



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
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
according to the assessment for compliance with the requirements of the
standards of specialized accreditation of educational
programs (re-accreditation)

6B07116"Automation and control",
6B06215"Radio Engineering, Electronics and Telecommunications"
National Educational Establishment "Kazakhstan University of
Innovative and Telecommunication Systems"

in the period from 22 to 24 May 2023

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

*Addressed to
Accreditation
Council of the IAAR*



REPORT

**on the results of the work of the external expert commission
according to the assessment for compliance with the requirements of the standards of
specialized accreditation of educational programs (re-accreditation)
*6B07116''Automation and control'',
6B06215''Radio Engineering, Electronics and Telecommunications''*
National Educational Establishment "Kazakhstan University of Innovative and
Telecommunication Systems"**

in the period from 22 to 24 May 2023

Uralsk, 2023

CONTENT

| | |
|--|----|
| (I) LIST OF SYMBOLS AND ABBREVIATIONS..... | 3 |
| (II) INTRODUCTION..... | 4 |
| (III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION..... | 5 |
| (IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE..... | 7 |
| (V) DESCRIPTION OF THE EEC VISIT | 14 |
| (VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS | 15 |
| 6.1 Standard "Management of the educational program" | 15 |
| 6.2 Information management and reporting standard | 19 |
| 6.3 Standard "Development and approval of the educational program"..... | 22 |
| 6.4 Standard "Continuous monitoring and periodic evaluation of educational programs" | 25 |
| 6.5 Student-Centered Learning, Teaching and Assessment Standard..... | 30 |
| 6.6 Standard "Students"..... | 30 |
| 6.7 Standard "Teaching Staff" | 33 |
| 6.8 Standard "Educational resources and student support systems" | 35 |
| 6.9 Public information standard..... | 38 |
| (VII) OVERVIEW OF STRENGTHS/BEST PRACTICE FOR EACH STANDARD | 41 |
| (VIII) OVERVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY FOR EACH STANDARD..... | 42 |
| (IX) OVERVIEW OF THE RECOMMENDATION FOR THE DEVELOPMENT OF EDUCATIONAL ORGANIZATION | 43 |
| (X) RECOMMENDATIONS TO THE ACCREDITATION BOARD | 44 |
| Appendix 1. Evaluation table SPECIALIZED PROFILE PARAMETERS | 44 |
| Annex 2. PROGRAM OF THE VISIT TO THE EDUCATIONAL INSTITUTION..... | 53 |
| Annex 3. RESULTS OF THE PPP QUESTIONNAIRE | 61 |
| Annex 4. RESULTS OF STUDENT QUESTIONNAIRE..... | 67 |

(I) LIST OF SYMBOLS AND ABBREVIATIONS

| | |
|----------------|---|
| AIS | Automated information system |
| EEC | External expert commission |
| WKR | West-Kazakhstan region |
| IC | Individual curriculum |
| KazUITS | Kazakhstan University of Innovation and Telecommunication Systems |
| CCES | Committee for Control in Education and Science |
| CED | Catalog of elective disciplines |
| MEP | Modular educational program |
| IAAR | Independent agency of accreditation and rating |
| RW | Research work |
| SRW | Student research work |
| NSEI | Non-state educational institution |
| EP | Educational program |
| TS | Teaching staff |
| WC | Working Curriculum |
| MM | Mass media |
| LLP | Limited Liability Partnership |
| EMC | Educational and Methodological Council |
| EMCD | Educational-methodical complex of the discipline |
| EMCS | Educational and methodological complex of specialties |



(II) INTRODUCTION

In accordance with Order No. 98-23-OD dated March 27, 2023 of the Director General of the Independent Agency for Accreditation and Rating, from May 22 to May 24, 2023, an external expert commission assessed the compliance of educational programs 6B07116 "Automation and Control", 6B06215 "Radio Engineering, Electronics and telecommunications" (Uralsk) to the standards of specialized accreditation of the educational program for the organization of higher and postgraduate education of the IAAR (No. 57-20-OD of June 16, 2020, sixth edition).

The report of the external expert commission (EEC) contains an assessment of the submitted educational programs against the criteria of IAAR standards, recommendations of the EEC for further improvement of educational programs and parameters of the profile of educational programs.

The composition of the EEC:

Chairman of the EEC – Aldungarova Aliya Kairatovna, PhD, Associate Professor, East Kazakhstan Technical University. D. Serikabaeva (Ust-Kamenogorsk, Republic of Kazakhstan);

Foreign expert IAAR– Fartunova Maria Atanasova, Associate Professor, Doctor, Mining and Geological University. St. John of Rilski (Sofia, Bulgaria);

IAAR expert– Zhumazhanov Serik Karataevich, Candidate of Technical Sciences, Kazakh Agrotechnological University named after S.Seifullin (Astana, Republic of Kazakhstan);

IAAR expert– Khamraev Sheripidin Itakhunovich, Candidate of Technical Sciences, Associate Professor, Kazakh National Pedagogical University. Abai (Almaty, Republic of Kazakhstan);

