



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТИҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

**on the results of the work of the external expert commission for evaluation
for compliance with the requirements of the standards of specialized
accreditation of educational programs**

5B050600 "Economics", 5B050900 "Finance"

5B090900 "Logistics (by industries)",

5B090100 "Organization of transportation, movement and operation of transport"

**NJSC "Kazakh national research technical university
named after K.I. Satbayev"**

SITE VISIT DATES: from "4" to "6" June 2018

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

**Addressed to
Accreditation
Council of IAAR**



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Almaty

June 6, 2018

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(I) LIST OF NOTATIONS AND ABBREVIATIONS

AIS		Automated information system
AH		Active handout
AMS		Administrative and managerial staff
AEP		Administrative and economic part
BD		Basic disciplines
EEC IAAR		External expert commission of the Independent agency for accreditation and rating
IRD		Internal regulatory documents
EEAA		External evaluation of academic achievements
HEI		Higher educational institution
SAC		State attestation committee
SCES RK		State compulsory education standard of the Republic of Kazakhstan
CD		Civil defense
UNT		Unified national testing
IET		Individual educational trajectory
IE		Individual entrepreneur
TIWP		Teacher`s individual work plan
IS		Information system
IOS		International Organization for Standardization
IC		Individual curriculum
PMI		Project Management Institute named after E.A.Turkebayev
YAC		Youth affairs committee
CCSES	MES	Committee for Control in the Sphere of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan
RK		
CED		Catalogue of elective disciplines
IR		International relationships
MES RK		Ministry of Education and Science of the Republic of Kazakhstan
MEP		Modular educational program
IFRS		International Financial Reporting Standards
MC		Modular curriculum
IS		International standard
IAAR		Independent Agency For Accreditation and Rating
SRW		Scientific-research work
SSRW		Student`s scientific-research work
SMC		Scientific and methodical council
GED		General educational disciplines
EP		Educational program
RO		Registration office
PD		Profile disciplines
TS		Teaching Staff
RK		The Republic of Kazakhstan
WC		Working curriculum
MM		Mass media
QMS		Quality management system
SIWT		Student`s independent work with the teacher
LIW		Learner`s independent work
SIW		Student`s independent work
SCL		Student-centered learning

EC	Exemplary curriculum
TSS	Training and support staff
University	NJSC "Kazakh national research technical university named after K.I. Satbayev
EMCD	Educational-methodical complex of discipline
EMW	Educational-methodical work
EMC	Educational-methodical complex
AP	Academic plan
AC	Academic council
ECTS	European credit transfer and accumulation system
GPA	Grade point average
SWOT	SWOT-analysis is a method of strategic planning, consisting in the identification and analysis of factors of the organization`s internal and external environment



(II) INTRODUCTION

In accordance with Order No. 59-18-OD of May 17, 2013, of the Independent Agency for Accreditation and Rating, from June 4 to June 6, 2018, an external expert commission assessed the conformity of the Kazakh National Research Technical University named after K.I. Satpayev to the standards of specialized accreditation of the IAAR (from February 24, 2017 No. 10-17-OD, fifth edition) under the programs 5B050600- "Economy", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport."

The report of the external expert commission (EEC) contains an assessment of the conformity of the activities of the Kazakh National Research Technical University named after K.I. Satpayev within the framework of institutional accreditation criteria of the IAAR, recommendations of the EEC on further improvement of the institutional profile parameters.

The composition of the EEC:

1. **Chairperson of the commission** - Akybayeva Gulvira Sovetbekovna, Candidate of Economic Sciences, Associate Professor, Karaganda State University named after E.A. Buketov (Karaganda city);
2. **Foreign expert** - Dimitar Grekov, professor of the Agrarian University (Plovdiv, Bulgaria);
3. **Expert** - Zakirova Dilnara Ikramkhanovna, PhD, University "Turan" (Almaty);
4. **Expert** - Ualkhanov Bayzhan Nurbaevich, Cand.Tech.Sc., Associate Professor, General Director of LLP "Kokshetau experimental-production economy" (Kokshetau city);
5. **Expert** - Ryvkina Nataliya Valentinovna, Eurasian National University named after L.N. Gumilev (Astana city);
6. **Expert** - Pak Dmitry Yurievich., candidate of technical sciences, associate professor, Karaganda State Technical University (Karaganda);
7. **The expert** - Ismailova Guzal Amitovna, PhD, Kazakh National University named after al-Farabi (Almaty);
8. **Expert** - Zhuparkhan Bakhytgul Zhuparkhankyzy, PhD, Kazakh Agrotechnical University named after S. Seifullin (Astana city);
9. **Expert** - Khamraev Sheripidin Itakhunovich, candidate of technical sciences, associate professor, Kazakh National Pedagogical University named after Abay (Almaty);
10. **Expert** - Aldungarova Aliya Kairatovna, PhD, Associate Professor, Pavlodar State University named after S. Toraigyrov (Pavlodar);
11. **The employer** - Beklemishev Pavel Innokentievich, deputy chairman of the Committee for Mechanical Engineering and Metalworking of the NCE "Atameken", member of the Regional Chamber of Entrepreneurs of Almaty;
12. **Student** - Amanbek Asem Nurgalikyzy, a student of the Kazakhstan University of Engineering and Technology (Almaty);
13. **Student** - Tokburina Aisulu Kalasovna, student of the Kazakh State Women's Pedagogical University (Almaty);
14. **Student** - Medetov Batyrkhan Ergazievich, a student of the Almaty University of Energy and Communications (Almaty);
15. **The observer from the Agency** - Kanapyanov Timur Erbolatovich, the head of international projects and public relations of the IAAR (Astana).

(III) PRESENTATION OF THE EDUCATIONAL INSTITUTION

- Kazakh National Research Technical University named after K.I. Satpayev is one of the oldest educational institutions in the Republic of Kazakhstan. History of the University

named after K.I. Satpaev - the flagship of the engineering education of the Republic - is inextricably linked with the history of our state, its culture and the system of higher education.

The oldest and one of the most prestigious technical universities in Kazakhstan, known for developments in the field of mining and oil business. For more than 80 years, this university has been synonymous with technological progress and leadership in Kazakhstan. And although in the visiting card the Kazakh National Research Technical University named after K.I. Satpayev is dominated by technical specialties, this is a versatile university, where one can also study architecture and management.

It was founded in 1934 as the Kazakh Mining and Metallurgical Institute; in 1960 it was reorganized into the Kazakh Polytechnic Institute; awarded the Order of the Red Banner of Labor; in 1999 the university was named after academician K.I. Satpayev.

The University became the base for providing engineering personnel to the industry of the Republic and one of the main sources of cadres for scientific, state and public figures of Kazakhstan. His history is connected with the names of such famous scientists and cultural figures as Omirkhan Baikonurov, Kanysh Satpayev, Zhamal Kanlybayeva, Ilyas Esenberlin, Kazbek Valiyev, Shahmardan Yesenov, Akzhan al-Mashani, Bakhyt Sultanov, Askar Zhumagaliyev, Beibut Atamkulov.

In 1960 KazMMI was renamed into KazPTI - Kazakh Polytechnic Institute. In 1967, the vocal-instrumental ensemble "Dos-Mukasan" was organized at the Faculty of Automation and Computer Science. In January 1980, the Architectural and Construction Institute was opened in Almaty, the basis of which was the architectural and engineering faculty of KazPTI, as well as the Alma-Ata branch of the All-Union Correspondence Engineering and Construction Institute.

In 2001, the university got a special status by the Decree of the President of the Republic of Kazakhstan N.A. Nazarbayev.

As part of the transformation of higher education in Kazakhstan in 2014, the University named after K.I. Satpayev was awarded the category "National Research University", which made it possible to work with outstanding scientists of the world. The university cooperates with 174 leading universities from 25 countries (including the USA, England, Germany, Italy, France, China, Korea, Poland).

Implementation of the principle of "learning through research" is the main task of the Kazakh National Research University named after K.I. Satpayev. The University conducts extensive scientific work, monitoring and analysis of domestic and world trends in the development of science in the specialized fields of the university, and searches for sources of funding for fundamental and applied research in specialized scientific and educational areas. Kazakh National Research Technical University named after K.I. Satpayev conducts contract research with such well-known private and state enterprises as Kazzinc, Kazchrome, PetroKazakhstan Kumkol Resources, Tospa Su, Kazatomprom, Parasat, and Pavlodar Petrochemical Plant.

In addition to the 8 scientific research institutes working in the university, the Kazakh National Research Technical University named after K.I. Satpaev has a rich research infrastructure. Most of the research work of the university is conducted on the basis of the Technopolis Polytech Technopark, which was awarded the official National certificate and a commemorative medal with gold covering "Leader of Kazakhstan".

In the research infrastructure of the Kazakh National Research University named after K.I. Satpayev also includes 5 research laboratories that study a wide range of topical scientific problems in areas ranging from architecture to biotechnology for mining, namely: the Architecture Laboratory, the Engineering Profile Laboratory, the Innovative Geological and Mineralogical Laboratory, the National Scientific Laboratory for the Collective Use of Information and Space Technologies, Research Laboratory of Biogeotechnology of gold,

uranium and polymetallic ores. On the basis of the National Scientific Laboratory for the Collective Use of Information and Space Technologies, created on the initiative of the President of the Republic of Kazakhstan, a unique complex of computing clusters - Supercomputer with a peak performance of 10.9 TFLOPS - was launched.

The university possesses a unique material and technical base, with the help of which it can produce almost any product in a short time in a single copy on the instructions of the customer. The production is deployed on the basis of the scientific laboratory Fab lab, which has the largest center of 3D plastic printing (ABS) in Kazakhstan, a 5-axis milling machine with the latest software control and equipment that completely covers the entire production cycle of electronic cards.

The interaction between teaching, research and training, and between the business community and the university in the Quality Assurance Policy play a key role, and it has intensified due to the university's transition to research status. The University took responsibility for the effective functioning of the university management system (<http://kaznitu.kz/ru/about/internal-regulations/certifications>) based on the requirements of the ISO Quality Management Standards ISO 9001: 2015, ENQA Standards and Directives, own standards, as a guarantee of the quality of the university's activities. The main goal is to guarantee the quality of educational activity by meeting the requirements of consumers.

The policy of the KazNRTU named after K.I. Satpayev (<http://kaznitu.kz/ru/about/internal-regulations/1level>) is now focused on improving corporate culture and preserving values. The university adopted and approved the main regulatory documents that define the policy in the field of quality assurance culture: the University Charter, the Internal Regulations, the Code of Corporate Culture of the faculty and students of KazNRTU named after K.I. Satpayev. Corporate culture is the decisive factor determining the effectiveness of the University.

