of the Institute is constantly expanding, the issues of financing and tuition fees are jointly solved in the development of the content and organisation of the educational process. Successful development of mutual relations allows the Institute not only to improve educational programmes, but also to take into account the needs and requirements of enterprises and organisations when introducing new specialisations and opening new educational programmes based on the competence approach.

2. Human resource capacity

Aware of the high degree of responsibility for the quality of knowledge, skills and abilities provided, the Institute pays great attention to the selection of professional faculty and creation of favourable conditions for their effectiveness.

The management of the Institute pays considerable attention to the issues of unity of team members, prevention of conflicts of interests and relations, motivation of responsible attitude to professional activities. For this purpose, a regulation "Code of Corporate Culture" has been developed and is in operation. As a rule, conflicts are resolved 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 the 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 receive information when working with complaints and suggestions of staff and students uses special boxes installed in public places, feedback is provided at the level of distance learning platform, both at the level of the moderator and each individual faculty member. The mechanisms for identifying conflicts are statements of faculty, staff and students, memos and reports, personal appeal to the manager, anonymous appeals.

The Institute is provided with the personnel potential with academic degrees and titles for the last five years not less than 40% of the total number of university teaching staff. This is 10% higher than the minimum qualification requirements, which stipulate the level of seniority for the Institutes of not less than 30%.

Experienced industrial specialists, corresponding to level 8 of the National Qualifications Framework, are involved in giving lectures and (or) conducting other types of training sessions.

Achievements of the Institute's faculty for the academic year 2020-2021:

- Sartova Rysty Bozmanaevna - defence of the thesis for the degree of Doctor of Economic Sciences (KNU named after J. Balasagyn);
- Bulat Zharylgapovich Unaibaev was awarded the honorary title and award badge - Academician of the National Academy of Mining Sciences;
- Kainazarov Arman Serikovich, was awarded the honorary title and award badge - Academician of the National Academy of Mining Sciences.

The Institute's faculty and management have access to professional development resources. In 2021, more than 25% of the teaching staff, including the management staff of the Institute confirmed the levels of Teachers and Managers of higher education institutions, within the framework of professional development on the basis of the Association of Higher Education Institutions of Kazakhstan and NPP "Atameken"; professional development of teaching staff in the field of organisation of distance learning, etc.

The faculty and staff of the Institute work in close contact with the administration of the Institute, which provides all moral, material and, if necessary, psychological support. The Institute shall bear: expenses for professional development of the staff and teaching staff, including travelling expenses; printing costs for the publication of educational and teaching materials; mobility costs for both teaching staff and students of the Institute.

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

Along with the educational process, the teaching staff carries out continuous research activities. Thanks to the creative approach of the teaching staff, innovative teaching technologies and scientific research prevail in the Institute. More than one third of the teachers have patents, author's certificates and conduct active research activities. The contribution of the Institute's teachers to the development of science is appreciated at the highest level. Thus, Projects of our scientists became winners of international competitions of business projects of the countries of the world in Los Angeles, countries of Asia in Shanghai, semi-finalist of the national competition of innovations in Astana, and also found their place in the development of industrial technologies and implemented at industrial enterprises of the country, including at TPP-3 of Astana. Astana.

Teachers of the Institute are participants of the republican competition "The best teacher of higher education institution", are awarded with the presidential scholarship " Bolashak", are regularly awarded with Acknowledgement letters

letters of Akimat, Maslikhat of the city, "Amanat" party, have certificates of Accreditation as a subject of scientific and scientific-technical activity, have patents, author's certificates, participate in contractual and grant research works.

3. Study work

The academic policy of the Institute is aimed at ensuring student-centred learning. The academic policy of the university reflects the rules and norms that regulate and cover all stages of the student "life cycle". The Institute provides students with various types of guidelines (guidebook, internal regulations, working hours of various services, tuition fees, policies and procedures for the assessment of students' academic achievements, information on educational programmes).

The Institute uses the system of organisation of distance learning for educational institutions "Online Education System" with support of proctoring and webinars from "OES" LLP (oes.kz). Technical support of DOT allows to use 2000 Gbytes of space, webinar up to 1000 people (100 Mbit/s guaranteed channel width), hosted in data centre, backups, chats, file exchange, assignments, testing, exams with proctoring function, mailings, credit book, support of mobile platforms 100%.

The Institute conducts continuous monitoring and periodic evaluation of educational programmes. This measure is necessary to make sure that educational programmes achieve their goals and meet the needs of students. EITI named after Academician K. Satpayev was the first higher education institution in the Republic of Kazakhstan to pass the examination of the updated educational programmes and enter the Register of Educational Programmes

Aware of the need for continuous reform and modernisation of curricula aimed at developing learning outcomes, the Institute places great emphasis on learner empowerment, new approaches to teaching and learning, effective support and guidance structures, and curricula more clearly focused on the learner across the three cycles. The Institute's curricular reforms are therefore aimed at enabling high quality, flexible and individualised learning pathways through the use of a catalogue of elective courses. The teaching staff, in close co-operation with students and employer representatives, is continuously working on the formulation of learning outcomes and international benchmarks for different subject areas.

The Institute has a system of support for students in the process of mastering educational programmes and progressing along the educational pathway.

In the organisation of the student-teacher relationship in the process of learning emphasis is placed on such skills and competencies, that demonstrate in students responsibility for their own learning, independence and co-operation, understanding, problem solving ability. B Institute practices a number of strategies B teaching,

incentivising such learning. These include:

1. Making students more active in acquiring knowledge and skills: this can be achieved through, among other things, classroom activities, the use of experimental research and the use of computer-based learning programmes;
2. Achieving a better understanding by students of what they are doing and why: this can be done by keeping diaries, preparing analytical reports, etc.
3. Prioritise interaction: e.g. through tutorials, pair or small group discussions (buzz groups) and large discussion groups;
4. Prioritising transferable skills: going beyond the immediate course requirements to skills that students will apply later in their careers and lives.

The Institute has developed an Internal Quality Assurance Policy: which is developed with the participation of the administration, faculty and student activists (Student Council and Youth Affairs Committee). The Quality Policy starts its formation and discussion from the level of development of directions and proposals at the level of the teaching staff and student activists, with strict control of compliance with the requirements of the National Legislation in the field of education, taking into account ESG ENQA-2015 "Standards and Recommendations for Quality Assurance in Higher Education in the European Area"; then the proposals are transferred to the level of structural units, which make proposals and amendments within their competences, then this document is systematised, checked for compliance with the Mission, and then it is submitted to the collegiate level (educational, methodological and student council). At the collegiate level (educational-methodical and supervisory councils) the project is discussed and after agreement it is submitted to the Academic Council for approval. After approval by the Academic Council, the Rector's order is issued for its approval.