IAAR expert – Zeinullina Aigul Zhumagalievna, Candidate of Economic Sciences, Associate Professor, Shakarim University (Semey, Republic of Kazakhstan);

IAAR Expert – Tusaeva Aliya Kuanyshevna, Candidate of Economic Sciences, Associate Professor, Head of the Department of Business Administration, Turan University (Almaty, Republic of Kazakhstan);

IAAR expert– Tatarinov Danila Vladimirovich, candidate of legal sciences, Kazakh National University named after. al-Farabi (Almaty, Republic of Kazakhstan);

Employer– Sarsimbekov Berik Kudaibergenovich, International Mediation Center (Astana, Republic of Kazakhstan);

Student IAAR– Tynymbaeva Aruzhan Muratkyzy, 2nd year undergraduate student of the EP “Translation Studies”, Eurasian National University named after. L.N. Gumilev (Astana, Republic of Kazakhstan);

Student IAAR– Seilbekov Zhandos, 4th year student of the EP “Computer Engineering and Software”, Humanitarian and Technical Academy (Kokshetau, Republic of Kazakhstan);

IAAR student– Sisenova Tolganai, 1st year undergraduate student of the program “Management”, Turan University (Almaty, Republic of Kazakhstan);

Student IAAR– Akhmetova Asylzhan, 2nd year undergraduate, Eurasian National University. L. N. Gumilyova (Astana, Republic of Kazakhstan);

Student IAAR– Zhakenova Rabiga, 2nd year undergraduate, Kazakh National Pedagogical University named after Abai (Almaty, Republic of Kazakhstan);

IAAR Coordinator– Bekenova Dinara Kairbekovna, project manager for accreditation of technical and vocational education organizations of the Independent Agency for Accreditation and Rating (Astana, Republic of Kazakhstan).

(III) REPRESENTATION OF EDUCATIONAL ORGANIZATION

The non-state educational institution "Kazakhstan University of Innovative and Telecommunication Systems" has been carrying out educational activities as an independent higher educational institution since September 2015 on the basis of state license No. KZ33LAA00005815, issued on September 29, 2015 by the CCES of the Ministry of Education and Science of the Republic of Kazakhstan.

In general, the university has a 20-year history of educational activities and was one of the first private universities in the western region: a branch of the Kazakhstan Institute of Information Technologies and Management (Almaty) (1998); Institute of Innovative and Telecommunication Systems (2005); West Kazakhstan Engineering and Humanities University (2008) formed by merging 5 private universities in Uralsk.

The choice of strategic directions for the development of the University until 2025 is determined by its mission, vision and development priorities outlined in the Strategic Development Plan of the NSI "Kazakhstan University of Innovative and Telecommunication Systems" for 2022-2025.

Mission of the University-training of competitive personnel in order to ensure industrial-innovative and sustainable development of the region and the country, contributing to the formation of an intellectual nation.

Vision of the University consists in the educational activities of the university, aimed at the close integration of education, science and production, ensuring the high quality of educational and professional training of graduates, as well as the development of the national innovation system.

University ranking, accreditation. According to the results of the national rating of the Independent Agency for Accreditation and Rating, it entered the TOP-20 best universities in Kazakhstan in 2020 (12th place), according to the results of the National ranking of the demand for universities, it entered the TOP-20 best universities in Kazakhstan in 2019. According to the results of the ranking of educational programs of universities, conducted by the NCE RK "Atameken", the Kazakhstan University of Innovative and Telecommunication Systems took 1st place in 6B06215 "Radio Engineering, Electronics and Telecommunications" (2021).

The structure of the university. According to the website of the university, the structure of the university includes: 6 departments: the department of "Technical disciplines", the department of "General technical disciplines", the department of "Economics and Management", the department of "Ecology and Life Safety", the department of "Jurisprudence", the department of "Rukhani zhangyru" (<https://kazuits.edu.kz/ru/1036>), specialized educational laboratories and classrooms.

Brief description of the accredited EP 1 cluster.

Educational programs of the 1st cluster go through the procedure of specialized re-accreditation.

Training of specialists in educational programs 6B07116 "Automation and Control", 6B062015 Radio Engineering, Electronics and Telecommunications" is carried out in accordance with license No. KZ33LAA00005815 issued on September 29, 2015, the State Compulsory Standard of Education at all levels of education (Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604. Registered with the Ministry of Justice of the Republic of Kazakhstan on November 1, 2018 No. 17669).

Training of bachelors of the cluster of educational programs 6B07116 "Automation and Control", 6B062015 Radio Engineering, Electronics and Telecommunications" is carried out by the Department of "Technical Disciplines" of the National Educational Institution "KazUITS" on credit technology.

The purpose of the educational program 6B07116 "Automation and Control" is the formation of an effective educational program with the creation of high-quality learning

conditions for students, ensuring the receipt of a full-fledged and high-quality professional education in the field of automation, informatization and control in technological processes associated with the use of means and methods of automated regulation for control in all areas of production.