Confirmation of the development of a culture of quality assurance at the university is the success in achieving target quality assurance indicators, the results of external evaluations:

- KazNRTU named after K.I. Satpaev was the first in Kazakhstan to have passed and re-confirmed the International Institutional Assessment in the European Association of Universities (EUA) for the International Evaluation Program (IEP, 2014);

- in November 2015, the university passed a national institutional assessment in the accreditation agency of IAEQE (Kazakhstan);

- accredited educational programs in international and national accreditation agencies: ASIIN (Germany) - 18 specialties; IAEQE - 48 specialties; IAAR - 33 specialties;

- KazNRTU named after K.Satpayev takes 1st place in the rating of Kazakhstan universities on academic indicators of training specialists among technical universities, is the leader in technical sciences and technologies according to the results of the rating of educational programs of universities held by the NAC RK (now the Center for the Bologna process and academic mobility) in the period from 2011 and 2015;

- In the international ranking of universities QS World University Rankings - 2017 took the position 411- 420 among the Top 800 best universities in the world, improving the indicator of 2016 for 100 positions. In the ranking of QS University Rankings "Developing Europe and Central Asia" 2016-2017gg. KazNRTU entered the Top 100, taking 50th place;

- According to the estimation of the international rating agency Webometrics Ranking of World Universities, KazNRTU became the leader among Kazakhstani universities, taking first place;

- in 2017, the quality management system passed the procedure of recertification and confirmed the double QMS certificate for compliance with the international standard ISO 9001: 2015 for No. 17.1747.026 dated November 15, 2017 from the Association for

Certification "Russian Register" and the International Network of Certification Agencies "IQNet".

The quality assurance policy applies to those activities that are performed by contractors and partners. At the university, outsourced services are transferred to certain functions performed by external organizations: provision of energy resources, servicing of individual equipment, banking services for cash and settlement services, medical services, personnel training, inspections by control and supervision authorities, product certification services, accreditation and certification of testing laboratories, accreditation of educational programs.

The management of outsourcing processes and the requirements for them are fixed in the Quality Manual, the KazNRTU DP Informational and Telecommunication Service, the KazNRTU DP Department of Public Procurement Management and others (<http://kaznitu.kz/ru/about/internal-regulations/2level/> / documented-procedures).

The University systematically analyzes the state and perspective development of industrial branches of the Republic of Kazakhstan, the annual Addresses of the President of the country N.A. Nazarbayev to the people of Kazakhstan with the aim of adjusting the content of the EP and matching the training of specialists to the labor market requirements. This analysis is carried out by profiling chairs, educational institutes and relevant departments of the university.

The results of the analysis are used to develop proposals for strategic planning for the development of institutions, departments and the university as a whole.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Educational programs 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport " are accredited to IAAR for the first time.

(V) DESCRIPTION OF THE VISIT OF THE EEC

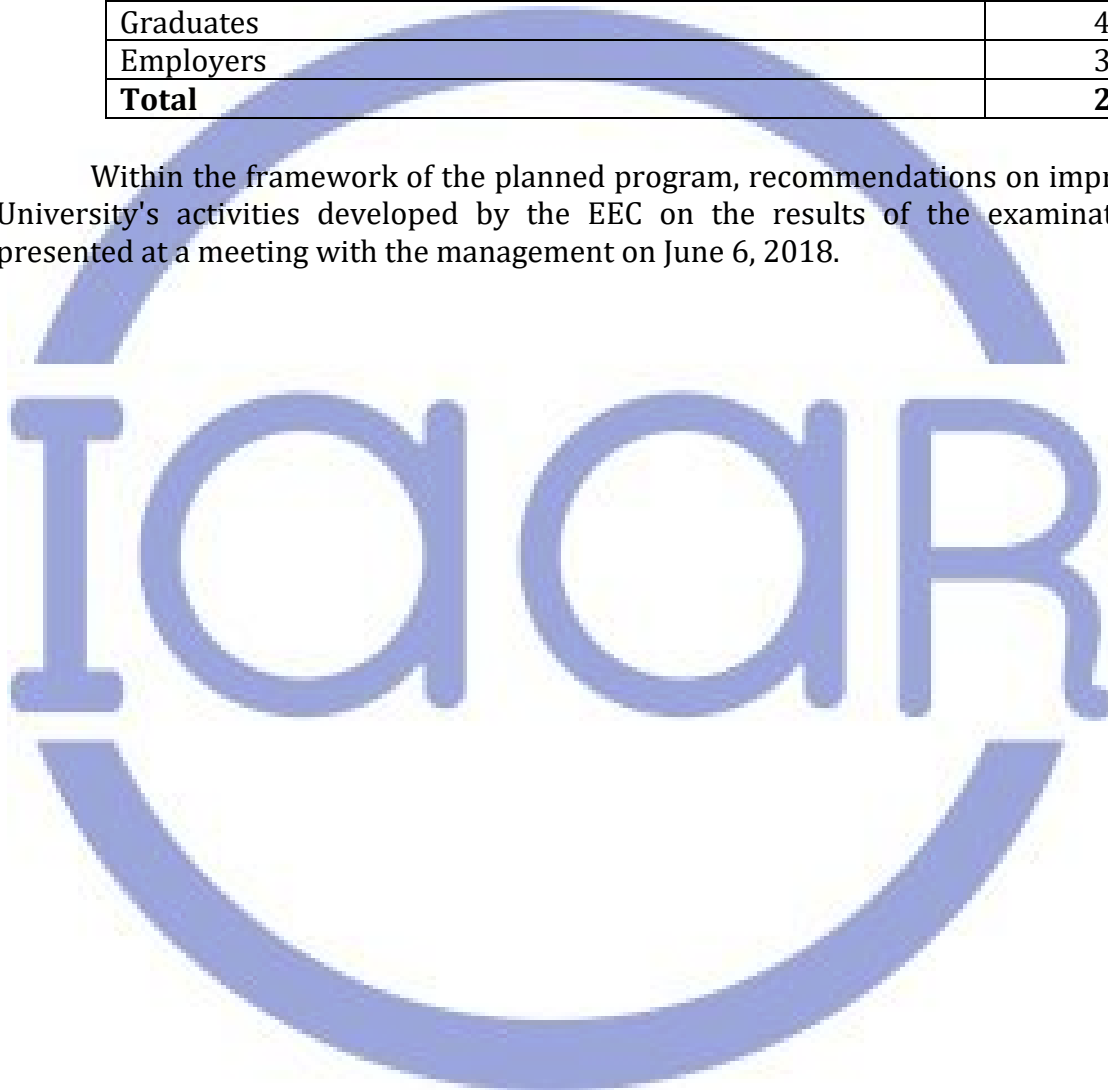
During the tour, members of the EEC got acquainted with the state of the material and technical base, visited the KazNRTU Museum named after K.I. Satpayev, Mineralogical Museum, Scientific Library, training ground of the Mining and Metallurgical Institute, Registrar Office, Research and Production Department "FabLab", House of Masters and Doctoral Students, Institute of Military Affairs, National Scientific Laboratory of Information and Space Technologies, Laboratory of Engineering Profile, Laboratory "Innovative Geospatial Technologies in Geodesy, Cartography and Mine Surveying", Laboratory of the Theory of Metallurgical Processes, Pyrometallurgical Laboratory, the Laboratory for Metallurgy of Light and Rare Metals, the Laboratory "Quantum Physics", the Laboratory of thin-film technologies, the Kaspersky Lab and network technologies, the laboratory for circuit engineering.

The events planned within the framework of the visit of the IAAR EEC contributed to a detailed explanation of experts with the university's educational infrastructure, material and technical resources, in the context of educational programs 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100 - "Organization of transportation, movement and operation of transport," faculty, representatives of employers' organizations, students and graduates (table 1). This allowed the IAAR members to conduct an independent assessment of the compliance of the data set out in the self-assessment reports of the university's educational programs with the criteria for specialized accreditation standards.

Table 1 - Information on employees and students who took part in meetings with the EEC IAAR

Category of participants	quantity
Rector	1
Pro-rectors	6
Directors of institutes	13
Heads of Chairs	10
Directors of departments and heads of departments	5
Teachers	54
Students, undergraduates, doctoral students	76
Graduates	45
Employers	34
Total	244

Within the framework of the planned program, recommendations on improving the University's activities developed by the EEC on the results of the examination were presented at a meeting with the management on June 6, 2018.



(VI) CONFORMITY TO THE SPECIALIZED ACCREDITATION STANDARDS

6.1. Standard "Educational program management"

The Evidence

In the Kazakh National Research Technical University named after K.I. Satpaev training is realized in accordance with the State license for occupation by educational activity No. KZ56LAA00005304 issued by the Education and Science Control Committee of the Ministry of Education and Science of the Republic of Kazakhstan on July 11, 2015. Training of specialists is carried out according to the Classifier of specialties of higher and postgraduate education of the Republic of Kazakhstan for full-time education. The language of instruction on accredited EP is Kazakh, Russian, English.

The University in November 2015 passed a national institutional assessment in the accreditation agency of IA EQE (<http://kaznitu.kz/upload/university/-IA-NKOKO--rus.PDF>).

The university demonstrated the existence of a quality assurance policy, a common university concept of quality (quality assurance system).

The quality manual (<http://kaznitu.kz/en/about/internal-regulations/1level>) was developed taking into account the requirements of the following normative documents:

- MS ISO 9001: 2015. Quality management systems. Requirements.
- MS ISO 9000: 2015. Quality management systems - Basic provisions and vocabulary.
- SS ISO / IEC 17025: 2009 General requirements for the competence of testing and calibration laboratories.
- Standards and Guidelines for Quality Assurance in the European Higher Education Area. ESG report. 2015. (Standards and Directives for the Quality Assurance of Higher Education in the European Area).

The quality policy (<http://kaznitu.kz/en/about/internal-regulations/1level>) is formed and periodically revised based on:

- University development programs for 2017-2021 (<http://kaznitu.kz/en/about/internal-regulations/project-development-programs>);
- University 2025 ROADMAP (<http://kaznitu.kz/en/university/mission-strategy>);
- Current results of the analysis of customer satisfaction educational service and other stakeholders;
- "ESG Standards and Directives";
- Information on the results of the functioning of QMS KazNRTU for previous periods.

The Commission notes that the university has a well-developed culture of quality assurance.

The implementation and development of accredited programs is determined, first of all, by the mission, vision, strategy of the university development, and also by the Development plans of educational programs.

The strategy for the development of KazNRTU is presented at University 2025 ROADMAP (<http://kaznitu.kz/ru/university/mission-strategy>), where the vision of the University's development is formed and consolidated.

OP 5B050600- «Economics», 5B050900- «Finance», 5B090900- «Logistics (by industries)», 5B090100- «Organization of transportation, movement and operation of transport» are realized in accordance with the vision, mission and strategy of KazNRTU named after K.I. Satpayev (<http://kaznitu.kz/en/admission/ugr/specialities>).

The management of the EP attracts representatives of employers to determine the direction of development of educational programs and their management.

The effectiveness of the development plan for the EP is ensured by the responsibility of the TS for the final results, the delegation and delineation of powers, and the posting of information on the university's website.

To manage business processes, the University in its activities is guided by the standards and directives of ECTS and uses the Quality Management System that meets the requirements of international standards. To support the main business processes in the university, a set of internal regulatory documents has been developed that regulates the implementation of the EP.

- The traditional management mechanisms regulating the relationships of employees across the vertical management are the Anti-Corruption Policy, the Code of Corporate Governance, the Code of Corporate Ethics and the Internal Regulations adopted at the University, which reflect the requirements of corporate culture, official subordination, work order, tolerance, academic honesty ([http : //kaznitu.kz/en/about/internal-regulations/3level/cmku](http://kaznitu.kz/en/about/internal-regulations/3level/cmku)).

- All internal regulations are structured over 3 levels and posted on the official website of the University in the public domain (<http://kaznitu.kz/ru/about/internal-regulations>).

The university has a DP KazNRTU 613 Risk Management (<http://kaznitu.kz/en/about/internal-regulations/2level/documented-procedures>).