The Institute's policy is oriented towards continuous provision of educational services to consumers at the level determined by legislative and regulatory requirements, market conditions and long-term relations with the employer.

The Institute directs its efforts to the continuous improvement of the quality of educational services on the basis of integration of education, science, modern information technologies, responding to the current and predictable requirements of consumers of educational services.

The management of the institute achieves unity of goals, directions and methods of continuous improvement of the education system, creates favourable conditions for professional growth of the staff, provides appropriate resources, delegates authority to the staff within the framework of responsibility, makes its decisions on the basis of objective analysis of actual data by reliable and tested methods.

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

The Institute's internal quality assurance system is based on a process approach. For each of the processes, the organisation's standard is developed, the methods required to ensure the performance, implementation and management of these processes are defined and methods are defined, the resources and information required to support and monitor these processes are ensured, observation, measurement and analysis are carried out, measures are taken to achieve the planned results and continuous improvement of these processes. Record forms have been developed to record the results of monitoring and analysing the processes in the units. All processes are described in the form of tables on interrelationships in this RC "OP", in the relevant DPs, standards, technical documents of the QMS - Quality Manual.

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

- a) general purpose; b) manuals;
- c) resource management;
- d) provision of services, educational activities; e) monitoring, measuring, analysing and improving.

Monitoring of the quality of educational programmes is carried out at the level of DVOKO and the Supervisory Board. Based on the results of the academic year, the results of learning outcomes and competences stated to be achieved are discussed. If deviations from the established benchmarks are observed, OPs are reviewed and, if necessary, amended and re-approved.

The Institute's anti-corruption efforts in 2020 were ensured through the ongoing work of the Educational Work Department, which holds meetings and seminars with the invitation of consultants from departmental organisations, public figures, etc. All information is posted on social media.

networks, and the events of the current year are held online, taking into account the effect of restrictive and quarantine measures. Also in this direction, the DVOKO and the Disciplinary and Anti-Corruption Council are working.

Students and faculty members of the university are organised events aimed at preventing manifestations any types corruption. https://www.instagram.com/p/CHQGvI_18eJ/ The Anti-Corruption Agency held another online "Hour of Integrity" with three-time world champion in mixed martial arts, professional athlete Ardak Nazarov, which ensured increased interest from the student community.

One of the main directions of anti-corruption measures, was the elimination of cases of plagiarism by faculty and students, in accordance with paragraph 31 of the Model Rules of Higher Education Institutions, approved by the order of the Ministry of Education and Science of the Republic of Kazakhstan from 30.10.2018 №595 Written evaluated works of students (term papers, theses (projects) are checked for the presence of borrowed material and the use of text with synonymous replacement of words and phrases without changing the meaning (paraphrase), including the use of text translated from another language (dal). The rules and procedure for checking for the presence of borrowings are defined by QMS-P-7.2.2-05-2019 Regulations Antiplagiat.

Research papers of teachers and researchers submitted for publication are allowed to be checked by borrowing detection systems.

The accessibility of the university management for teachers and students, flexibility in responding to requests is ensured through weekly meetings of the rector and vice-rectors on the Institute's DOT platform. The meetings are held at 10:00 every Thursday. The Rector's and Dean's blog on the Faculty website is also active.

Student satisfaction with the quality of educational programmes is determined through continuous online questionnaires and the conduct of scheduled monitoring its results.

<https://ru.eitiedu.com/index.php/ru/students/anketa-dlya-studentov>

The continuous mechanism of internal quality assessment and expertise of educational programmes, which ensures the achievement of the set objectives, includes a mandatory feedback process. Questionnaire survey of students, faculty, representatives of practice bases and employers allows to identify "bottlenecks", and if any, systematic work is carried out to revise and correct deficiencies.

The procedures of questionnaire survey of all parties of the educational process have been significantly simplified since 2020. Thus, all types of questionnaires are formed in google forms and placed on the university website:

- Employers' satisfaction with the quality of graduates' training

<https://ru.eitiedu.com/%D0%9E%D0%B1%D1%8A%D1%8F%D0%B2%D0%BB%D0%B5%D0%BD%D0%B8%D1%8F/84> ;

- "Satisfaction student learning outcomes learning"
https://docs.google.com/forms/d/1cvgfDGoeJIJHWIBXbrYq4aPTINFcaWVWHzCXfkBenag/viewform?edit_requested=true ;

- "Student Satisfaction with the Creation of Conditions for Personal Development and Education" https://docs.google.com/forms/d/1Ywkvd-F1X7UDOlFV-ci495XdE9Uzihtm88Za2q-zf0k/viewform?edit_requested=true ;

- "Student Satisfaction with Research and Development"
https://docs.google.com/forms/d/1m8gcNLmI9DbMKnT8WVKJ47tK0gE3VcJp-wrlsUMtbs0/viewform?edit_requested=true .

Based on the results of the questionnaire processing, during the meetings of the Supervisory Board, round tables with the involvement of employers' representatives, with the direct participation of students, the Department of Internal Quality Assurance, with the involvement of a working group in the form of the Quality Assurance Commission make decisions and submit reports on the results of monitoring to higher authorities for consideration.

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

The institute endeavours to improve the quality management system through revision of quality policy, quality objectives, planning and implementation of activities for improvement.

4. Research work

Research work at the university reflects the mission, goals and objectives of the institute to train competitive specialists in the conditions of integration of education, science and modern innovative technologies.

In order to increase the amount of funding and the ability to carry out scientific research, the Institute will intensify work on participation in various programmes with development institutions, the Ministry of Education and Science of the Republic of Kazakhstan, akimats of Pavlodar region and Ekibastuz city.

The Institute has a unified information network, where information about conferences, competitions, competitions, rating journals with impact factors, etc., as well as normative documents regulating the scientific activity of scientific and pedagogical staff is placed.

EITI named after Academician K. Satpayev has 28 educational, scientific and research laboratories equipped with the following facilities

modern equipment, where the research work of students and applicants of the Institute's departments is carried out. The characteristics of these laboratories are listed below (Table 1).