The purpose of the educational program 6B06215 "Radio Engineering, Electronics and Telecommunications" is the formation and development of students' qualities, professional competencies in the field of science and technology, which includes a set of technologies, means, methods and methods of human activity aimed at creating conditions for the exchange of information at a distance, transformation of information by electronic means. Also, the training of graduates with a set of theoretical and practical skills established by the educational program of the direction of radio engineering, electronics and telecommunications, capable of adapting to the changing requirements of the labor market and technology.



(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Educational programs 6B07116 "Automation and Control", 6B06215 "Radio Engineering, Electronics and Telecommunications" are being re-accredited by the IAAR.

From May 17 to May 19, 2018, an external expert commission assessed the conformity of educational programs "6B06215 - Radio Engineering, Electronics and Telecommunications", "6B07116 - Automation and Control", 6B06114 - Computer hardware and software", "6B06113 - Information systems", "6M06130 - Information systems" to the standards of specialized IAAR accreditation.

During the visit, the experts analyzed the recommendations implemented by the university. There are recommendations both fully implemented and partially implemented.

Recommendations of the previous EEC to the university and their implementation in the framework of the previous accreditation program:

1. Standard "Management of the educational program"

1.1 EEC recommendations: to systematize the format of strategic planning at the university, providing for the possibility of cascading strategic performance indicators in the context of areas, structural units, employees and teaching staff.

For accredited educational programs, an analysis and comparison of strategic planning is carried out. A confirmation is the increase in the material and technical base, which is noticeable in the invoices and the accounting report on the purchased equipment and new laboratories. A 6-storey new building, sports grounds and halls were put into operation. Annex 1. Act of the acceptance commission on the acceptance of the constructed facility for operation No. 333.

One of the directions of the strategic plan was international cooperation. In 2021, a cooperation agreement was signed with the Lublin Technical University (Poland). Annex 2. Memorandum of Understanding.

Work continues to support students from socially vulnerable segments of the population (Appendix 3. On the appointment of grant holders from the founders).

The degree of implementation is 90%.

1.2 EEC recommendations: to update the Strategic Development Plan in the context of the Digital Kazakhstan Program.

The university is implementing the project "Virtual Educational Environment: Smart Workplaces for Faculty" under the guidance of PhD Kamieva Almagul Akbulatovna. Within the framework of this project, a center for digitalization and commercialization of scientific and technical projects, a situational-analytical, co-working center, a center for robotics and neurointerface technologies were opened. Appendix 4. Virtual Learning Environment: Smart Workplaces for Faculty and Staff.

The degree of implementation is 85%.

1.3 EEC recommendations: to ensure systematic integration into university management of the results of the project "Virtual educational environment of the university: smart workplaces for faculty (on the example of KAZUITS)"

In accordance with international requirements for the quality of education, a grant was won by the Science Foundation of the Republic of Kazakhstan "Virtual educational environment of the university: smart jobs for faculty" in the amount of 227 million tenge, the purpose of which is to commercialize technologies for modernizing the information and educational environment of the university.

At present, the project "Virtual educational environment of the university: smart workplaces for faculty" has been completed. The goal of the project is as follows:

- creation of adapted software that allows launching a multifunctional smart university system, which includes innovative technologies, information resources and means of electronic communication;
- holding online seminars, orientation and working meetings, master classes for teachers and students;
- creation and use of a complex automated library and information system;
- creating your own electronic journal;
- training of personnel with knowledge in the field of workplace automation, robotics, 3D design and 3D printing.

The report and its appendices do not provide supporting documents on the integration of the results obtained into the management of the university.

The degree of implementation is 70%.

1.5 Recommendations of the EEC: to systematize the risk assessment of the development of educational programs and develop a mechanism for their reduction, including such factors as the development and improvement of the EP, risk management, monitoring, decision-making based on facts.

According to this recommendation, mechanisms for identifying and managing risks for EP were not identified. As risks, the issue of staffing the EP and their degree of involvement in the implementation of research is considered.

The degree of implementation is 50%.

1.6 Recommendations of the EEC: create a plan to involve well-known scientists, public and political figures, and practitioners in the implementation of the EP.

The first post-monitoring showed the degree of implementation of this recommendation at the level of 80%. On the basis of the drawn up plan for the discussion of the EP there were practitioners. Educational programs received the opinion of specialized experts in 2021, such as TORUS LLP, the leading IT software development company in the region, Jusan Mobile JSC (formerly KazTranscom JSC), a leading telecom operator providing a wide range of services in areas of telecommunications and information technologies. In these enterprises, students undergo internships. The heads of these EPs are part of the EMS REMS.

The degree of implementation is 90%.

1.7 EEC recommendations: to continue training programs for the management of the EP, including heads of departments and heads of the EP, in education management

At the time of the second stage of post-monitoring, six certificates were provided on completion of advanced training in education management or a training program for the management of the EP.

The degree of implementation is 90%.