The necessary information, personnel, financial and material resources, as well as regulatory and legal documentation that ensure the implementation of educational programs are available to manage the EP.

- To develop and regularly adjust the EP, expert councils are created with the involvement of specialists from both the internal and external environment, including trainees, teachers and employers. Demonstrated representativeness of employers involved in the design and implementation of each educational program.

- The management of the EP operates on the principles of openness and accessibility for students, teaching staff and employers. The university rector has his own blog on the university's website (<http://kaznitu.kz/ru/about/rectors-blog>), where all interested persons can ask questions. The university's website contains information about institutes (<http://kaznitu.kz/ru/schools>) and departments (<http://eb.kaznitu.kz/ru/departments/bm>, <http://ie.kaznitu.kz/en/departments/amec>), contact details of the management of institutes and departments. Heads of chairs have reception hours for visitors.

Analytical part

At the same time, the following questions concerning this standard are not fully reflected in the self-report and were not confirmed during the visit of the EEC.

EEC notes that the uniqueness and advantage of EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)" before the analogous educational programs of other higher education institutions, is not confirmed enough; this opinion was confirmed during interviewing of managers of the EP and in the analysis of presented documentation.

The experts were convinced of the existence of a definition of those responsible for business processes within the framework of the EP, the distribution of the duties of the staff, the delineation of the functions of the collegial bodies, while revealing the lack of transparency in the management of the educational program, which was confirmed during the interviewing of the teaching staff and students.

Based on the results of the TS survey:

- 20% are not satisfied with encouraging the innovative activity of the TS;
- 23.6% of respondents assess the perception of criticism by the management and administration of the university;
- 87.2% are satisfied with the feedback of the TS with management;

- 90.9% highly appreciate the support of the university and its leadership in developing new educational programs.

According to the results of the questionnaire, the level of accessibility and responsiveness of the university administration is "completely satisfied" - 53.8%, "partially satisfied" - 42.3% of students.

Strengths / best practice

- KazNRTU named after K.I. Satpayev has the status of a research university, which confirms the interaction between teaching, research and training.

- The quality policy is transparent, accessible, published on the official website of the university.

EEC recommendations

1. Strengthen work on the formation and implementation of two-diploma education and academic mobility.

2. Increase the involvement of employers, trainees, teaching staff, and other stakeholders in the content and development of the discussion.

3. Strengthen the analysis of risk management in the system of strategic management of the university.

Conclusions of the EEC on the criteria for EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport": strong - 2, satisfactory - 13, requiring improvement - 2.

6.2 Standard "Information management and reporting"

The Evidence

The University implements information management processes, including the collection and analysis of information: the Information Systems Department functions, which is responsible for the information support of the University and its units; formation through the media of a positive public opinion about the activities of the University; assistance to journalists in their work on covering the activities of the university and its departments.

The general information part of the site contains information about the university, its departments, events occurring within its walls.

The following information technologies were introduced in the management activities of the University: the educational portal (<http://sso.kaznitu.kz/account/login/>) and the official site (<http://kaznitu.kz>), the corporate information management system (CIS "Polytech"), the system "Anti-plagiarism" (<http://strikeplagiarism.com/en/>), technology for webinars, online lectures, etc.

- Monitoring of the MEP development plan is carried out through the collection of reports on the implementation of the operational plan for the development of the EP, the annual reports of the department, the monitoring of the readiness of the departments for the academic year, the quality examination of the EMC, the EMCD, the methodological and material support of the EP, the readiness of the auditorium and the educational laboratory base EP, etc., as well as through the questionnaire of students and graduates, employers and parents on the degree of satisfaction with the educational services received.

- As the MEP development plan is implemented, reports are kept, which are reviewed at the departments' meetings, and a report on the main activities of the departments to the directors of institutes and supervising pro-rectors is submitted annually. Thus, monitoring

DP KazNRTU 721 "Consideration of applications of citizens and legal entities" (<http://kaznitu.kz/en/about/internal-regulations/2level/documented-procedures>) establishes the procedure for registration and consideration of incoming appeals (letters, complaints, proposals, applications) in the NJSC "Kazakh national research technical university named after K.I. Satbayev.

- On the page of each student there is a section "Feedback on all questions", where the student can pass a questionnaire, send an email to the teacher, the rector.

- The University has a support center for students and advisors, where students and teachers can apply for advice.

Analytical part

According to the analysis of compliance with the criteria of the "Information Management and Reporting" standard for accredited areas, the commission notes the following: the university has an information management and reporting system. Databases are stored in electronic and paper format in accordance with the nomenclature. Most of the information is stored in electronic format, which significantly reduces some of the risks, but does not comply with some regulatory requirements.

Widely used are the results of processing information from the university on the results of recruitment, academic performance, movement of the contingent, the number of graduates, financial resources, staff, the number of publications, business trips, contracts with foreign universities, etc., which are presented in regular reports of the relevant services to the administration and the Scientist Council, upon request of the Ministry of Education and Science, etc.

During the visit of the EEC University did not fully demonstrate how preventive and corrective measures are developed, based on the analysis and evaluation of control indicators, as well as an assessment of their effectiveness.

According to the results of the survey, 21.8% note a poor involvement of the TS in the process of making managerial and strategic decisions.

Strengths / best practice

- Positive indicators of academic achievement, achievement of students and deductions.

- Regular measurement of the satisfaction degree of the needs of teaching staff, staff and students within the EP.

- Availability of educational resources and support systems for students.

- Facilitate the provision of all necessary information in the relevant fields of science.

EEC recommendations

1. On an ongoing basis, update the university's website with up-to-date information on university development and educational programs.

Conclusions of the EEC on the criteria for EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport": strong - 4, satisfactory - 13.

6.3 Standard "Development and approval of the educational program"

The Evidence

The development and approval of educational programs at the university is carried out in accordance with the provisions of normative and legal acts in the field of higher

work of students under the guidance of the teacher and independent work of the student, all kinds of professional practice, intermediate certification are indicated.

An important role in the training of specialists, namely in the development of their professional competencies, is played by various types of practices provided for by the EC. Professional practice students take place in the departments of the university, as well as on the basis of the partners of the department, for example, LLP "Business partner consulting", LLP "Express Consulting", LLP "Alpari-Service", LLP "Su zhelisi", etc. In the university after the end of practice students submit to the department a report and a diary, signed by the head of the practice base.

At the University, in order to identify the training needs of specialists and the requirements of the interested parties, the Department produces permanent partnerships with employers, on the basis of concluding contracts and memoranda, round tables and open meetings of the chairs are held with the participation of interested persons on the formation of educational programs

Analytical part

For all accredited EPs, models of specialists have been developed that include general and professional competencies.

As a result of the analysis of the submitted documentation by the representatives of the EEC, it was found out that the departments do not develop working curricula for the EP for the academic year. The catalogs of elective disciplines do not specify pre- and post-requisites, the results of training on specific disciplines.

The analysis of the documents examined, as well as the results of the interview with students, teachers, graduates and employers, led to the conclusion that the content of educational disciplines in the framework of educational programs does not always take into account changes in the labor market, employers' demands and social demand of society. In this regard, there is a need to revise the content of the academic disciplines. Also, to strengthen the practical orientation of the proposed courses, develop elements of dual education at senior courses.

The Commission notes that agreements signed with foreign partners are intentional and do not confirm the existence of joint educational programs or two-degree programs.

The TS survey, conducted during the visit of the IAAR EEC, demonstrated a high appreciation (90.9%) of the university's attention to the content of the EP. At the same time, the content of the EP "very well" meets the requirements of 27.3% of the TS, "well" - 63.6%.

Questioning of students showed that the level of responsiveness to feedback from teachers regarding the learning process is fully satisfied with 75%; in part - 21.2%; Satisfied with the quality of teaching fully - 82.7%, in part - 15.4%.

Strengths / best practice

- Models of specialists for all accredited EPs have been developed, which describe the results of training and personal qualities.

- The procedures for the development of the EP and their approval at the institutional level have been defined and documented.

- The Center for Professional Certification of Project Management functions at the University.

- The complexity of the EP is clearly defined in Kazakhstan credits and ECTS.

EEC recommendations

1. To continue the work in the field of providing the possibility of preparing students for professional certification in all the EP.

2. Strengthen the work on the development and implementation of joint educational programs with foreign educational organizations.

Conclusions of the EEC on the criteria for EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport": strong - 2, satisfactory - 9, requiring improvement - 1.

6.4 Standard "Permanent monitoring and periodical assessment of educational programs"

The Evidence

The self-assessment report of the university presents the necessary information on the issues of ongoing monitoring and periodic evaluation of the educational programs of the accredited cluster.

The institution defines the procedure for monitoring, reviewing and revising the EP. This process is initiated: the need for regular updating of the EP; changes in the requirements of consumers and other interested parties; requirements of international, interstate and national standards for quality assurance; organizational and administrative documents.

- To determine the level of satisfaction of internal needs, a survey of students, teachers and university staff is conducted. Chairs conduct systematic monitoring of the workforce, student performance and employment of graduates. Monitoring is carried out through educational portals (<http://portal.kaznitu.kz/>, <http://sso.kaznitu.kz>), carried out by the summary analytical department of the University and the leadership of the department. Monitoring results are available to all internal and external users through university websites and internal networks.

- The departments regularly monitor the state of science and practice, which makes it possible to make timely changes to the EP. The monitoring is carried out by the faculty of the faculties of the departments and submits their proposals to the specialty council, which determines the need to change the content of the curriculum and disciplines. Teachers and students have the opportunity to influence the content and form of the EP.

- In the development of elective courses and the formation of professional competencies, students were introduced new disciplines, taking into account the requirements of the market and the wishes of interested persons. For example, according to the EP "Economics" disciplines were included: "Modeling and forecasting of economic processes", "Behavioral Economics", "Risks in Entrepreneurial Activity", "Strategies of Transnational Companies", "Brand Marketing", "Corporate Business Law"; disciplines on "Finance" included: "Bank lending", "Corporate finance", "Securities market", "Financial planning and enterprise budgeting"; disciplines on "Logistics (by industries)": "Business Logistics and Supply Chain Management", "Analytical Methods in Logistics and Supply Chain Management", "Modern Modeling in Logistics and Supply Chain Management", "Logistic Risk Management in supply chains".

Permanent monitoring and periodic evaluation of accredited EPs is carried out taking into account the suggestions of students participating in the process of selecting and forming a list of elective disciplines, developing the subject of graduate work, as well as opinions and suggestions of students and employers on the basis of professional practices, suggestions of the chairmen of the SAC. Also, the demand for graduates in the labor market and the recognition by employers of the quality of training specialists are taken into account.

The EP is updated in connection with the change in state compulsory standards of higher education, the introduction of new directions and elective courses. Renewal of the EP is carried out in accordance with the requests of employers, which is reflected in the catalog

of elective disciplines for the relevant academic year and approved by the Academic Council of the university.

All measures to control the quality of the educational process, conducted at different levels, are recorded in the form of records, acts, certificates, reports, etc., and are discussed at the meetings of the departments, at the faculty council, the Academic Council of the University. Based on the analysis and evaluation of control indicators, measures are being developed to improve the quality of the implementation of the EP.

After completion of all procedures for making adjustments / changes to the EP, all stakeholders are informed of upcoming adjustments / changes.

Informing all interested parties about any actions in relation to the EP occurs through the portal <http://sso.kaznitu.kz/>, electronic means of communication and the dispatch of invitations.