Table 1- List and characterisation of laboratories.

№	Availability of scientific research institute, clinical base, scientific laboratory, technopark, business incubator (select appropriate)	Location address	On the right of ownership or on a contractual basis	Note (brief information about the base's activities)
1	2	3	4	4
1	Laboratory of gas mechanics and fluids	Energetikov 54a, building B, aud. B-1.	On the right of ownership	Science Lab. Area 35 m ² . It is oriented on research of flow and mixing regimes of liquid and gas in specialised devices. It is intended for research and development of students and staff of the departments institutes
2	Materials properties research laboratory	Energetikov 54a, building B, aud. B-2.	On the right of ownership	Science Lab. Area 34.8 m ² . Intended for R&D of students and staff of the Institute's departments
3	Building materials	Energetikov 54a, building C, aud. 112.	On the right of ownership	Teaching and research laboratory. Area 59,7 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory work on disciplines "Building Materials." "ONI" for the speciality { "construction".

4	<p>Physico-chemical methods for analysing metallurgical processes and agglomeration</p>	<p>Energetikov 54a, Building C, Aud 101/1.</p>	<p>On the right properties</p>	<p>Educational and scientific laboratory. Area 11.3. m² . Intended for R&D students and staff of the institute's departments on direction; conducting lab work on disciplines "Technology metallurgical Production and 2", "Theory metallurgical Processes", "Theory and production technology Ferroalloys", "Physical and chemical methods researches metallurgical processes" for specialities "Metallurgy."</p>
5		<p>Energetikov 54a, Building C, Aud 101/2.</p>	<p>On the right properties</p>	<p>Educational and scientific laboratory. Area 38.2. m² . Intended for R&D students and staff of the institute's departments on direction; conducting lab work on disciplines "Technology metallurgical Production and 2", "Theory metallurgical Processes", "Theory and production technology Ferroalloys", "Physical and chemical methods researches metallurgical processes" for specialities "Metallurgy."</p>

6		Energetikov 54a, building C, aud 101/3.	On the right of ownership	Educational and scientific laboratory. The area is 16.4 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory works on the disciplines "Technology of metallurgical production and 2", "Theory of metallurgical processes", "Theory and technology of ferroalloys production", "Physical and chemical methods of research of metallurgical processes" for the speciality "Metallurgical processes". "Metallurgy."
7	Electrical machines and drive	Energetikov 54a, building A, aud.119.	On the right of ownership	Educational and scientific laboratory. The area of 91.5 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory work on disciplines "Automated Electric Drive." "Electrical machines" for the speciality "Electricity."
8	Relay protection and automation	Energetikov 54a, building A, aud. 122.	On the right of ownership	Teaching and research laboratory. Area 31,3 m ² . It is intended for research and development of students and employees of the departments of the Institute in the direction of; laboratory works on the discipline "Relay protection and automation" for specialities "Electricity." "Automation and Control".

9	Electronics	Energetikov 54a, building A, aud. 120.	On the right of ownership	Teaching and research laboratory. Area 30,0 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; carrying out laboratory works on the discipline "Electronics" for specialities "Electricity." "Automation and Control."
10	Electricity supply	Energetikov 54a, building A, aud.112.	On the right of ownership	Educational and scientific laboratory. The area is 16.9 m2. It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory works on disciplines "Electricity supply of industrial enterprises", "Electrical networks and systems" for speciality "Electricity."
11	Microprocessor technology and industrial controllers	Energetikov 54a, building A, aud. 125.	On the right of ownership	Teaching and research laboratory. Area 41,9 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory work on disciplines "Automation of technological processes and production" for specialities "Electricity." "Automation and Control".

12	Theoretical bases of electrical engineering	Energetikov 54a, building A, aud.124.	On the right of ownership	<p>Educational and scientific laboratory. The area is 90.5 m². It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory works on disciplines</p> <p>"Theoretical bases of electrical engineering" and "Theory of electric circuits" for specialities "Electricity."</p> <p>"Automation and Control", "Thermal Power Engineering." "Metallurgy."</p> <p>"Transport, transport engineering and technology", "Organisation of transport and traffic management on transport", "Vocational Training."</p>
13	Heat and mass transfer processes	Energetikov 54a, building C, aud.210,	On the right of ownership	<p>Educational and scientific laboratory. The area is 59.7 m². It is intended for research and development of students and staff of the Institute's departments in the direction of laboratory works on disciplines</p> <p>"Heat and Mass Transfer." "Heat and Mass Transfer Processes and Installations."</p>
14	of electricity and magnetism	Energetikov 54a, building A, aud.111.	On the right of ownership	<p>Educational and scientific laboratory. The area is 36.3 m². It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory works on the discipline "Physics"</p>
15	Electrical engineering	Energetikov 54a, building A, aud.120a.	On the right of ownership	<p>Teaching and research laboratory. Area 34,2 m² . It is intended for research and development of students and staff of the Institute's departments in the direction of; carrying out laboratory works on the discipline "Electrical engineering and</p>

				fundamentals.
				electronics."
16	Optics and nuclear physics	Energetikov 54a, building A, aud. 35a.	On the right of ownership	Teaching and research laboratory. Area 20 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; carrying out laboratory works on in the discipline of physics
17	Molecular physics and thermodynamics	Energetikov 54a, building A, aud. 35b.	On the right of ownership	Teaching and research laboratory. Area 36,8 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory works on the discipline "Physics"
18	Robotics and programming	Energetikov 54a, building A, aud. 37.	On the right of ownership	Teaching and research laboratory. Area 36,0 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction; laboratory works on the disciplines "Programming Technology", "Development of OP-based software packages", "Data Structure and Programming Algorithm." "Robotics and microcontroller programming."