2. Standard "Information Management and Reporting"

2.1 Recommendation of the EEC: to systematize the work on the analysis of information and develop a mechanism to identify and predict the risks of the implementation and development of the EP

Members of the commission note that the university is constantly ensuring the quality of improving the provision system. However, at the level of the EP, mechanisms have not been identified and developed to identify and predict the risks of the implementation and development of the EP. It is necessary to develop a risk assessment mechanism, as well as alternative ways to address them.

The degree of implementation - 60%.

2.2 Recommendation of the EEC: ensure the regularity of documentary evidence for the processing of personal data of teaching staff.

Questionnaires are conducted annually: “Teacher through the eyes of students”, “Student satisfaction with the quality of education”, “Evaluation of the quality of the educational program by graduates”, etc. in order to study the quality of the services provided. However, the mechanism for analyzing the obtained data is not clear. How is a comprehensive assessment of the activities of teaching staff.

The Board notes that this recommendation has not been fully developed. The persons responsible for ensuring the protection of information, the reliability and timeliness of the data provided have not been identified. Supporting documents were not provided on the regularity of documentary evidence for the processing of personal data of teaching staff. The implementation of this recommendation remains at the level of the first monitoring.

The degree of implementation is 40%.

2.3 Recommendation of the EEC: to continue work on the involvement of students and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them

Statistical data and information analysis materials obtained as a result of the collection are the basis for ensuring the quality of management of the EP implementation process, improving the mechanisms for ensuring access to educational resources to all interested parties and the effectiveness of organizing feedback.

Feedback forms in the information management system are: virtual selection committee (<https://kazuits.edu.kz/ru/1266/priemnaya-komissiya-2019>), rector's blog (<http://kazuits.edu.kz/ru/blog-rektora236>), pages in social networks. (<https://www.instagram.com/kaziitu.life/>)

However, the mechanism for processing the received information, as well as the ways of making a decision based on the results of the survey, are not given. Leaders of the educational program need to work on this moment.

The degree of implementation - 60%.

2.4 Recommendation of the EEC: to supplement information about the teaching staff on the university website

The official website of the university is supplemented with information about teaching staff. The position, academic degree, as well as a list of his educational and scientific publications are reflected. However, the commission notes the fact that the site displays information only in the state and Russian languages, and is absent in English.

The degree of implementation is 70%.

3 Standard "Development of the approval of the educational program"

3.1 EEC recommendations: to work on opening a two-degree education.

Memorandums have been concluded with the Lublin Technical University and the Samara University of Railways and Communications, within the framework of which the opening and implementation of double-diploma EPs is envisaged. Recommendations under implementation.

The degree of implementation - 60%.

3.2 Recommendations of the EEC: to carry out the work of preparing students for professional certification, including as software users.

Professional certification is a confirmation by an independent party that all the learning outcomes that a person has acquired in any way have been assessed and meet the requirements of professional standards.

The teaching staff, together with employers, developed and successfully implemented extended training programs, which, in addition to basic training, include professional

certification of graduates through their participation in various additional courses organized by the TD department. However, among the provided list there are no certificates specifically in the direction of professional certification. The degree of implementation of this recommendation remains at the level of the first post-monitoring.

The degree of implementation is 50%.

3.3 EEC recommendations: continue cooperation with domestic and foreign universities implementing similar educational programs and improve the processes for measuring and analyzing the results of the EP implementation

The process of cooperation with domestic and foreign universities has been implemented, however, the recommendations of the EEC stipulated precisely similar educational programs and the improvement of the processes for measuring and analyzing the results of the implementation of the EP, which unfortunately remains at the finalization stage, i.e. execution at the level of the first post-monitoring.

The degree of implementation is 80%.

3.4 EEC recommendations: analyze the content of CEDs and provide for the possibility of expanding the educational trajectories of students.

The report says that the CED for the master's program has been updated, but the information provided in the application does not make it possible to analyze the changes made, as well as to sink new learning paths.

The degree of implementation is 50%.

5 Standard "Student-centered learning teaching and assessment"

5.1 Recommendations of the EEC: to continue the development of scientific research and the dissemination of their own research in the field of teaching methods for the academic disciplines of the EP.

The report provides information that at the meeting of the department decisions were made that according to educational programs it is necessary to apply the teaching methods of case technology, the method of projects. However, the recommendations of the EEC refer to the results of their own research in the field of methods of teaching academic disciplines. Information about such studies conducted at the university is not reflected in the report and its appendices.

The degree of implementation is 50%.

5.2 Recommendations of the EEC: to update the filling of the AIS "Platonus" with educational and methodological documentation in the context of the disciplines of the EP, including structured information (presentation materials, video materials, lecture notes, scientific papers of the teaching staff, relevant educational literature, etc.).

The report provides a descriptive description of the functionality of the AIS "Platonus". The remark made by the expert group of the first post-monitoring, i.e. to strengthen control by the educational and methodological section of the department for the timely filling of the AIS "Platonus" with educational and methodological documentation in the context of the disciplines of the EP remains in force. It is necessary to develop recommendations on the structuring and placement of educational and methodological documentation of the educational process for teaching staff. Develop maps of the provision of EMW in order to control the relevance of educational and methodological literature.