Changes made to the EP are published on the official website of the University <http://kaznitu.kz/> and become available for public review.

Analytical part

In the course of analyzing the criteria for this standard, the commission notes the following.

EEC confirms that the university has developed in detail a monitoring system for the implementation of the EP using SWOT and PESTEL analysis.

The leadership of the university demonstrated its openness and accessibility for students, teachers, employers: hours of reception on personal issues were determined, meetings with the rector were systematically held. As a channel of communication for innovative proposals, traditional forms of feedback are used: meetings with management and the rector's blog.

The Commission notes that the university systematically provides a review of the content and structure of educational programs, as well as an external peer review.

To determine changes in the labor market and the requirements of employers and social demands of the society, the Institutes analyze the changes in the labor market on the basis of data: the Ministry of Labor and Social Protection of the Republic of Kazakhstan; Committee on Statistics of the Ministry of National Economy, on employment sites (HR.KZ), according to partner enterprises and employers.

The self-assessment report presents a detailed algorithm for designing changes to the EP, but during the interviewing of focus groups, visits to the departments and analysis of the documentation provided, EEC representatives note that in practice this mechanism does not work in full.

Strengths / best practice

- The university provides for a regular review of the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of the society.

- The university has developed a monitoring system for the implementation of the EP.

- The University has a good educational environment and support services, consistent with the objectives of educational programs.

EEC recommendations

1 To intensify the work on the updating of educational programs, with the publication of all the done changes on the site of the university, with the involvement of all interested persons.

Conclusions of the EEC on the criteria for EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport": strong - 1, satisfactory - 9.

6.5 Standard "Student-centered learning, teaching and assessment of progress"

The Evidence

The management of the EP provides equal opportunities for students regardless of the language of instruction in the formation of an individual educational program aimed at the formation of professional competence. Regardless of the language of instruction, syllabuses, EMCD, scientific and educational literature, SIW, SIWT, consultations and information resources are available to the students. Graduating chairs ensure the harmonious development of students taking into account intellectual development and individual characteristics. The needs of students are identified through questionnaires and filling out special forms on the educational portal of KazNRTU (<http://portal.kaznitu.kz/?q=ru/news>).

The EP management seeks to ensure attention to different groups of learners and their needs, providing them with flexible learning paths and using various forms and methods of teaching and learning. Before the start of the EP, the data of the questionnaire and the electronic databases of the trainees are processed and the corresponding corrections are made on the basis of these data. The departments conduct their own research in the field of methods of teaching the academic disciplines of the EP.

For the purposes of student-centered instruction, different teaching methods and technologies are used at the departments taking into account the variety of forms of information assimilation. The following active and innovative teaching methods are introduced in the educational process: the method of analyzing specific situations; method of discussion; training in cooperation, lecture-conversation, lecture-visualization, lecture-debate, brainstorming; method of projects; method of business game. It is planned to introduce the following methods: problem and gaming technology, collective and group activity technologies, imitative methods of active learning, creative learning, innovative educational project activity, lecture-press conference.

The use of innovations in the learning process is manifested through the use of various active forms and methods of teaching. These include the creation of projects, the preparation of public statements, discussion of problems, the artificial creation of uncertainties or problem situations, the preparation of professionally directed videos and presentations.

Monitoring of the effectiveness and effectiveness of innovation and the use of active teaching methods include the opinion of the teaching staff, students and other consumers about the quality of teaching, for which the Center for Social Monitoring and Forecasting, which is guided by the KazNRTU 714 DP "Sociological Monitoring: Questionnaire Survey", has been established and is functioning.

In addition, the Department of Internal Audit conducts an electronic questionnaire "Teacher through the eyes of students", also within the framework of the instruction of the Ministry of Education and Science of the Republic of Kazakhstan KazNRTU named after Satpaev conducts an evaluation of its activities through the involvement of independent sociological companies.

Acting within the framework of the credit system of education, the chairs create the most favorable conditions for students to master the disciplines of the specialty. For this purpose, the following are being developed:

- 1) working programs for each discipline for students;

In institutions, a disciplinary council is created annually by the directors' order, whose competence includes receiving and examining the complaints of students. The complaint is written in the name of the chairman of the commission, which convokes the members of the council.

Appeal of the results of academic achievement of students is carried out through the work of the Appeals Committee.

A classical feedback tool on the study of the quality of teaching (content, forms, methods) is the questioning of students.

Forms of feedback are also the rector's blog and a virtual complaint book located on the university's website, as well as meetings with the heads of departments, deans, university management.

Analytical part

During the visit, experts of the EEC on this standard came to the following conclusions.

In order to improve the quality of teaching and the professional competences of the departments, work is being carried out to provide the trainees with the opportunity to choose an individual trajectory of training with the right to choose not only the disciplines but also the teacher. In the course of the interview, the students confirmed the opportunity at the university to choose subjects in a language other than the language of instruction.

The students confirmed the efficient functioning of the appeals mechanism.

Also, in the process of interviewing students and teaching staff, the university portal was actively used, which confirms its effectiveness.

In general, both students and teachers expressed positive opinions on the progress of the implementation of the accredited EPs, which subsequently confirmed the results of the questionnaire.

However, we consider it necessary to note that within the framework of accredited programs there is a need in the university for the development and implementation of new own research within the teaching methodology for the development of student-centered learning.

Trainees believe that the university provides equal opportunities for all students - 73.1%, also express full satisfaction with the quality of teaching 82.7%, the fairness of examinations and attestation - 76.9%, tests and tests - 78.8%.

Strengths / best practice

- The University has shown attention to different groups of students and their needs.
- The University ensures consistency, transparency and objectivity of the evaluation mechanism for each training program, including an appeal.

EEC recommendations

1. To continue the development of our own TS research in the field of methods of teaching the academic disciplines accredited by the EP in the context of student-centered learning

Conclusions of the EEC on the criteria for EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport": strong - 1, satisfactory - 9.

2016). The University has drawn up agreements with organizations, enterprises, institutions, defined as bases of practices for different terms with coverage of all specialties.

Planning and implementation of employment arrangements is described in DP KazNRTU 710 "Employment of graduates" (<http://kaznitu.kz/en/about/internal-regulations/2level/documented-procedures>).

In order to promote the employment of graduates, a vacancy fair is held annually, at which interested employers have the opportunity to meet with graduates. The event is attended by representatives of more than 40 companies, including Schlumberger, KazTransOil, Baitau Partners, Kazakhmys Corporation, Philip Morris Kazakhstan, Caspimunaigas, construction company Basis, Bureau Veritas Kazakhstan, Consulting Engineers, Borusan Makina Kazakhstan.

To support graduates with employment, the "Career Center" has been created and successfully functioning, which organizes meetings, seminars, conferences and coaching aimed at summarizing, analyzing and providing information on the status and trends of the labor market to trainees, the requirements for the jobseeker ; increases the level of awareness of students and graduates on the status and trends of the labor market in order to maximize their employment opportunities; Creates and updates databases of vacancies offered by employers in relevant specialties; forms a data bank and provides employers with information about graduates, opportunities for students to receive additional educational services and the conditions for targeted training of specialists, taking into account the specifics of a particular enterprise.

Information on the employment of graduates is given in Table 4.

Table 4 - Employment of graduates

Academic year	Release	Employed	%
5B050600 Economics			
2015-2016 Academic year	8	6	75
2016-2017 Academic year	17	15	88
5B050900 Finance			
2015-2016 Academic year	19	16	84
2016-2017 Academic year	22	18	81
5B090900 Logistics (by industries)			
2015-2016 Academic year	10	9	90
2016-2017 Academic year	12	11	91
5B090100 Organization of transportation, movement and operation of transport			
2015-2016 Academic	2	2	100

Academic year	Release	Employed	%
year			
2016-2017 Academic year	0	0	

To maintain feedback from alumni of different years, the university's website (www.kazntu.kz/) is used in the "Alumni" section (<http://kazntu.kz/ru/university/alumni>) and social networks (vk.com, facebook.com, instagram.com, twitter.com). The Alumni Association functions, whose purpose and task is to establish and strengthen business ties with companies and organizations in which graduates of the university successfully work.

For excellent academic performance, active participation in research work, public life or work of university structural units, awarding places in various types of competitions and competitions to students, the following incentive measures can be applied: announcement of gratitude, rewarding with a diploma / medal "For significant contribution to development of KazNRTU, awarding the titles "Best Student of the Year", "Best Activist of the Year", "Best Student of the Year", letters of thanks to the parents of students-

So, for example, the student Ebesova A.B. was awarded with the "Diploma of the best report" on the topic " Логистикадағы кәсіпорын қорларын бақылау және басқару жүйелері " at the conference Satpaev readings "The scientific heritage of Shahmardan Yesenov". Second-year student Nurbay M. took an honorable 3-place on the results of the Olympiad in the discipline "Macroeconomics" in the republican student subject Olympiad in economic disciplines at the University "NARXOZ". A third-year student, Abilkhairova S., won first place in the "Togyzkumalak" championship of the KazNRTU named after K.I.Satpayev, for which she received a diploma and a certificate in cash of 50,000 tenge.

Teachers actively participate in republican, international and regional competitions, promotions and sports competitions in conjunction with youth organizations. Information on the participation of students in various activities is given in Table 5.

Table 5 - Participation of students in olympiads, contests, scientific conferences

Academic year	Participation in olympiads	Participation in contests	Participation in scientific conferences	Student publications
2014-2015	14	6	121	58
2015-2016	20	4	115	62
2016-2017	7	3	20	14
2017-2018	6	2	17	15
Total	47	15	253	149

Analytical part

During the visit, experts of the EEC on this standard came to the following conclusions.

Analyzing the new university site, the commission observes significant improvements. Information presented in the "Incoming" section, very rich, has an updated format. The information on career guidance activities, the advantages of the university and general information about it, detailed descriptions of specialties, international programs and new EPs, the procedure for obtaining grants, information on employment and university partners, student life, and much more. A special feature is the presence on the site of the professional orientation test and the electronic admission committee available from anywhere in the world.

The Commission, in the course of analyzing the contingent of trainees, observes a tendency towards its reduction. The management of the EP explains this situation with a deliberate decision, the leadership of the university, including the start of the admission in 2018-2019 for a new innovative program "Mathematical Economics", developed jointly with the University of London on the basis of the EP "Mathematical and Computer Modeling", "Economics" and "Finance". Official confirmation of the right to conduct training on this EP by the MES RK is available.

Documents on cooperation with foreign universities, presented as evidence of academic mobility, are of a formal nature. In the course of conversations with students, their lack of knowledge about the possibilities of academic mobility was revealed.

The Commission notes that, despite the existence of an alumni association at the university, it is not sufficiently active. None of the graduates who participated in the interview did not confirm their membership in this organization.

During the interviewing of the students it was proved that conditions are being created to support gifted students by providing discounts, grants for training, stimulating creative activity, etc. Also, foreign students confirmed the availability of adaptation programs and the provision of equal training conditions.

According to the results of the questionnaire, only 59.6% of the students express full satisfaction with the availability of academic counseling; availability of health services - 51.9%; availability of library resources - 86.5%; existing educational resources - 76.9%; general quality of training programs - 84.6%; the ratio between the student and the teacher is 86.5%.

Strengths / best practice

- The university has clearly worked out the policy of forming a contingent of students from admission to release, ensuring the transparency of its procedures.
- The university has special programs for adaptation and support for newly enrolled and foreign students.
- The University provides practice-based practice, facilitates the employment of graduates, and liaises with them.
- The University provides graduates with documents confirming the received qualification, including the results of training.