19	For process machines	Energetikov 54a, building C, aud.106.	On the right of ownership	Teaching and research laboratory. Area 70,4 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory work on the discipline "Repair technological machines."
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20	Electric trains	Energetikov 54a, building C, aud. 205.	On the right of ownership	Teaching and research laboratory. Area 57,1 m ² . It is intended for research and development of students and employees of the Institute's departments in the direction of; carrying out laboratory works on the disciplines "Locomotive repair", "Autobrakes.", "Train Safety", "Locomotive Maintenance".
21	Thermal and electric power plants	Energetikov 54a, building C, aud. 209.	On the right of ownership	Teaching and research laboratory. Area 57,8 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; carrying out laboratory works on the discipline "Thermal Engineering Measurements and Instruments"
22	Chemistry	Energetikov 54a, building B, aud.6.	On the right of ownership	Teaching and research laboratory. Area 44 m ² . It is intended for research and development of students and staff of the Institute's departments in the direction of; carrying out laboratory works on in the discipline of chemistry
23	Web technologies	Energetikov 54a, building A, aud.22.	On the right of ownership	Learning Lab. Area 81.9 m ² It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory works on the disciplines "Web-technologies", "Development and testing of Web applications and the principles of building Web servers. "Mobile Application Development, JABBA Programming."

24	Information and communication technologies	Energetikov 54a, building A, aud. 21.	On the right of ownership	<p>Learning Lab. Area 92.1 m.²</p> <p>It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory works on the discipline "Information and communications technology."</p>
25	Physicists	Energetikov 54a, building A, aud 35.	On the right of ownership	<p>Educational and scientific laboratory. Area 59 m² . It is intended for research and development of students and employees of departments of the Institute in the direction of; laboratory works on disciplines "Technology of metallurgical production and 2", "Theory of metallurgical processes", "Theory and technology of production of ferroalloys", "Physical and chemical methods of research of metallurgical processes" for the speciality "Metallurgical processes". "Metallurgy."</p>
26	Automobiles	Energetikov 54a, building C, aud. 105.	On the right of ownership	<p>Teaching and research laboratory. Area 70,4 m² . It is intended for research and development of students and staff of the Institute's departments in the direction of; laboratory works on the disciplines "Maintenance and operation of cars", "Technological design of a motor transport enterprise", "Organisation and safety of road traffic". "Fundamentals of production technology and of automotive repair."</p>

27	Geodesy laboratory	Energetikov 54a, building C, aud. 108.	On the right of ownership	Learning Lab. Area 56.6 m. ² Purpose of carrying out laboratory and practical works on the disciplines of the department; consultations on bachelor's diploma project.
28	Study room of Academician M.P. Mardenov (virtual laboratory)	Energetikter str. 54a, building B, aud. № 7 (B-7)	On the right of ownership	Virtual Lab. Area 56 m ² . It is intended for carrying out laboratory works on disciplines "Mechanical Properties of Materials." "Materials science and TCM", "Basics of thermal power engineering", "Theoretical bases of heat engineering", "Mechanics of liquids and gases", "Heating and heat networks", "Blowers and heat engines", "Body and Mass Transfer", "Applied Mechanics", "Theoretical Mechanics", "Resistance of Materials". For counselling - educational scientific research work of students in the direction of training: 6B072- Production and processing industries 6B071 - Engineering and engineering

In accordance with the State Programme of Science Development in the Republic of Kazakhstan, five national scientific laboratories of collective use and fifteen laboratories of engineering profile have been established on a competitive basis. The Institute maintains communication with the core laboratories and conducts joint research work (innovative scientific and technological project "Pilot plant for the production of pyrolysis gas, liquid boiler fuel and special coke from Ekibastuz high-ash coals. Scientific supervisors: Kambarov J.K., Mikov A.G.).

Associate Professor Kainazarov A.S. continues to work as an executor of grant funding as a member of the working group of Karaganda State Technical University to carry out R&D on the topic No. AR05135535 "Development of contour technology of excavation fixing with management of technogenic condition of coal rock massif of host rocks" (there is an order No. 180 from 04.02.2019, title page of the interim report of NCGSTE with state registration 0118RK00715).

Within the framework of the scientific theme of the university, departmental research works were carried out on the following topics:

- Department of Metallurgy and Natural Science Disciplines:
"Integrated utilisation of mineral raw materials and technogenic materials of Pavlodar-Ekibastuz region and environmental rehabilitation"
 - Prof. Z. Galimov Chair of Business and Management
- 1) "Mechanism of organisation of effective management in enterprises and organisations";
 - 2) "Features of functioning of Islamic banks: problems and prospects of development"
- Department "Social and Humanities disciplines:
"The use of active learning technologies in the modern educational process of the college"
 - Department "Transport": "Research of technological and constructive parameters of transport systems and technologies of transport process with observance of traffic safety and ecological balance".
 - Department of Mining Engineering: "Development and Implementation of Exploration Stages for Manganese Ore Deposits"
 - Department of Civil Engineering: "Investigation of saline soils of Kazakhstan for construction purposes"
 - Department of Automation and Information Systems:
"Research, design и development of automated information systems in various fields"
 - Department of Electrical Power Engineering:
- 1) "Development of methodology, method and device of steam generator installation, development and adjustment of steam nozzle on the stand for the development of vapour-dusting installation" - hands. Asylkhanov K.K.- Master, senior lecturer;

2) "Conductive electromagnetic interference by steady voltage deviation in Ekibastuz electric networks" - hands. Potyaga L.A. - Master of Technical Sciences, senior lecturer;

3) "Development and implementation of the power supply project for the enterprise of GIDROPROM LLP"

B table 2 summarises list funded grant, contractual and state budgetary R&D of EITI for the reporting period.

B table 3 presents Information o implementation of the mechanism of commercialisation of scientific developments.

Table 2- Grant, contractual and state budgetary R&D funded

Department	Name of contractual subject	Customer	Amount financed (thousand tg.)	Result of work
Mt and UNM Mining	Development and implementation of stages of exploration of manganese ore deposits at the production and technical base of LLP "Borly Mining Company."	LLP "Borly Mining Company."	2000	Continuing until 10.12.2021
BiU	Development and implementation of marketing strategy enterprises	LLP "Nytcom."	1023000	Completion
SGD	Use of active learning technologies in the modern educational process college	NUO EKITI	970.000	Continuing until 29.04.2022.
Transport	Development and introduction into production of technology for overhaul and maintenance of buses at the production facilities	LLP Jolaman-EC	3000	Continuing until 10.12.2021
Construction	"A cheap house for a young family."	LLP "Apex Group EK"	2430	Completion
AiIS	Creation and maintenance of the programme "Accounting of goods and of services at Nytcom LLP"	LLP "Nytcom."	2373	Completion
Energy	Development and implementation of the project of power supply of the enterprise LLP	LLP "HYDROPRO M"	1070	Continuing until 03.04.2024