The degree of implementation is 40%.

5.3 EEC recommendations: to diversify the forms of control of students in order to provide a mechanism for an objective assessment of learning outcomes

There is no information on new forms of student knowledge control introduced after the first post-monitoring. In this regard, the degree of implementation of this recommendation remains the same.

The degree of implementation - 60%.

6 Standard "Students"

6.1 Recommendations of the EEC: ensure the participation of students in the process of forming CED and EP.

This remark has not been worked out to the end, so the participation of students in the process of forming the CED and EP is not recorded in any way and is not reflected in the documentation. It is necessary to consider the participation of students in the discussion sessions of the EP.

The degree of implementation is 50%.

6.2 EEC recommendations: attract university graduates and increase its role in decision-making on accredited educational programs

When drawing up the development plan for the EP, the opinions of stakeholders, including university graduates, were taken into account. Graduates took part together with students in the International Investment Forum WestKazInvest-2020, where the university made a presentation of investment projects. We held a round table with the participation of graduates "Interdisciplinary interactions, cross-platform frameworks, artificial intelligence, working with big data and robotics as modern trends in IT technologies" on November 9, 2020, where they discussed the improvement of the educational program. The activities carried out were reviewed at a meeting of the Department of Technical Disciplines and recorded.

The degree of implementation is 80%.

6.3 Recommendations of the EEC to consider opportunities for a variety of forms for the exchange and expression of opinions, learning through Internet communication.

The University creates on its official websites web pages on the organization of educational work with the placement of the approved work regulations for all participants in the educational process and scheduling, as well as various active Internet links on thematic areas of youth education. Youth organizations of the university post on the website of the university comprehensive information about the activities of the organization (program of the organization, contact information, etc.) student self-government"), taking into account the conditions of remote work for the 1st half of the 2020-2021 academic year. Feedback between participants in the educational process is provided through telephone consultations, instant messengers,

The degree of implementation is 80%.

7 Standard "Teaching Staff"

7.1 Recommendations of the EEC: to systematize work to ensure the motivation of teaching staff to use innovative methods and information and communication technologies in the educational process.

There is practically no information on the implementation of this recommendation in the report of the second stage. In this regard, I give the conclusion of the first stage of monitoring and the degree of implementation remains the same: The work to ensure the motivation of teaching staff to use innovative methods and information and communication technologies in the educational process has been systematized: the issue of motivating the activities of teaching staff to use innovative methods and information and communication technologies in the educational process has been considered process in the regulation on the academic policy of the university. However, all of the above is not reflected in the implementation of the EP, but only in the Regulations of the University. Confirming protocols or recording of video lessons were requested, but, unfortunately, the material was never received.

The degree of implementation is 70%.

8 Standard "Educational resources and student support systems"

8.1 Recommendations of the EEC to complete the implementation of the AIS "Platonus" and fill it with educational and methodological documentation in the context of the disciplines of the EP, including structured information (presentation materials, video materials, lecture notes, scientific papers of the teaching staff, relevant educational literature, etc.)

This recommendation is repeated (see 5.2, p. 7).

The degree of implementation is 40%.

9 Public information standard

9.1 Recommendations of the EEC: update information about the activities of the university on the university website, incl. and about the results of the procedures for external evaluation of educational programs

There is no information on the results of the external evaluation of educational programs on the site (there is only general information about the EP), the link attached in the Self-Report leads to the page of the department. This text is taken from the self-report of the second stage of post-monitoring, i.e. the leaders of the EP themselves declare that the recommendation is being implemented at an insufficient level.

The degree of implementation is 50%.

9.2 EEC recommendations: supplement the presentation of objective information about teaching staff.

There is practically no information in the report and its appendices that would reflect the implementation of this recommendation. Therefore, the level of implementation remains as in the first stage of monitoring.

The degree of implementation is 50%.

10 Standards in the context of individual specialties

10.1 Recommendations of the EEC: to continue the activities of the scientific, scientific and methodological seminar on the use of IT in the educational process.

A seminar was held with the participation of students and undergraduates on the topic: "Information technology: problems and prospects." However, there is no information about the results of this workshop. For example, a resolution, what were the recommendations for implementation in the educational process, etc.

The degree of implementation is 70%.

The university needs to pay attention to the implementation of such recommendations as:

- *“Systematize the risk assessment of the development of educational programs and develop a mechanism for their reduction, including such factors as the development and improvement of educational programs, risk management, monitoring, decision-making based on facts”;*
- *“Ensure the regularity of documentary evidence for the processing of personal data of teaching staff”;*
- *“To update the filling of the AIS “Platonus” with educational and methodological documentation in the context of the disciplines of the EP, including structured information (presentation materials, video materials, lecture notes, scientific papers of teaching staff, relevant educational literature, etc.)”;*
- *“Ensure the participation of students in the process of formation of CED and EP”;*
- *“Analyze the content of CEDs and provide for the possibility of expanding the educational trajectories of students”;*

- *“Continue the development of scientific research and the dissemination of our own research in the field of teaching methods for the academic disciplines of the EP”;*
- *“To update information about the activities of the university on the university website, incl. and on the results of the procedures for external evaluation of educational programs”.*



(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission for specialized accreditation of educational programs in NSEI "KazUITS" in the period from May 22 to May 24, 2023.