EEC recommendations

1. Expand the range of programs for internal and external academic mobility of trainees, assist in obtaining external grants for training.
2. Intensify the activities of the University Alumni Association.

Conclusions of the EEC on the criteria for EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport": strong - 4, satisfactory - 6, requiring improvement - 2.

6.7. Standard "Teaching staff"

The Evidence

The management of the EP demonstrates the application of the personnel policy of the university for the TS involved in the implementation of the EP. The university has developed DP KazNRTU 601 "Personnel Management" (<http://kaznitu.kz/ru/about/internal-regulations/2level/documented-procedures>), which provides for the creation of a competitive academic environment. Personnel selection is carried out on the basis of the analysis of the needs of the educational program, which results

in the announcement of a competition for filling vacancies. The competition for the filling of vacant posts of TS and researchers at the university is conducted in accordance with the current legislation.

The main provisions of the University's personnel policy are compliance with standard qualification characteristics for employees of educational institutions, approved by the order of the Ministry of Education and Science; availability of higher and postgraduate education in relevant specialties, productive scientific activity, as well as competence and competitiveness. Heads of structural divisions determine the requirements for the competence of personnel on the basis of job descriptions, qualification requirements, the specifics of the work performed. Heads of structural units submit to the Personnel Department requirements for competence for each position, issued in the form of job descriptions. The Personnel Department is engaged in selection of personnel, registration of their reception, transfer and dismissal, preparation of documents for approval in the positions of employees. The document circulation associated with the TS (personal files, work books, orders, regulations, etc.) is systematically updated as needed.

Indicators on the qualitative and quantitative composition of TS confirm the availability of the human resources necessary for the implementation of the entire spectrum of educational programs and corresponding to the qualification requirements for licensing educational activities.

Realization of EP 5B050600 - "Economics", 5B050900 - "Finance", 5B090900- "Logistics (by industries)" is provided by the Department of Business and Management of the Institute for Project Management named after E.A. Turkebayev, EP 5B090100- "Organization of transportation, movement and operation of transport" is provided by the Department "Applied Mechanics and Engineering Graphics" of the Institute of Industrial Engineering named after A. Burkitbayev.

The quantitative and qualitative composition of the TS in 2016-2017, 2017-2018 academic year departments Business and Management, Applied Mechanics and Engineering Graphics is presented in Table 6, in the context of accredited EPs - in Table 7.

Table 6 - Quantitative and qualitative composition of TS

Academic year / Department	TOTAL			Doctor of sciences		PhD		Cand. science		Master		Specialists		Quantity of graded TS	% of graded TS in the departments
	common	staff	partnersh	staff	partnersh	staff	partnersh	staff	partnersh	staff	partnersh	staff	partnersh		
2016-2017 / BM	48	38	10	3	1	3	2	13	2	19	5	2	-	24	50%
2017-2018 / BM	49	39	10	3	1	3	2	13	2	20	5	2	-	24	49%
2016-2017 / AMEG	40	37	3	4	0	3	0	14	1	13	0	3	2	22	55%
2017-2018 / AMEG	37	37	0	3	0	7	0	12	0	14	0	1	0	22	59%

planned workload. The workload of the TS includes teaching, educational, methodological, scientific, organizational and methodological work, and increasing professional competence.

In all disciplines of the departments there have been developed educational and methodical complexes, where syllabuses of educational disciplines are presented, lectures, seminar plans, SIW tasks, types of control, questions and assignments, rating tasks, exam materials.

The management of the EP demonstrated the support of the research activities of the TS, the link between research and training. Scientific results are used in the educational process and are used in various industries. The following fundamental and applied scientific researches were carried out at the Department "Business and Management":

1. ScRP MES RK theme: "Formation of institutional relations of intellectual property in the conditions of industrial and innovative development of Kazakhstan" for 2015-2017. The head of the topic Ramazanov A.A, Doctor of Economic Sciences, Professor. SRSTI: 06.81.23. UDC: 347.77.023. State registration number: 0115RK02501.
2. Increase of the efficiency of the handling devices operation in the operation of combined modes of transport with the automobile link in the open development of the deposits of Kazakhstan. for 2015-2017 years The head of the topic of the Assoc. prof. Sultanbekova Zh.Zh., Ph.D. 1699 / GF4. SRSTI 52.13.17. UDC 622.68. State registration number: 0115RK01814.
3. Development of a system of econometric models for forecasting monetary policy. An initiative topic. 2015-2017 The head of the topic is Dildebaev Zh.T.
4. Mechanisms of management of logistics systems with an application in LLC "Agroholding" Ontustik SPIID. 2015-2017 Kulzhabai N.M.

Associate Professor of the Department of Applied Mechanics and Engineering Graphics Belyaev E.K. is the head of the project of the MES RK for 2018-2020. on the topic of "Development of a solar cascade solar heat pump for high-potential heat supply of residential buildings in a continental climate" and a responsible executor of the World Bank and CS of the MES RK project "Cascade solar heat pump for heating of premises and hot water for regions with continental climate".

The TS of the chair participates in international scientific and practical conferences, forums held in Kazakhstan and abroad. Teachers have developed and introduced in the educational process teaching aids:

- Ramazanov AA Business management. Tutorial. Textbook. allowance. - Almaty: KazNTU, 2015 - 129 with. ISBN 978-601-228-764-6;

- Alinov M.Sh. Fundamentals of green economy: a textbook / M.Sh. Alinov - Almaty: "Bastau" baspsy. - 2016. - 340 p.

- Alinov M.Sh. Fundamentals of energy saving and energy efficiency: a tutorial. / M.Sh. Alinov - Almaty: Bastau, 2015. - 288 pages.

Information on the publication of the results of the research work of the TS for 2014-2018. in the section of chairs are given in table 8.

Departments	Inventions	Patents	Monographs and textbooks	Articles Recommended by CCSES	Articles in foreign publications	Publications in publications with impact factor	
						Thomson Reuters	Scopus
BM		2	24	29	92	5	2
AMEG	-	3	1	14	11	9	9

(2016-2018)							
Total		5	25	43	103	14	11

- The results of fundamental and applied scientific research are reflected in the accredited EP. The results of research are implemented in the following courses: "Sustainable development and green economy"; "Management in the field of public procurement"; "Intellectual property management"; "Production logistics"; "Inventory management in the logistics system"; "Warehouse Logistics"; "Innovative management"; "Financial management"; "Economic analysis of investments"; "Financial analysis and project management".

- The leadership of the EP demonstrates the mechanisms for stimulating the professional and personal development of teachers and workers. One of the key areas of the EP leadership's work is the creation of favorable conditions for the professional and personal development of the teaching staff, including advanced training. The information on improvement of professional skill for the last three years is presented in table 9.

Table 9 - The number of TS who passed the refresher courses

Name of the department	2015-2016 academic year.	2016-2017 academic year.	2017-2018 academic year.
Department of Business and Management	45	29	17
Department of AMEG	-	34	17

- TS constantly improves its qualification, including through participation in seminars and trainings organized at the university. So, in August 2017 the provost for the academic work Iskakov R.M. held training for the TS "Development of situational thinking of students. Criteria for assessing students' knowledge. "

- The chair organizes guest lectures and invites experienced practitioners. So, in December 2016, Doctor of Technical Sciences, Professor of the National Aviation University, Pavlenko P.N. (Kiev, Ukraine) read the course for the faculty of "Applied Mechanics and Engineering Graphics" on the topic "Computer modeling, design and engineering analysis of parts and assembly units in CAD / CAM / CAE systems, CAMIA v6? Solid Work and Compass 3D2».

- To improve the quality of teaching disciplines, the management of the EP attracts practitioners. In the 2017-2018 academic year, various disciplines for students of 3-4 courses of accredited EP read: Abdildaev M.B. - Certified PMP, project manager of the "Center Credit" Bank, Khamitov S.M. - Certified PMP, Head of IT Department of "Home Bank"; Amanov A.B. - Deputy General Director of KazTransCom LLC. The selection of teachers of practitioners is carried out taking into account the experience of practical work in the relevant industry and the availability of professional certificates.

- Within the framework of the program "Invitation of foreign specialists to universities of the Republic of Kazakhstan" for the years 2015-2017, the following foreign scientists were invited to the university:

- PhD Peter Thor from the Robert Gordon University from 28.05.2017 to 9.06.2017. held a seminar on "Fundamentals of Project Management" and "Evaluation of a commercial project" for teachers and students of the Institute of Management;

- T.I. Kompaniets, Ph.D. from the Graduate School of Management in Barcelona, from 9.12.16 to 21.12.16. lectured at the course "Project Management" and "International Management";

- Tess Dietrich Werner, Doctor of Technical Sciences from the University of Wildau, from 27.11.2016-10.10.2016. held a seminar on the theme "Development of logistics centers";

- Vlasov M.V., Ph.D., Associate Professor of the Ural Federal University named after Yeltsin, from November 21, 2015 to December 5, 2015. lectured on the topic "Knowledge Management and Intellectual Capital";

- Bagirova A.P., Doctor of Economics, Professor of the Ural Federal University named after Yeltsin, from 17.11.2015 to 04.12.2015. held a seminar on "Socio-economic analysis using SPSS", etc.

Increasing the level of professional competence of young specialists at the department is realized through differentiation and optimal combination of types and forms of work, stimulation of professional creative activity and aspiration for professional growth. For each young specialist a mentor from among more experienced teachers is assigned. The management of the EP also supports the initiatives of young specialists in master's and doctoral programs in the domestic and foreign education systems.

- The use of innovative technologies in the university's teaching process is based on a good material and technical base, the improvement of which in accordance with the requirements of the time is carried out constantly. In the classroom, modern information technologies are widely used: computers, interactive whiteboard, Internet, specialized software.

The University has agreements on cooperation in the field of education and science with the following institutions: European Logistic Association (ELA); Budapest Metropolitan University of Applied Sciences (Budapest, Hungary); University of Otto-von-Guericke (Magdeburg, Germany); Brunel University (London, England), Federal Institute for the Certification and Evaluation of Intellectual Property (CJS company SOIS, Moscow, Russia), Belarusian National Technical University (Minsk, Belarus), Krasnoyarsk State Agrarian University (Krasnoyarsk, Russia), International Academy of Evaluation and Consulting (Moscow, Russia), Siberian Branch of the International Center logistics (Krasnoyarsk, Russia), etc.

TS department actively participate in public life of the city and the republic. On the territory of the university there are two polling stations, the chairmen and members of which are teachers and staff of the university.

In addition, the TS are regular participants of the traditional festival of amateur performances "Spring in KazNRTU", the university sports festival "Densaulyk", interuniversity sports festival "Parasat" and other events. Regularly published materials of university scientists in the media, aimed at strengthening the public image of the university.

Analytical part

During the interview, the staff and the TS expressed satisfaction with the current personnel policy at the university, demonstrated awareness of the procedure and nuances of the current personnel management system, confirmed the fact of holding a competition for taking vacant positions directly by the university rector. Young teachers are also satisfied with the working conditions.

The information provided in the self-assessment report on the experience of engaging practitioners in teaching was not confirmed during interviews with focus groups.

The Commission recommended that in future the participation of the TS in competitions for the implementation of grant scientific projects funded by the MES of the RK be continued. Considering that the university has concluded a large number of agreements

on cooperation with other universities, it is a good opportunity to conduct joint scientific research with foreign partners, as well as participate in international projects.