	"HYDROM."			
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Table 3 - Information on implementation mechanism of commercialisation of scientific developments

Department	Project Name	Contract information	Commercialisation amount, tg
Mt and UNM	Methodological instructions for laboratory works "Metallurgical technology". processes."	Contract No. 1 02.02. 2021 г.	15 000
BiU	-	-	-
SGD	-	-	-
Transport	Study guide "Locomotive Maintenance."	Customer: Director Tulenov J.M. Executor: Rector of EITI named after A.A.A. Tulenov. K.Satpayev" Sivaraksha D.M. Completion date 30.11.2020	13000
Mining	-	-	-
Construction	Recommendations for the design and construction of protective and bearing casing for bored piles constructed in saline dusty-clayey soils	Customer: Director of Vershina LLP Zhunusova G.S., executor: Rector of EITI named after A.A. Kuznetsov. Academician K. Satpayev" Sivaraksha D.M. Completion date: 06.01.2021.	100000
AiIS	Development of a training programme of the "Programming Technology" manual	No. 1 of 6.01.2021 with NUE "EKITI"	10000 per unit of training manual
Energy	-	-	-

R&D at the Institute's departments reflects the Mission and Policy of EITI to ensure a sustainable link between the most important components of the innovation chain - science and production, modern information technologies and is aimed at solving the most important scientific problems with the involvement of teaching staff, scientists and students.

Research on applied programmes is carried out. Faculty members and young scientists actively participate in initiative, applied scientific research, funded by a number of large enterprises of Ekibastuz city and region, with the introduction of

research results in the activities of enterprises: "Zholamak-Ek" LLP; "Nytcom" LLP; Benat LLP;

For example, EITI currently has two innovative projects ready for implementation into production:

- "Deep processing of TPP ash and slag waste";
- "A cheap house for a young family."

Strengthening of the innovative orientation of research work had a significant impact on the intensification of inventive activity. Applications for inventions were submitted from the Institute and from the authors themselves.

For the 2020-2021 academic year, the following results were obtained:

- Author's certificate No. 7840 textbook "Tau-ken Oonerkasibindegi Onimsapasybnaskaru", author Candidate of Technical Sciences, Associate Professor Kainazarov A.S.;

- Copyright No. 7775 Subject of the object: "Collection of texts on the discipline "Professionally oriented foreign language", for groups of educational programmes: B074 Urban planning, construction works and civil engineering, B062 Electrical engineering and power engineering, B063 Electrical engineering and automation, B057 Information technologies, B065 Motor vehicles, B095 Transport services, B071 Mining and mineral extraction, B064 Mechanics and metal working", author M.F.S., senior lecturer Tezekbaeva G.A.

- Author's Certificate No. 7874 Subject of the object: "Technology of metallurgical processes (Methodical instructions for laboratory works for students and undergraduates of metallurgical specialities), author Candidate of Technical Sciences, Associate Professor Icheva Y. B. Date of creation of the object - 24.01.2020;

- Copyright certificate No. 8064 Subject of the object: "Lecture notes on the discipline "Chemistry" for technical specialities of bachelor's degree", authors Candidate of Chemical Sciences Mazhit A. A., Candidate of Chemical Sciences Makitova G. Zh.

- Copyright certificate No. 8058 textbook "Locomotive economy". Author Master, Senior Lecturer Ibraeva S.Zh.

- Copyright certificate No. 8314. Subject of the object: "Methodical instructions for practical classes in the discipline "Chemistry" for technical specialities of bachelor's degree", authors Candidate of Chemical Sciences Mazhit A.A., Candidate of Chemical Sciences Makitova G.Zh.

In addition, senior lecturer of the Department of Transport I.I. Mikhaylidi has received author's certificates of the Russian Federation for the following educational developments:

- Copyright certificate MII-2523176 Subject of the object: Practical works on the discipline "Station automation systems", the author is senior lecturer Mikhaylidi I.I. (within the framework of the educational portal). "Znanio");

- Copyright certificate MP-2523155. Subject of the object: Practical works on the discipline "Automation and telemechanics at the crossing", author senior lecturer Mihailidi I.I. Date of creation of the object is

(within the framework of the educational portal "Znanio");

- Copyright certificate MP-2525580 Subject of the object: Practical works on the discipline "Fundamentals of automatic control theory". Date of object creation - 27.02.2020 (within the framework of the educational portal "Znanio");

- Copyright MP-2525589 Subject of the object: Practical works on the discipline "Technical operation of railways and traffic safety". (within the framework of the educational portal "Znanio");

- Copyright certificate MII-2525575 Subject of the object: methodical instructions to the course work on discipline: "Economics of transport and production management" (within the framework of the educational portal "Znanio").

The Institute holds annual Olympiads in general education and basic disciplines (history, philosophy, languages, mathematics, physics, engineering graphics, computer science, TOE, etc.), as well as in special disciplines, competitions of term papers and diploma works.

Winners of university Olympiads participate in regional, national and international Olympiads.

In May 2021 the international scientific-practical conference "Improving the quality of education, modern innovations in science and production" was held jointly with KuzGTU named after T.F.Gorbachev. Because of the announced pandemic coronavirus was held in the online format.

Involvement of full-time students in research work in 2021 is about 27% of the contingent of full-time students. Students carry out thesis (projects) with a scientific bias, participate in Olympiads, scientific competitions and publish scientific articles in the proceedings of international conferences of ISTC EITI, KuzbSTU and other universities.

5. International co-operation

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

EITI named after Academician K. Satpayev maintains close relations with scientific research organisations and leading universities of the Republic of Kazakhstan, CIS countries and near abroad on mutual cooperation in the field of educational services and scientific and technical industry, in particular, in 2020 academic year the Institute concluded agreements with:

- Ryskulbekov Kyrgyz Ecological University, Bishkek, Kyrgyz Republic;
- Financial University under the Government of the Russian Federation, Moscow, Russian Federation.

There is an active search for investors, both domestic and foreign:

International scientific co-operation is expanding with their participation in joint scientific-practical, scientific-technical and scientific-methodological conferences, seminars, exhibitions, competitions held in near and far abroad for the exchange of experience, information, ideas and opinions.

Within the framework of the agreement on cooperation in education and science with the Technical University of the Mining Academy of Freiberg (Germany), EITI organised a regular course of lectures by foreign professors.