In order to coordinate the work of the EEC, on May 21, 2023, a kick-off meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, the content of self-assessment reports was clarified with the Rector, vice-rectors for areas of activity, heads of structural divisions, heads of departments, heads of educational programs, members of academic committees, teachers, students, graduates. A total of 159 representatives took part in the meetings (Table 1).

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

| Participant category | quantity |
|--|-----------------|
| Rector | 1 |
| Vice-rectors for areas of activity | 3 |
| Heads of structural divisions | 13 |
| Heads of departments, heads of educational programs, members of the academic committee | 20 |
| teachers | 31 |
| students | 41 |
| Graduates | 31 |
| Employers, representatives from practice bases | 19 |
| Total | 159 |

During the excursion, the members of the EEC got acquainted with the state of the material and technical base of the university, the classrooms were viewed for lectures, practical and laboratory work on the profile of the accredited EP 1 of the cluster, the places of functioning of support services for the educational, scientific, social and educational process.

At the meeting of the EEC IAAR with the target groups of the university, the mechanisms for implementing the policy of the university were clarified and certain data presented in the self-assessment report of the university were specified.

At the time of accreditation, the attendance did not take place, as the educational process was completed.

EEC experts reviewed the practice bases of IT Group Kazakhstan LLP, CSI Employment Center of Uralsk, the Uralsk City Court, and also asked questions to the heads of organizations: the Department of Ecology for the WKR, the Association of Environmental Organizations of the WKR, the National Center for Expertise and Certification, RPG " KazStandard, Specialized Fire Department of Uralsk, Police Department of the WKR, Administrator of the Courts for the WKR, Department for the Penitentiary System of the WKR, Office of the Prosecutor for the WKR, TORUS.KZ LLP, Jusan Mobile JSC, Uralsk Signaling Distance JSC and Communications, StroyGazProm LLP, NBA telekom LLP, IT Group Kazakhstan LLP, Ural Transformer Plant LLP.

In accordance with the accreditation procedure, an online survey of 19 teachers and 57 students was conducted.

In order to confirm the information presented in the Self-Assessment Report, the working documentation of the university was requested and analyzed by external experts. Along with this, the experts studied the Internet positioning of the university through the official website of the university. (<http://kazuits.edu.kz/>).

As part of the planned program, recommendations for improving accredited educational programs of the NSEI “Kazakhstan University of Innovative and Telecommunication Systems, developed by the EEC based on the results of the examination, were presented at a meeting with the management on May 24, 2022.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1 Standard "Management of the educational program"

The university must demonstrate the development of the goal and development strategy of the EP based on the analysis of external and internal factors with the wide involvement of various stakeholders

The quality assurance policy should reflect the relationship between research, teaching and learning

The university demonstrates the development of a culture of quality assurance

Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility

The management of the EP ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students

The EP management demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP

The EP management should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan

The EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national development priorities and the development strategy of the educational organization

The university must demonstrate a clear definition of those responsible for business processes within the framework of the EP, the distribution of staff duties, and the delimitation of the functions of collegial bodies

The management of the EP ensures the coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, and also involves all interested parties in this process

The EP management must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions

The management of the EP should carry out risk management

Management The EP should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program

The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals

The management of the EP must demonstrate its openness and accessibility for students of teaching staff, employers and other interested parties

The management of the EP confirms the completion of training in education management programs

The management EP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure.

Evidence

The vision of the university is connected with the close integration of education, science and production, which ensures the high quality of educational and professional training of graduates, as well as the development of higher and postgraduate education.

The content of the EP was developed in accordance with the State Educational Standards of the Republic of Kazakhstan, complies with the National Qualifications Framework, the sectoral qualifications framework and agreed with the Dublin descriptors, agreed with social partners, the EP was assessed by experts from the Ministry of Education and Science. Every year, the list and content of educational programs is updated based on the results of monitoring the quality of education, recommendations on the results of employment.

A plan has been drawn up to involve well-known scientists, public and political figures, and practitioners in the implementation of the EP for the period 2022-2025.

Together with leading specialists and teachers of the department "Technical Disciplines", employers took an active part in the discussion, improvement and approval of the EP. The cooperation was aimed at restructuring graduates for work in a wide variety of areas in the direction of training specialists.

The department has a Plan for the Development of Educational Programs 6B07116 "Automation and Control", 6B062015 "Radio Engineering, Electronics and Telecommunications". The EP development plan is a document that defines the strategy and tactics of improvement based on the systematic, purposeful and effective implementation of the intended goals of the EP. Collected feedback on the EP from the main employers: LLP Transformer Plant, CASPIANSAFETY LLP, Tehavangard LLP, ZapadSpetsTorg LLP, NK JSC, KTZh - Aktobe Branch of the Backbone Network, Batys Spetsavtomatika LLP, MBAServiskz LLP, Vetlife LLP ", JSC "Jusan Mobile", LLP "ProektInvestStroy", JSC "Transtelecom", JSC "Kazteleradio", JSC RTRC "Kazakhstan".