According to the results of the IAAR questionnaire, the faculty expresses complete satisfaction with relations with students (94.5%), with colleagues at the department (89.1%). At the same time, only 45.5% of TS were fully satisfied with the attitude of the management, the activity of the university administration - 43.6%, management of changes in the activity of the university - 45.5%. The level of stimulation of young specialists to the educational process is highly estimated by 92.7% of the TS, recognition of the potential and abilities of teachers - 87.3%. 34.3% are not satisfied with the provision of equal opportunities for all TS.

Strengths / best practice

✓ The University has an objective and transparent personnel policy, which includes hiring, professional development and staff development, which ensures the professional competence of the whole state.

✓ The University demonstrated the adequacy of the staff potential of the TS development strategy and the specifics of the EP.

✓ The management of the EP demonstrates the awareness of responsibility for their employees and the provision of favorable working conditions for them.

✓ The University provides targeted actions to develop young teachers.

Recommendations of EEC

1. Increase the involvement of practitioners in relevant industries
2. Stimulate the participation of teachers in academic mobility programs, joint research with foreign partners and international projects

Conclusions of the EEC on the criteria for EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport": strong - 4, satisfactory - 6, requiring improvement - 2.

6.8. Standard "Educational resources and student support systems"

The Evidence

The university has created conditions for meeting the social, personal and everyday needs of students. To this end, structural units are functioning that assist students in organizing the educational process and in solving social issues: the directorates of institutions; department; Department of Academic Affairs; Registrar's office; Department of International Cooperation and Academic Mobility; science Library; center "Career"; department of educational work; social work administration; Department of Information Technologies, etc.

The University has a material and technical base that provides all types of practical training and research work for students, as stipulated by the educational programs of the university and corresponding sanitary and epidemiological and fire regulations and rules. Creating an effective education infrastructure is a prerequisite for the university to successfully fulfill its mission. In the implementation of this direction, the university is guided by the documented procedures of the KazNRTU 603 Infrastructure Management Department, the KazNRTU 612 DP Auditor Fund and the Educational and Laboratory Base, etc. (<http://kaznitu.kz/ru/about/internal-regulations/2level/documented-procedures>).

The educational process within each OP is provided with the necessary auditor fund, training laboratories, computer classes, a methodical room. Classes on EP 5B050600-

Economics, 5B050800-Finance and 5B090900-Logistics (by industries) are held in classrooms 404 MEB, 410 MEB, 410A MEB, 412 MEB and 620 MEB, equipped with an interactive whiteboard and projectors. The infrastructure of the departments consists of offices for professors, teachers, offices of heads of departments and managers.

Providing software products and solving technical problems is implemented by the Department of Information Systems of the University. Computer classes are used to increase the efficiency of the use of information technologies in the educational process, scientific research and in the management of the educational and organizational work of the university. Computer audiences correspond to all sanitary and epidemiological norms. Audiences are covered by day and artificial lighting, all computer equipment is regularly serviced and, if necessary, equipment is modernized.

At the university for accredited EP there are training programs and applications: AnyLogic, Microsoft Project, 1C- stock, 1C-accounting.

According to the Regulations on the Examination of Graduation Works for Plagiarism (<http://kaznitu.kz/en/about/internal-regulations/3level/mep>), all the results of research, final work of students are tested in the Anti-plagiarized Internet system "StrikePlagiarism" (<http://strikeplagiarism.com/en/>).

Wi-Fi zones have been created in the university, providing access to the corporate network and the Internet.

A unified system of library and information services has been created.

The procurement of educational and methodological literature on the applications of the department is carried out in sufficient volume. Information support of the university meets the requirements of the program; the library contains all the materials necessary for teaching: educational, technical, reference and general literature, various periodicals in accordance with the DP KazNRTU 607 "Information Resources Management of the Scientific Library" (<http://kaznitu.kz/ru/about/internal-regulations/2level/documented-procedures>). The library has an electronic catalog that allows you to search for necessary literature and provides access to electronic versions of individual textbooks and teaching materials.

Information on the availability of literature accredited by the EP is given in table 10.

Table 10 - Information on the availability of literature

Name of EP	Library Foundation (ODD, PD, BD)	Number of textbooks, teaching methodical and scientific literature		
		in kazakh language	in russian language	in english language
Economics	15514	5547	9967	61
Finance	19954	8952	11002	13
Logistics (by industry)	5627	2412	3215	10
Organization of transportation, movement and operation of transport	10848	3288	7560	

The additional literature fund includes official, reference-bibliographic and periodicals. In the library there are alphabetical, systematic catalogs, alphabetical index. The library staff along with the traditional catalog maintain an electronic catalog, which includes

bibliographic descriptions of all the units of the fund. The university has test access to scientific databases:

- SpringerProtocols
- EBS "University library online" In the test mode, databases are available:
- China Academic Journals Full-text Database - includes more than 10 thousand titles of journals on natural, technical sciences, economics with the depth of the archive from 1994 to the present. Work address: <http://oversea.cnki.net/kns55/>
- Academic Focus - database of journals in English and materials of international conferences. Work address: <http://cstm.cnki.net>
- China Data Insights- provides users with simple and accurate access to figures, tables and titles.1074 types of statistical yearbooks, 1383340 tables and 10592774 indicators covering 18 topics. Work address: <http://cdi.cnki.net/>

The University has an annual subscription to the periodicals of the RK and Russia (http://e-lib.kazntu.kz/sites/default/files/podpiska_2017.pdf). The University provides access to computer audiences with Internet connection and scientific resources of the RMEB and to the international electronic resources WebofScience, SpringerLink, subscription is made through the National Center for Scientific and Technical Information where library users can use the electronic resources of other Kazakh universities, the State Pedagogical University "Law", to the Kazakhstan Virtual Scientific Library (VSL) (www.KazakhstanVSL.org), with the EBS of the publishing house Lan, DB of theses of the RSL agreement with the scientific and technical library, ext. agreement No. 2 on cooperation between the FGBE HPE "Bashkir State Pedagogical University named after M. Akmulla" on the possibility of using resources to electronic libraries from 12 December 2015.

In general, the material, technical, information and library resources used to organize the process of education and upbringing are sufficient to fulfill the mission statement, goals and objectives and meet the requirements of the educational program being implemented. To assess the quality of material and technical and information resources used in the implementation of the EP, interviews and questionnaires of students are conducted.

The University's rector is responsible for the management of labor protection activities at the University. The head of the university determines the university's policy in the field of labor protection, the department for labor protection coordinates the operational management of labor protection at the university.

Analytical part

As a result of visual inspection by the EEC members of the facilities of the material base, we note that in order to ensure the educational process of accredited educational programs, the university has all the necessary educational and material assets. The buildings and facilities of the university correspond to the current sanitary standards and fire safety requirements. Auditor and laboratory facilities, classrooms and other premises, sports facilities comply with established norms and rules.

The Commission notes that attention should be paid to creating conditions for students with disabilities.

Also during the interview, students expressed their wishes for organizing rest rooms, wi-fi stability, enough parking spaces, comfortable temperature conditions in the buildings during the winter. At the same time, students living in the hostel showed complete satisfaction with living conditions.

Representatives of the EEC on personal experience were convinced of the inadequacy of parking spaces.

According to the results of the survey, students were satisfied with the existing educational resources of the university "completely" 76.9%; educational rooms, audiences

for large groups - 59.6%; rest rooms for students - 21.2%; computer classes and Internet resources - 36.5%; the hostel - 53.8%.

Strengths / best practice

✓The accredited EPs are provided with library resources, including the educational, methodical and scientific literature on all cycles of disciplines on paper and electronic media, periodicals, access to scientific databases.

✓The University carries out an examination of the results of SRW and final works

✓At the University it is ensured that the safety requirements in the training process are met

Recommendations of EEC

1. Continue work on the systematic replenishment of the library fund with professional literature in the context of accredited educational programs, including in English.

Conclusions of the EEC on the criteria for EP 5B050600- "Economy", 5B050900- "Finance", 5B090900- "Logistics (by industry)", 5B090100- "Organization of transportation, movement and operation of transport": strong - 3, satisfactory - 5, requiring improvements - 1.

6.9. Standard "Public Awareness"

The Evidence

Following the principles of openness and accessibility to the public, the University openly places complete and reliable information about its activities, admission rules, educational programs, terms and form of training, information on graduates' employment, graduates' reviews, contact information and other information useful for applicants and students on various information carriers. Teachers participate in activities aimed at informing students, applicants and all interested persons. The university has a variety of ways to disseminate information to inform the general public and interested persons. All published information is accurate, objective and relevant.

- The main channel for informing the public (future students, their parents, trainees, graduates and employers) is the official website of the University - www.kaznitu.kz, social network accounts: in contact, Youtube, facebook (University), Instagram. To provide information to the internal environment, the corporate media resource, the university newspaper "RAS", is actively used. All important events held by the university are reflected in presentations on large-format permanent monitors located at the university.

In order to establish feedback from students and employers, personal and other questions are taken by the head of the department at certain times, when interested persons can obtain the necessary information. Also, communication with students through the university portal, e-mail communication is carried out. The feedback of the university's management with the public is carried out with the help of a functioning blog of the rector.

The university's website contains information on the Consolidated Financial Statements in accordance with International Financial Reporting Standards (<http://kaznitu.kz/en/about/internal-regulations/3level/mmrfa>).

Also on the University's website there are information and links to external resources based on the results of the external evaluation procedures (<http://kaznitu.kz/en/about/accreditation>).

The mass media for publication have been determined - these are the republican and regional newspapers and the television and radio. All publications are informational, image, explanatory.

To inform applicants in the foyer of the university information boards, posters, stands, banners, as well as nameplates of institutes and departments are placed.

The University annually holds job fairs, which allows graduates and employers to establish contacts for the selection of necessary personnel. As a result of such preliminary work, students even before the release get an idea of the labor market, the existing vacancies and the demands placed on them.

The university regularly participates in various ratings of higher education institutions in Kazakhstan, as well as in external evaluation procedures.

Among the main achievements:

- KazNRTU named after K.I. Satpaev was the first in Kazakhstan to have passed and re-confirmed the International Institutional Assessment in the European Association of Universities (EUA) for the International Evaluation Program (IEP, International Evaluation Program, 2010, 2014).

- KazNRTU named after K.I. Satpayev takes the leading place in the ranking of universities Kazakhstan on academic indicators of training specialists among technical universities, is the leader in technical sciences and technology based on the results of the rating of educational programs of universities, conducted by the NAC (now the Center for the Bologna process and academic mobility) in the period from 2011 and 2015.

- In November 2015, the university also passed and re-confirmed the national institutional assessment in the accreditation agency of IAEQE (Kazakhstan).

- Educational programs in the fields of technology and technology are accredited in internationally accredited international accreditation agencies ABET (USA), ASIIN (Germany), AEER (Russia) and ENAEE, as well as in the national accreditation agency IAEQE (Kazakhstan).

- KazNRTU named after K.I. Satpayev in the international ranking of universities QS World University Rankings - 2015 ranked 501+ among the Top 800 best universities in the world, improving the indicator of 2014 for 100 positions. In the rating of QS University Rankings: Developing Europe and Central Asia 2014/15 KazNRTU entered the list of eight universities of Kazakhstan, included in the Top 100, taking 51-60 place.