We wanted to pay special attention to the distinguished lecturer, Prof Carsten Drebenstedt, who has been a professor in the field of mining engineering since 1999, was vice-rector for research from 2000 to 2006, and from 2013 to 2016 was dean of the Faculty of Earth Sciences, Geoengineering and Mining at the Freiberg Mining Academy. - Dean of the Faculty of Earth Sciences, Geoengineering and Mining Engineering at the Freiberg Mining Academy. Prior to his university career, he worked for 17 years in various positions in the production and planning departments of lignite mining companies in Germany, including reclamation and land planning, and was a board member of an international consulting company.

Prof Carsten Drebenstedt gave a class on discipline

"Recultivation of lands disturbed by mining operations" for 3rd year students of the speciality "Mining Engineering" transferring their industrial experience and invaluable theoretical knowledge in this field.

In order to further improve the scientific and research and production activities of the departments of the Institute in accordance with the Mission and Policies of the EITI, it is necessary to:

- attraction of investments and obtaining additional financial resources for scientific and technical and consulting services for scientific and innovation activities - further integration of science with production, strengthening the material and technical base of the laboratory and development of cooperation with enterprises of the region, as well as with domestic and foreign academies and centres, taking into account the requests of EITI and the region.

6. Educational work

The Institute has student support services that work to meet students' educational, personal and career needs

needs:

- 1) library, with two reading rooms equipped with personal computers, with access to the Internet and office equipment;
- 2) dormitories that provide comfortable accommodation and access to resources, including the Internet;
- 3) Dining room with 20 seats in the main building and two buffets in two additional buildings/blocks;
- 4) medical rooms equipped in accordance with the requirements of SanPin;
- 5) Project Office at the DVOCO, which together with the Deputy Dean organises, plans and monitors the employment and career development of graduates;
- 6) 3 sports halls, including a gym, a table tennis hall and a wrestling hall (students of the institute become prize-winners of national and international sports competitions);
- 7) The Goodfellas Club;
- 8) the EITI KVN team;
- 9) vocal and instrumental ensemble;
- 10) Sports sections (volleyball, basketball, table tennis and mini-football);
- 11) 8 scientific circles that meet the interests of students.

Activities are carried out to address employment issues:

- in order to present graduates more successfully on the labour market, the Institute annually holds: - Master - classes on the topics "How to make a CV", "How to have a successful interview with an employer;

- trainings on interviewing, interpersonal relations, ways of adaptation and retention in the workplace, improvement of job search technology in market conditions;

- Every year in November, a Career Day is organised and held for graduates of the Institute, where employers of the Ekibastuz region are invited. The main purpose of the Career Day is to assist students and graduates of the Institute in temporary and permanent employment, as well as to assist employing companies in recruiting promising young specialists. All employers are given discs containing electronic CVs of EITI graduates named after Academician K.Satpayev;

- The EITI named after Academician K. Satpayev annually organises "Platinum Lectures" given by the heads of state bodies and major organisations of the region, leading specialists, to introduce students and teachers to the achievements, problems and prospects of a particular industry, to encourage students to achieve professional career growth and development on the example of personal and professional qualities and competencies of the lecturers;

- every year, teachers travel with students to enterprises and organisations. Practical field trips are the most important stage of training, which allows students to move from theoretical knowledge to practice;

- The Institute cooperates with employment centres of Ekibastuz city, with recruitment agencies, with organisations on social programmes and others;

- The Institute organises meetings of graduates and students with potential employers in order to inform students about internship opportunities, as well as to announce the availability of vacancies in the organisation and opportunities for further employment;

An important role in the educational process is played by student self-government, which is implemented through student public organizations designed to express the interests and protect the rights of young people, to participate in the development of programmes aimed at solving the problems of student youth, to conduct research work on youth issues, and to hold events that promote the activation of civic responsibility of representatives of the younger generation.

The forms of student self-governance at the Institute are the Student Council and the Youth Affairs Committee, which are represented in all collegiate governing bodies of the Institute and take an active position. Along with participation in the management processes of the Institute, they organise cultural, leisure, social and volunteer activities of students. The active position of the students of the Institute is repeatedly noted at the level of Akimats of the city and region, employers and the university itself.

Agitbrigades are created from among active student youth to carry out career guidance work in schools of the city and the region.

Students' participation in public associations and associations, in career guidance work; students' social activity, involvement in active mass sports, achievements in Universiades.

At the beginning of the 2021-2022 academic year, a plan of activities for the whole year was approved for educational work in the conditions of transition to distance learning.

Creating a favourable environment for the development of students' creativity and capabilities in the transition to distance learning due to the pandemic.

Priority directions of educational work are:

1) education Kazakhstani patriotism и citizenship, legal education;

2) spiritual and moral education;

3) national education;

4) family upbringing;

5) labour, economic and environmental education;

- 6) multicultural and art and aesthetic education;
- 7) intellectual education, education information culture;
- 8) physical education, healthy lifestyle.

Student Service Centre of EITI named after Academician K.Satpayev includes:

- the registrar's office;
- technical library;
- canteen, buffets;
- nurses' stations;
- a helpline, a helpline box;
- sports, conference, assembly halls;

According to the results of the first semester of 2020-2021 academic year, students from each department took part in competitions, seminars, debate tournaments, trainings, events of city, international level, as well as sports competitions of regional and national significance.

The following online meetings, gatherings, events, seminars, debates were held:

- Online solemn assembly dedicated to the Day of Knowledge;
 - Online meeting with KSU Centre for Analysis and Policy of Akimat of Ekibastuz city
- "The family as an institution for preventing extremism and terrorism";
- Participation in the republican action "The Hour of Integrity" on the topic of "Khoja Ahmed Yasawi: On the Path of Justice."
- Online meeting with the State Institution "Department of Information and Public Development of Pavlodar region" on "Prevention of Domestic Violence";
- Online event "Information meeting on formation of anti-corruption culture";
 - Participation in the republican action "The Hour of Integrity" on the topic of "Bauyrzhan Momyshuly" honour and valour are the signs of a hero"; "Ar-namysty arkalaghan rukhty batyr Bauyrzhan" taqyrybyndagy "Adaldyk sagaty";
 - B.Sh. Maksilov's online seminar "Kyz Tarbiyesi - Kult Tarbiyesi";
 - The online event "Meeting ECO Youth Choice;
 - Online seminar by Kozaeva L.L. "Personal boundaries - the key to a healthy psyche and relationships";
 - Participation in the republican action "Hour of Integrity Hour" with Ardak Nazarepov;
 - Participation in the contest "King and Queen of the EITI Autumn Ball";
 - Thematic hour for students on the theme of 1 December - First President's Day;
 - Thematic hour for students on the theme: "1 December - World AIDS Day",
 - Thematic hour for students on the theme: "9 December - Anti-Corruption Day in Kazakhstan
 - Participation in the republican action "The Hour of Integrity" on the topic of "Saken's Moral Legacy;

- Participation in the republican action "The Hour of Kindness" with Evgeny Zolotukhin;
- Online conference with the UE of Ekibastuz;
- A survey on anti-corruption conducted by the Foundation for Social and Sustainable Youth Development was conducted at <http://opros-antikor.kz/>;
- Thematic hour for students on the theme "16 December - Independence Day".