The quality assessment of the implementation of the EP development plan is carried out on the basis of semi-annual and annual reports of the teaching staff, the activities of the department in the main areas: educational, educational and methodological, scientific, educational.

Control over the implementation of the mission, goals and objectives of the EP according to the development plan is carried out at several managerial levels - by the head of the department, heads of structural divisions, vice-rectors in the direction of activity, the rector of the university.

Monitoring the effectiveness of the quality assurance system is carried out through internal audits, examination of methodological support, evaluation of activities and consideration of issues at meetings of collegiate management bodies - meetings of the department, scientific and methodological and educational sections of the department, the Academic Council of the university. Based on the results, the effectiveness and efficiency of the fulfillment of goals and objectives are determined, deviations from the set goals are identified. Corrective action plans are developed where necessary.

An internal audit is carried out related to the planning, organization, monitoring and development of the quality of the EP development plan. Based on the results of the audit, corrective actions are planned and carried out.

To assess the quality, conditions and resources for the provision of educational services, surveys of employers, graduates, students, teaching staff are conducted.

The interaction between teaching, research and learning is one of the main principles of KazUITS activity and is reflected in regulation on quality policy of the National Educational Establishment "Kazakhstan University of Innovative and Telecommunication Systems", which is part of the Academic policy of the university.

The quality policy of KazUITS may be reviewed, revised, if necessary, and posted on the

website, which is a guarantee of accessibility, openness, transparency not only to employees and students, but also to employers and other interested parties.

The process of quality management of education is cyclical in nature, providing quality improvement after each of the cycles.

The education quality assurance system makes it possible to ensure the participation of all interested parties in the educational process: students who receive knowledge; teachers providing educational services; employers who are representatives of the labor market for whom training is provided.

The teaching staff is engaged in research work. Lecturers of the Department of "Technical Disciplines" MD Zhamangarin D.S., PhD Smailova N.K. are the executors of the Mobile Intelligent Road Sign project. Received a patent from the director of the Republican State Enterprise "National Institute of Intellectual Property".

To improve the quality of educational services and attract employers at the department of "Technical Disciplines", branches of the department are organized and operate: EP 6V07116 "Automation and Control" Head of the Sales Department of the branch of LLP "Ural Transformer Plant", Senior Lecturer in combination Ryskalieva Zh.T.

Efforts are being made to organize cooperation with scientific and educational organizations implementing similar educational programs. Cooperation agreements were signed with the Private Educational Institution of Higher Education "Kama Institute of Humanitarian and Engineering Technologies", NSI "West Kazakhstan Agrarian Technical University named after Zhangir Khan, Uralsk, Educational private institution of higher education "Almetyevsk State Oil Institute", Aktobe University named after S. Baishev, Kazakh University of Communications, JSC "Kazakh University of Technology and Business", Kokshetau University named after Abai Myrzakhmetov", "International Taraz Innovation Institute", "Moscow International Academy".

Continuous practical training of students is carried out in the branches of the department. Cooperation with organizations allows to improve the level of education with the subsequent improvement of the quality of education and training of students. It is planned to introduce dual education in educational programs for the 2023-2024 academic year.

The structure of the educational program, educational and methodological complexes of the specialty and disciplines is being formed and improved at the university, taking into account the Dublin descriptors and the European Qualifications Framework, catalogs of elective disciplines, taking into account the proposals of employers, teaching staff of the department and students, the provision of the student with educational and methodological literature, material and technical and information resources, methods and forms of assessing students' knowledge and competencies.

At the end of the academic year, at a meeting of the department with the participation of all interested parties (teaching staff, employers, students), a self-assessment of the EP is carried out, taking into account the changes made, the results achieved, the effectiveness and efficiency of the EP implementation are discussed. The input data for self-assessment are reports of teaching staff, representatives of employers' organizations, analysis of disciplines chosen by students (CED). The results of self-assessment are reflected in the minutes of the meeting of the department.

KazUITS documents all the main business processes that regulate the implementation of the EP in the form of organization standards, methodological instructions and regulations.

The department has a person responsible for familiarization with new documents regulating the management processes of the EP. The job description of the head of the educational program, developed by the university, spells out the duties, rights and powers, responsibility of the head of the educational program.

When implementing accredited EP, leading specialists from production are involved in lecturing, conducting practical classes, managing practice, research work and design work.

The basic criterion that determines the effectiveness of the process of creating and using

innovations is the innovative potential of the EP, which characterizes the ability to implement innovation processes. One of the sides of the assessment of the innovative potential of the EP is the training of teaching staff in digital technologies.

The EP manual is available for interaction with students, teaching staff, employers through personal reception, e-mail, etc. Communication of participants in the educational process is built using personal messages, chats and forums.