- According to the international rating agency Webometrics Ranking of World Universities, KazNRTU became the leader among Kazakhstan universities, taking first place.

Analytical part

The analysis of the information presented on the university's new website showed that the results of the university's activities are reflected in full.

EEC confirms the availability of audited financial statements on the university's website.

There is no virtual book of complaints and suggestions on the university's website. Also, there are no personal pages of the teaching staff with the indication of the read disciplines in order to create conditions for the transparency of information regarding complaints for consumers.

Evaluation of satisfaction with information about the activities of the university, the specifics and progress of the implementation of the EP is conducted annually through questionnaires, interviews, feedback, and through the rector's blog. Questioning of students, conducted during the visit of the EEC IAAR, showed that satisfaction with the usefulness of the university's website and informing students about courses, EPs and academic degrees is 94.3%.

Strengths / best practice

- ✓ The University provides information on the possibility of assigning qualifications at the end of the EP.
- ✓ The University publishes its audited financial statements on its website.
- ✓ The university places information and links to external resources based on the results of external evaluation procedures.

Recommendations of EEC

1. To carry out work on updating and organization of regular regular regular updating of information on the university's website, in part of the implemented EP with indication of expected learning outcomes, as well as personalized information on TS.

Conclusions of the EEC on the criteria for EP 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization traffic, traffic and the operation of transport ": strong - 2, satisfactory - 9, requiring improvements - 2.

6.10. Standard "Standards in the section of individual specialties"

The Evidence

Development of educational programs 5B050600- "Economics", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport" is aimed at obtaining graduates of the necessary theoretical and practical training.

The current state of preparation within the framework of the EP is supported by educational and methodological materials, an annual update of the subject of the thesis, and the introduction of new elective disciplines, taking into account the recommendations of employers.

Students have access to all library resources, which are updated and replenished annually. The following program packages are used in the educational process for vocational education:

- Microsoft Office with all applications (Word, Excell, PowerPoint);
- Microsoft Project - project management;
- Any Logic - simulation environment;
- 1C - stock;
- 1c - accounting.

Monitoring the impact of introducing innovations in the learning process on the learning outcomes is carried out at different levels. At the departments - through the system of mutual attendance of training sessions, discussions at methodical seminars. At the university - through visits to master classes organized by institutes, upgrading the qualifications of the teaching staff at courses, trainings.

Guest lectures are periodically organized to improve the quality of the educational process for students.

In order to familiarize students with the professional environment and current issues in the field of specialization, as well as to acquire practical skills on the basis of theoretical training, the program of education provides for various types of practices: educational, industrial, pre-diploma. All types of practices are conducted in accordance with the standard curriculum, according to the academic calendar. Chairs concluded contracts for the conduct of professional practice, which defined the duties of the departments, the basic enterprise and students. The departments have developed methodological guidelines for the organization and conduct of practices, training programs. Students practice in accordance

with the order of the rector, which indicates the base of practice, the timing of its passage and the leaders of the practice from the school. At the end of the practice, students submit reports on the approved form.

For the purpose of employment and vocational guidance work, the alumni are supported by graduates who periodically hold roundtables, Open Doors and curatorial hours with undergraduate students.

Annually a fair of vacancies is held with the aim of establishing links with enterprises, identifying the staffing needs of domestic business, and employing university graduates in the best Kazakh companies. The event is attended by representatives of more than 40 companies, including Schlumberger, KazTransOil, Baitau Partners, Kazakhmys Corporation, Philip Morris Kazakhstan, Caspimunaigas, construction company Basis, Bureau Veritas Kazakhstan, Consulting Engineers, Borusan Makina Kazakhstan and etc.

Analytical part

Based on the results of the analysis, the members of the EEC came to the following conclusion.

Teaching on educational programs is conducted using modern pedagogical technologies. Teachers themselves use different teaching methods depending on discipline, topic. Conducting interviews with teaching staff, students and alumni, showed that case studies are often used in the educational process, however, unified requirements for their preparation have not been developed at the university.

During the interview it was found out that there is practically no connection between the departments and the TS with the enterprises. In this connection, in order to ensure a close connection with practice, it is necessary to develop the enterprise-based TS in-service training fellowships. We should also consider the possibility of opening branches of departments at various enterprises.

During the work of the EEC members, the practice bases of the KASE Stock Exchange, LLC "Almaty Dostyk Express" were visited. However, during the meeting and interviews with representatives of enterprises, it was found out that the students of this university had not yet been practiced there.

Strengths / best practice

- ✓ It is important to note the relevance of the personnel potential of the TS to the development strategy of the university and the specifics of the EP.
- ✓ The status of the university as a research orientates TSs to actively engage in research work.
- ✓ Targeted actions for the development of young teachers

Recommendations of EEC

1. To consider the possibility of opening branches of departments at enterprises.

Conclusions of the EEC on the criteria for EP 5B050600- "Economy", 5B050900- "Finance", 5B090900- "Logistics (by industries)", 5B090100- "Organization of transportation, movement and operation of transport": satisfactory - 6.

(VII) REVIEW OF STRONG SIDES / BEST PRACTICES

- KazNRTU named after K.I. Satpayev has the status of a research university, which confirms the interaction between teaching, research and training.
- The quality policy is transparent, accessible, published on the official website of the university.
- Positive indicators of academic achievement, student achievement and deductions.
- Regular measurement of the degree of satisfaction of the needs of the teaching staff, staff and trainees within the EP.
- Availability of educational resources and support systems for students.
- Facilitate the provision of all necessary information in the relevant fields of science.
- Models of specialists were developed for all accredited EP, describing the results of training and personal qualities.
- The procedures for developing the EP and their approval at the institutional level have been defined and documented.
- The Center for Professional Certification of Project Management functions at the University.
- The complexity of the EP is clearly defined in Kazakhstan credits and ECTS.
- The university provides regular review of the content and structure of the EP taking into account changes in the labor market, the requirements of employers and the social demand of the society.
- The university has developed a monitoring system for the implementation of the EP.
- The University has a good educational environment and support services, consistent with the objectives of educational programs.
- The University has shown attention to different groups of students and their needs.
- The University ensured the consistency, transparency and objectivity of the mechanism for evaluating learning outcomes for each EP. including an appeal.
- The university clearly worked out the policy of forming a contingent of students from admission to release, ensuring the transparency of its procedures.
- The university has special programs for adaptation and support for newly enrolled and foreign students.
- The University provides practice-based practices, facilitates the employment of graduates, and liaises with them.
- The University provides graduates with documents confirming the received qualification, including the results of training.
- The University has an objective and transparent personnel policy, including recruitment, professional growth and development of staff, which ensures the professional competence of the entire state.
- The University demonstrated the adequacy of the staff potential of the TS development strategy and the specifics of the EP.
- The management of the EP demonstrates the awareness of responsibility for their employees and the provision of favorable working conditions for them.
- The University provides targeted actions to develop young teachers.
- The University publishes on its website audited financial statements.
- The university places information and links to external resources on the results of external evaluation procedures.

(VIII) REVIEW OF RECOMMENDATION FOR IMPROVING QUALITY

1. Strengthen work on the formation and implementation of two-diploma education and academic mobility.
2. Increase the involvement of employers, trainees, TS, and other stakeholders in the content and development of the discussion.
3. Strengthen the analysis of risk management in the system of strategic management of the university.
4. On an ongoing basis, update the university's website with up-to-date information on university development and educational programs.
5. Continue to work in the field of providing the possibility of training students for professional certification in all the EP.
6. Strengthen the work on the development and implementation of joint educational programs with foreign educational organizations.
7. Activate the work on. update educational programs, with the publication of all the changes made on the site of the university, with the involvement of all interested persons.
8. Continue to develop our own TS research in the field of methods of teaching the academic disciplines. accredited EP in the context of student-centered learning
9. Expand the range of programs for internal and external academic mobility of students of the EP, to assist in obtaining external grants for training.
10. Intensify the activities of the Alumni Association of the University.
11. Strengthen the involvement of practitioners in relevant industries.
12. To stimulate the participation of teachers in academic mobility programs, joint research with foreign partners and international projects.
13. Continue work on the systematic replenishment of the library fund with professional literature in the context of accredited educational programs, including in English.
14. To carry out the work but update and organize regular updating of information on the University's website, in part of the implemented EP with indication of expected learning outcomes, as well as personalized information on TS.
15. To consider the possibility of opening branches of departments at enterprises.

**(IX) REVIEW OF THE RECOMMENDATION ON THE DEVELOPMENT OF
EDUCATIONAL INSTITUTION**

1. Develop a mechanism for introducing the results of scientific research into the educational process and their commercialization.

2. Consider the possibility of revising the norm of the time of pedagogical work in the part of the management of diploma projects up to 1 credit, 15 hours respectively. For today in the university this norm corresponds to 0,25 credits or 4 hours.



Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS"

№	№	Criteria for evaluation	Position of the educational institution			
			Strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard "Management of the educational program"						
1	1.	The institution should have a published quality policy.	+			
2	2.	The quality assurance policy should reflect the relationship between research, teaching and learning.	+			
3	3.	The university should demonstrate the development of a culture of quality assurance, including in the context of the EP.		+		
4	4.	Commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including realization of joint / two-degree education and academic mobility.			+	
5	5.	The management of the EP provides transparency in the development of an EP development plan based on an analysis of its functioning, the actual positioning of the institution and the focus of its activities on meeting the needs of the state, employers, stakeholders and trainees.		+		
6	6.	The management of the EP demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring of its implementation, assessing the achievement of the training objectives, meeting the needs of students, employers and society, and making decisions aimed at the continuous improvement of the EP.		+		
7	7.	The management of the EP should involve representatives of stakeholder groups, including employers, trainees and teaching staff, in forming an EP development plan.		+		
8	8.	The management of the EP should demonstrate the individuality and uniqueness of the development plan for the EP, its coherence with national development priorities and the development strategy of the education organization.		+		

9	9.	The university should demonstrate a clear definition of those responsible for business processes within the framework of the EP, unambiguous distribution of the duties of the staff, delineation of the functions of collegial bodies.		+		
10	10.	Transparency management program. EP should the system provide evidence management educational				
11	11.	The management should demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making on the basis of facts.		+		
12	12.	The management of the EP shall implement risk management.			+	
13	13.	The management of the EP should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial bodies of management of the educational program, as well as their representativeness in making decisions on the management of the educational program.		+		
14	14.	The university should demonstrate the management of innovation within the framework of the EP, including the analysis and implementation of innovative proposals.		+		
15	15.	The management of the EP should demonstrate evidence of Openness and accessibility for students, teachers, employers and Peer stakeholders.		+		
16	16.	The management of the EP must receive training in educational management programs.		+		
17	17.	The management of the EP should strive to ensure that the progress achieved since the last external quality assurance procedure is taken into account when preparing for the next procedure.		+		
Total by standard			2	13	2	0
Standard "Information Management and Reporting"						
18	1.	The university should ensure the functioning of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.		+		
19	2.	The EP management should demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
20	3.	Within the framework of the EP there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and effectiveness of the departments and departments, scientific research.		+		