As a result of participation in competitions, trainings, contests, debating tournaments, students were awarded with certificates of honour, diplomas, certificates, letters of thanks:

1 Competition of student works "How I see the role of the European Union in the modern world" dedicated to "Erasmus Days-2020" among students of higher education institutions of Central Asian countries, organised by the team "Chair Jean Monnet. European Diplomacy" within the framework of Erasmus+ of the European Commission. From 15 - 17 October 2020 - Ilyambek R., (2nd year), gr.BEE-21. According to the results of the competition, the participant was awarded with the winner's diploma and took the II place

2 International online competition on the theme "My Homeland", organised by the Tver State Academy (Tver, Russia), 4 November 2020 - Fumar Ə. gr.BEE-11k, Bauer D. gr.BEE-11, Illyas M., Abenova M., Aitkul T. gr.BEE-21k, Abykenova Z., gr.BEE-31k. According to the results of the competition the participants were awarded with diplomas

3 Republican creative online - competition with international participation "Contest of young poets", held from 25 November to 2 December 2020. Ilyambek R. gr. BEE-21. According to the results of the competition the student was awarded with the diploma of the I degree

4 Republican online essay contest on the topic of "Historical path of Kazakhstan to an independent and legal state" held from 1 to 10 December 2020. - Ilyambek R. gr.BEE-21. Platform: Republican Information and Methodological Centre "Enlightenment". According to the results of the competition the student was awarded with a certificate of participation.

5 Participated in the nationwide student online arts festival "Abai Əlemi", from 4 to 5 December 2020. Held by KAZNPU named after Abay. Our students: Fumar Ə. gr. BEE-11(k) and Amrenov E. gr. BTM-31c. According to the results of the competition they were awarded with letters of thanks.

6 According to the results of the debate tournament on the topic "Problems of ecological safety of the region" students were awarded with certificates. Idrisov M. - gr. BAU-31 "The most convincing player", Kabdygali E. - gr. BAU-11k "The most purposeful player", Ilyambek R. - gr. BEE-21 "The most erudite player", Krupenin Denis - gr. BMT-31 "The most active player".

7 The participants of the contest "King and Queen of the EITI Autumn Ball" were awarded diplomas "The most mysterious couple" Yeltaeva Dilnaz and Bakytqhan Asylkhan, "The most charming couple" Kabdygali Eldos and Serik

Alua, "The Most Elegant Couple" Bekimirov Damir and Rezyapova Angelica,
"The most romantic couple" Tolzhan Abylai and Dauken Mədina;

8 City youth football competitions in Children's and Youth Sports School 1.
Ekibastuz city, autumn 2020. Tulubay Kuanysh, (2nd year), gr.BEE-21(k)

9 Training on "Active Life Position" organised by KSU
"Youth Initiatives Development Centre" of Ekibastuz city, autumn 2020. -
Tuleubaev Timur, (2nd year), gr.BEE-21 Certificate of training participant

Sport and healthy lifestyle is an integral part of the educational work of the Institute. Active explanatory work on healthy lifestyle and prevention of offences is carried out among students.

There are also regular thematic Adviser's hours, in which students take an active part (prepare reports and presentations on the topic of the speech).

There was held an enquiry hour on prevention of crime among youth with the presence of a guest lawyer Ishmametov Damir Nuritdinovich, as a result of the meeting students actively asked questions.

On 30 October the qualifying stage of the national online student art festival "Abai əlemi" was held - contests "Abai's Poems" and "Abai's Poems".

"Words of Abay's edification". The competition was attended by 5 students from each department. According to the results of the selection were the best: student of the department "Mining Engineering" Amrenov Yerbolat Terdikuly in the competition "Words of Abay's edification" and student of the department "Energy" Gumar Alisher Kopjasarovych in the competition

"Abay's poems", thus got the opportunity to take part in the final stage.

Chairman of the Youth Affairs Committee of EITI named after Academician K.Satpayev, student of BAU-31 group - Idrisov Marat took part in the II meeting of the Youth Affairs Committees and XVII meeting of the Alliance of Students of Kazakhstan, which was organised by the Republican Student Movement.

"Alliance of Students of Kazakhstan" in the framework of the project "Development of the system of youth self-governance bodies" with the support of the Ministry of Information and Public Development of the Republic of Kazakhstan and NAO "Centre for Support of Civic Initiatives" from 6 to 7 November 2020 in the city of Nur-Sultan with the participation of a limited number of participants. All other student-activists of the Institute participated in the online format through the ZOOM platform in this event.

Students of Mining, Electric Power Engineering, and Heat Power Engineering specialities congratulated the EITI faculty and staff on every holiday on the Instagram platform, with musical numbers.

Also thematic adviser hours are regularly held, in which students take an active part (prepare reports and presentations on the topic of the speech), according to the reports of the advisers are noted students of the 3rd year gr.BTM-31 with Amrenov E., gr.BAU-31 - Alekseeva D., gr.BEE-31(k) - Abykenova Z., gr.BTE-31 - Uvarov I., gr.BMT-31 - Krupenin D., Bekimirov D., gr.BMT-31 k - Baimagambetova A., Kabdyr E., gr.BEE-31.