21	4.	The institution should establish the periodicity, forms and methods of evaluating the management of the EP, the activities of collegial bodies and structural units, higher leadership, implementation of scientific projects.		+		
22	5.	The institution should demonstrate the definition of order and ensure the protection of information, including the definition responsible persons for reliability and timeliness analysis of information and provision of data.		+		
23	6.	An important factor is the involvement of students, employees and TEACHING STAFF in the processes of information collection and analysis, as well as decision-making on their basis.		+		
24	7.	The management should demonstrate the existence of a mechanism for communication with trainees, employees and Peer stakeholders, including the availability mechanisms for conflict resolution.		+		
25	8.	The institution should provide a measure of the degree of satisfaction of the needs of the teaching staff, staff and trainees within the EP and demonstrate proof of the elimination of discovered shortcomings.		+		
26	9.	The university should evaluate the effectiveness and effectiveness activities, including in the context of the EP.		+		
		The information collected and analyzed by the university should take into account:				
27	10.	key performance indicators;		+		
28	11.	dynamics of the contingent of students in the context of forms and species;		+		
29	12.	level of academic achievement, student achievement and deduction;	+			
30	13.	satisfaction of students with the implementation of the EP and the quality of education in the university;	+			
31	14.	accessibility of educational resources and support systems for students;	+			
32	15.	employment and promotion of graduates.		+		
33	16.	Trainees, employees and teaching staff must confirm documentary consent to the processing of personal data.		+		
34	17.	The management of the EP should facilitate the provision of all the necessary information in the relevant fields of science.	+			
Total by standard			4	13	0	0
Standard "Development and approval of educational programs"						

35	1.	The university should define and document the procedures for the development of the EP and their approval at the institutional level.		+		
36	2.	The management of the EP should ensure that the developed EP meets the set goals, including the expected learning outcomes.		+		
37	3.	The management should ensure that the developed models graduate of the EP, describing the results of training and personal qualities.	+			
38	4.	The management of the EP should demonstrate the conduct of external assessments of the EP.		+		
39	5.	The qualification obtained at the conclusion of the EP shall be clearly defined, clarified and consistent with a certain level of the NQS.		+		
40	6.	The management should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
41	7.	An important factor is the possibility of training students for professional certification.		+		
42	8.	The management of the EP should provide evidence of the participation of trainees, staff and Peer stakeholders in the development of the EP, ensuring their quality.		+		
43	9.	The complexity of EP should be clearly defined in Kazakhstan credits and ECTS.	+			
44	10.	The management should ensure the content of the training disciplines and learning outcomes of the level of study (bachelor's, master's, doctoral).		+		
45	11	In the structure of the EP, various activities corresponding to the learning outcomes should be envisaged.		+		
46	12	An important factor is the existence of joint EP with foreign educational organizations.			+	
Total by standard			2	9	1	0
Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	1.	The institution should monitor and periodically evaluate the EP in order to achieve the goal and meet the needs of students and society. The results of these processes are aimed at the continuous improvement of the EP.		+		
		Monitoring and periodic evaluation of EP should consider:				
48	2.	the content of the programs in the light of the latest achievements of science in a specific discipline to ensure the relevance of the discipline being taught;		+		
49	3.	changes in the needs of society and the professional environment;		+		

50	4.	load, academic performance and graduation;		+		
51	5.	the effectiveness of evaluation procedures for students;		+		
52	6.	expectations, needs and satisfaction of students learning by the EP;		+		
53	7.	educational environment and support services, and their compliance with the objectives of the EP.		+		
54	8.	The university and the management of the EP must provide evidence of the participation of trainees, employers and Peers stakeholders in the revision of the EP.		+		
55	9.	All interested persons should be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP shall be published.		+		
56	10	The management of the EP should ensure that the content and structure of the EP are reviewed, taking into account changes in the labor market, the requirements of employers and the social demand of the society.	+			
Total by standard			1	9	0	0
Standard "Student-centered teaching, teaching and evaluation of academic achievement"						
57	1.	The EP management should ensure respect and attention to different groups of learners and their needs, providing them with flexible learning paths.		+		
58	2.	EP Management should ensure that the various forms and methods of teaching and learning are used.		+		
59	3.	An important factor is the availability of our own research in the field of methods of teaching disciplines.		+		
60	4.	The EP management should demonstrate feedback systems on the use of different teaching methods and evaluation of learning outcomes.		+		
61	5.	The EP management should demonstrate support for the autonomy of trainees with simultaneous guidance and assistance from the teacher.		+		
62	6.	The management should demonstrate the existence of a procedure for responding to complaints from students.		+		
63	7.	The institution should ensure consistency, transparency and objectivity of the mechanism for evaluating learning outcomes for each EP, including an appeal.	+			
64	8.	The university should ensure that the procedures for assessing the learning outcomes of the students of the EP are consistent with the planned learning outcomes and program objectives. Criteria and methods of assessment within the framework of the EP should be published in advance.		+		

65	9.	The institution should identify the mechanisms for ensuring mastering by each graduate of the EP the learning outcomes and ensuring the completeness of their formation.		+		
66	10.	Evaluators should have modern methods for evaluating learning outcomes and regularly improve their qualifications in this field.		+		
Total by standard			1	9	0	0
Standard "Learners"						
67	1.	The university should demonstrate the policy of forming a contingent of students from admission to release and ensure the transparency of its procedures. Procedures regulating the life cycle of trainees (from admission to completion) should be identified, approved, published.	+			
68	2.	The EP management should demonstrate special adaptation and support programs for that arrived and foreign students.	+			
69	3.	The university should demonstrate the conformity of its actions to the Lisbon Recognition Convention.		+		
70	4.	The University should cooperate with Peer educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" ENIC / NARIC in order to ensure comparable recognition of qualifications.		+		
71	5.	The EP management should demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of trainees, and results of additional, formal and informal training.		+		
72	6.	The university should provide an Opportunity for external and internal mobility of trainees, and also assist them in obtaining external grants for training.			+	
73	7.	The management of the EP should make the maximum amount of efforts to provide practice-based practices, facilitate the employment of graduates, and maintain communication with them.	+			
74	8.	The institution should provide the graduates with documents confirming the received qualification, including the results of the training achieved, as well as the context, content and status of the education received and evidence of its completion.	+			
75	9.	An important factor is the monitoring of the employment and professional activities of the graduates of the EP.		+		
76	10.	The EP leadership should actively encourage students to self-education and development outside the main program (extracurricular activities).		+		

77	11.	An important factor is the existence of an active association / association of graduates.			+	
78	12.	An important factor is the availability of a support mechanism for gifted students.		+		
Total by standard			4	6	2	0
Standard "Teaching staff"						
79	1.	The university should have an objective and transparent personnel policy, which includes hiring, professional growth and development of personnel, which ensures the professional competence of the whole state.	+			
80	2.	The university should demonstrate the conformity of the personnel potential of the teaching staff with the development strategy of the university and the specifics of the EP.	+			
81	3.	The management of the EP should demonstrate awareness of responsibility for its employees and providing them with favorable working conditions.	+			
82	4.	The management of the EP should demonstrate the changing role of the teacher in connection with the transition to student-centered learning.		+		
83	5.	The university should determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the university, and Peer strategic documents.		+		
84	6.	The university should provide opportunities for career development and professional development of the EP teaching staff.		+		
85	7.	The management of the EP should involve practitioners in the relevant sectors in the teaching.			+	
86	8.	The management of the EP should provide targeted actions for the development of young teachers.	+			
87	9.	The university should demonstrate the motivation for the professional and personal development of the teachers of the EP, including the preemption of the integration of research and education, and the use of innovative teaching methods.		+		
88	10.	An important factor for teaching staff is the active use of information and communication technologies in the educational process (for example, on-line training, e-portfolios, MOOC, etc.).		+		
89	11.	An important factor is the development of academic mobility within the framework of the EP, attracting the best foreign and domestic teachers.			+	

90	12.	An important factor is the involvement of the teaching staff of the EP in the life of society (the role of teaching staff in the education system, the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).		+		
Total by standard						
Standard "Educational resources and student support systems"						
91	1.	The management should demonstrate the adequacy of the material and technical resources and infrastructure.			+	
92	2.	The EP management should demonstrate the existence of support procedures for different groups of learners, including information and counseling.		+		
		The management of the EP should demonstrate the correspondence of information resources to the specifics of the EP, including compliance:				
93	3.	technological support of students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
94	4.	library resources, including the fund of educational, methodological and scientific literature on general educational, basic and profiling disciplines on paper and electronic media, periodicals, access to scientific databases;	+			
95	5.	examination of the results of research, final works, dissertations on plagiarism;	+			
96	6.	functioning WI-FI in the territory of the organization of education.		+		
97	7.	The university should strive to ensure that the training equipment and software used to develop the EP are similar to those used in the relevant industries.		+		
98	8.	The institution must ensure that it meets safety requirements in the learning process.	+			
99	9.	The university should strive to take into account the needs of different groups studying in the context of the EP (adults, workers, foreign students, and also students with disabilities).		+		
Total by standard			3	5	1	0
Standard "Public Awareness"						

		The information published by the university within the framework of the EP should be accurate, objective, relevant and should include:				
10 0	1.	Implemented programs, indicating the expected learning outcomes;			+	
10 1	2.	information on the possibility of assigning qualifications at the end of the EP;	+			
10 2	3.	information on teaching, training, evaluation procedures;		+		
10 3	4.	information on passing scores and educational opportunities provided to students;		+		
10 4	5.	information on job opportunities for graduates.		+		
10 5	6.	The management should use a variety of ways to disseminate information (including media, web resources, information networks etc.) to inform the general public and interested parties.		+		
10 6	7.	Informing the public should provide support and explanation of national development programs of the country and the system of higher and postgraduate education.		+		
10 7	8.	The university should publish audited financial statements on its own web resource.	+			
10 8	9.	The university should demonstrate the reflection on the web resource of information characterizing the university in general and in the context of the EP.		+		
10 9	10.	An important factor is the availability of adequate and objective information about the EP teaching staff, in the context of personalities.			+	
11 0	11.	An important factor is informing the public about cooperation and interaction with partners within the framework of the EP, including with scientific / consulting organizations, business partners, social partners and educational organizations.		+		
11 1	12.	The university should post information and links to external resources based on the results of external evaluation procedures.		+		
11 2	13.	An important factor is the participation of the university and implemented EP in various external evaluation procedures.		+		
Total by standard			2	9	2	0
Standards in the context of individual specialties						

ECONOMICS AND SERVICES						
		Educational programs in the areas of "Economics" and "Services", for example such as "Organization of transport, traffic and operation of transport", "Economy", "Logistics" should meet the following requirements:				
11 3	1.	The management of the EP should demonstrate that the teaching within the program is conducted on the basis of modern achievements of world science and practice in the field of specialization, as well as using modern and advanced teaching methods;		+		
11 4	2.	The management should ensure that students have access to the most up-to-date and up-to-date data (statistics, news, scientific results) in the field of paper specialization (newspapers, statistical collections, textbooks) and electronic media;		+		
11 5	3.	The objectives, respectively, and the results of training should be aimed at obtaining specific skills for the trainees in demand on the labor market;		+		
11 6	4.	The EP management should demonstrate that the graduates of the program have these skills and that these skills are really in demand in the market;		+		
11 7	5.	The EP should include a significant number of disciplines and activities aimed at providing students with practical experience in applying theoretical knowledge, such as production practice, training in enterprises, participation in lectures and seminars of practicing specialists, etc.;		+		
11 8	6.	The management should demonstrate the analysis of the labor market and give examples of successful employment of graduates.		+		
Total by standard			0	6	0	0
TOTAL			23	85	10	0