Kairov D. 2 course BGD-21 (k) Aitmaganbetov A., Imashev I., gr.BAU-21 - Rakhmatullaev I., Nikita M., Khamitov A., gr.BEE-21 - Kirichek D., Kolpakov A., Ilyambek R., Gubaidulov A., Shchayzhanova K., gr.BTE-21 - Makishev B., Toktar A., 1st year BTE-11 - Narymbaev M., gr.BAU -11k Kabdygali E. and Serik A., as well as 4th year gr.BTE-41 Akimov R., gr.BMT-41 - Ivasik V., Andauov T., Moldabaev D..

To organise the educational process, there is a structural unit - the Department of Educational Work, which works in close connection with the enquirers and the registrar's office. The scope of activities of the department covers the solution of social and domestic problems, preparation and organisation of events, traditional holidays, involvement of students in creative groups, etc.

The Institute organises charity events with the participation of student volunteers and also holds events inviting the city's youth with disabilities; supports socially vulnerable residents of the city during the CWI pandemic, etc.

Of course, this academic year was not an easy one, but nevertheless our university retained 100% of jobs, without reducing labour remuneration. Students who had problems with payment of tuition fees received a deferment of payment, with the possibility to continue their studies.

7. Material and technical base

The Institute has a strong material and technical base. 3 educational blocks/corps equipped with the necessary number of classrooms, including:

- 14 computer classrooms, 7 interactive whiteboards with projectors;
- 28 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;
- 312 computers, the ratio to the quoted number of students is about 20 per cent;
- a set of virtual laboratory works, allowing to perform real-time experiments in disciplines "Chemistry", "Resistance of Materials", "Electric Drive" (TMO speciality), "Physics", "Material Science", "Engineering Mechanics", etc;
- The distance learning portal uses the system for organising distance and face-to-face training for educational institutions "Online Education System" with support for proctoring and webinars from "OES" LLP (<https://oes.kz>).

The portal is operating normally:

- methodological materials, providing The methodological materials that support the learning process are loaded;
- conditions have been created for faculty members to work remotely;
- ensured interaction among participants interaction between participants of the educational process using DOT;
- all participants educational process all participants in the learning process provided access of students via DOT to electronic libraries of the university and partners.

Each building has a separate medical and catering centre.

The Institute has a sufficient fund of educational, methodical and scientific literature on general education, basic and profile disciplines of educational programmes, including in the state language, and the efficiency of its use; renewability of literature funds in accordance with the norms defined by the qualification requirements for licensing.

Library staff periodically conduct training workshops in collaboration with faculty members to teach students how to use the electronic database, find, evaluate, organise and effectively use information to solve problems.

The institute's library staff actively interact with representatives of other structural units of the university, including teachers (in planning study programmes and classes), as well as with CADO staff. Librarians also help students to evaluate the sources available to them and computer staff to understand student requirements for ICT-based student support systems being developed and implemented.

Availability of educational literature on electronic media, the share of electronic educational materials in the total volume of library resources; electronic textbooks developed by teachers of the university, meets the qualification requirements for licensing, which is confirmed by the results of inspection for compliance with the qualification requirements for higher education organisation KOCSON MES RK in February 2020.

The availability of e-textbooks, e-reading room collection, educational TV, etc. for students is ensured both in offline and online formats.

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

The number of annual subscription publications on the profile of the university in hard copy did not exceed three titles throughout the analysed period and met the needs of economic and pedagogical areas, while the needs of technical areas were met by online sectoral subscriptions, which meets the following requirements

modern requirements of digitalisation of the information and educational space. Periodicals in all areas of training are available round-the-clock on the servers of the State Institution "Republican Scientific and Technical Library" (RSTB) and the Republican Interuniversity Electronic Library, to which the Institute is subscribed.

The assessment of the dynamics of material and technical resources development 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 intermediate indicators defined in the strategic development plan were achieved in certain periods, which indicates the effectiveness of the systems of monitoring and control of budget allocation.

The Institute endeavours to continuously improve the suitability, adequacy and performance 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 analyses the results of analysis and evaluation (ratings of educational organisations published on the Internet), outputs of management analysis, results of internal and external audits, results of corrective and preventive actions to determine whether there are needs or opportunities that need to be considered as measures for continuous improvement.

The institute endeavours to improve the quality management system through revision of quality policy, quality objectives, planning and implementation of activities for improvement.

Conclusions and challenges

EITI named after Academician K. Satpayev is planning to undergo 6 specialised accreditations in 2023.

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

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

In order to fulfil the strategic objectives, the Department of Internal Quality Assurance is in place and more than 10 internal normative documents have been revised and supplemented.

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

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

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

Textbooks in the state and English languages have been introduced into the educational process under the project: "New Humanitarian Education 100 new textbooks" in the Kazakh language for the specialities being taught.

Updates were introduced in modular educational programmes and catalogues of elective disciplines ensuring the implementation of new models and content of continuing education, including the use of modern information and communication technologies.

The systems of key performance indicators of the Institute have been introduced, which allow to objectively assess the results of the teaching staff, administrative staff and students of the Institute and to influence and adjust the management strategy of the Institute in a timely manner.

During more than 25 years of its existence, EITI named after Academician K. Satpayev has focused its efforts on joint activities with employers, business and governmental structures of the region. This activity allowed, firstly, to introduce practice-oriented training. Secondly, from a traditional institution to become a real subject of the regional economy. Thirdly, to become a centre for conducting research under the orders of enterprises, 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 programmes 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 on-the-job training on the basis of enterprises, starting from the 1st year of study, dual, inclusive education and dual degree programmes.

To further improve the activities of the Institute's departments in accordance with the Mission and Policy of EITI named after Academician K.Satpayev, activities are carried out on:

- attraction of investments and obtaining additional financial resources for scientific-technical and consulting services for scientific-innovation activities - further integration of science with production, strengthening the material and technical base of the laboratory and development of cooperation with enterprises of the region, as well as with domestic and foreign academies and centres, taking into account the requests of EITI and the region;

- There is an active search for investors, both domestic and foreign;

- international scientific co-operation is expanding with participation in joint scientific-practical, scientific-technical and scientific-methodological conferences, seminars, exhibitions and competitions;

- development and implementation of new educational technologies and learning support systems;

- development of international co-operation in the system of lifelong learning;

- development of scientific research activities;

- development of international scientific co-operation;

- organisation of effective management and implementation of corporate governance principles;

- support and stimulation of professional growth of scientific and pedagogical staff;

- creating a system of work with talented young people and the Institute's alumni community;

- improvement of the organisational structure;

- formation of an effective management system;

- improvement of civic and patriotic education of young people.