The management of the EP, teachers of the department are systematically trained in education management programs that contribute to the development of professional and pedagogical qualities of workers in the field of higher education.

The university regularly analyzes the effectiveness of the departments in terms of optimizing the functional activities of employees and officials. An annual analysis of the effectiveness and efficiency of changes is carried out, criteria for the effectiveness of changes and mechanisms for monitoring the implemented changes in the EP are determined. The analysis of existing EPs in other universities is carried out with a frequency of 1 time per year, the requirements of the labor market are studied annually. After that, changes are made to the EP management process, a methodology for monitoring, analyzing the effectiveness and efficiency of EP changes is developed and applied.

Analytical part

Since the last accreditation by the university management and the head of the study program, a large and responsible work has been carried out to improve the quality of management of the study program and other processes.

Indeed, measures are being taken to form a connection between ongoing scientific research and the educational process. In cooperation with employers, teaching staff and students, discussions are held on the content of the EP. The implementation of the EP is monitored annually. But, at the same time, it should be noted that at the moment the management of the university and the leaders of the EP have not built a clear program for working with risks, this was also noted in the post-monitoring report. Unfortunately, in this issue there is no understanding of the importance of this issue and mechanisms that allow an objective assessment of possible unaccounted factors. Here it is necessary to pay attention to the form of the Plan for the development of educational programs, they are drawn up in a formal form, they do not correspond in content with the Development Strategy adopted in the organization of education. From the content of the current plan for the development of the EP, there is no understanding of how much it is performing quantitative assessments of activities. It was also not possible to get acquainted with the annual report of the department's activities.

Also, despite the significant results achieved since the first accreditation, sufficient attention has not been paid to innovation management, or they have been mastered without being consolidated in the form of clear instructions and a guide to action.

It is also necessary to answer that improvement measures are not carried out consistently; this will entail many problematic situations, both in economic and educational activities. Action is required on a detailed action plan.

Strengths / Best Practice:

- absent.

EEC recommendations for EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

- Revise the uniqueness and individuality of the EP development plan in strict accordance with national development priorities and the development strategy of the educational organization. The implementation period is until the end of 2023.

- Conduct a risk analysis and compile a list of the most likely in the implementation of the EP with the development of counter countermeasures. The implementation period is until the end

of 2023.

EEC conclusions:

According to the standard "Management of the educational program":

EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 15 satisfactory positions and 2 suggesting improvement.

6.2 Information management and reporting standard

The university must ensure the functioning of the system for collecting, analyzing and managing information based on modern information and communication technologies and software

The EP guidance demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system

The EP management demonstrates the presence of a reporting system that reflects the activities of all structural units and departments within the EP, including an assessment of their performance

The university must determine the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management

The university must demonstrate a mechanism for ensuring the protection of information, including determining the persons responsible for the reliability and timeliness of the analysis of information and the provision of data

The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them

The EP management must demonstrate the existence of communication mechanisms with students, employees and other stakeholders, including conflict resolution

The university must ensure the measurement of the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the EP and demonstrate evidence of eliminating the identified shortcomings

The university must evaluate the effectiveness and efficiency of activities, including in the context of EP

The information collected and analyzed by the university within the framework of the EP should take into account:

- key performance indicators*
- the dynamics of the contingent of students in the context of forms and types*
- level of academic achievement, student achievement and expulsion*
- satisfaction of students with the implementation of the EP and the quality of education at the university*
- availability of educational resources and support systems for students*
- employment and career growth of graduates*

Students, employees and teaching staff must document their consent to the processing of personal data

The management of the EP should contribute to providing all the necessary information in the relevant fields of science

Evidence

To automate the process of collecting and analyzing information, KazUITS has implemented and operates the following systems for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools: information management within the official website of the university

(<http://kazuits.edu.kz/>); management of educational and methodological information within the framework AIS "Platonus" (<https://platonus.nnsoft.kz/>) and e-learning portal <https://k-subject.nnsoft.kz/>

Data integration by means of AIS Platonus ensures the availability of educational resources and support systems for students, obtaining information intended for the operational and strategic management of the university.

In KazUITS introduced European approaches to ensure transparency and the format of information submission. The system of indicators and activities of the university is open to the public. Reports are considered at a meeting of the department. The structure and volume of information collected, sources, frequency, time interval, responsible persons for reliability and timeliness are determined in accordance with internal regulatory documentation (regulations, orders).

The quality of the implementation of the EP development plan is carried out on the basis of semi-annual and annual reports of the teaching staff, the activities of the department in the main areas: educational, educational and methodological, scientific, educational.

Monitoring of the plan for the development of educational programs is carried out through: collection of reports on the implementation of the operational plan for the development of the EP, annual reports of the department, monitoring the readiness of departments for the academic year, examination of the quality of the MEP, EMCS, EMCD, educational, methodological and logistical support of the EP, the readiness of the classroom and educational - laboratory base of the EP, etc.

The main processes of the university are educational (training), research, educational, i.e. all value-adding processes are mainly implemented directly at the department implementing the EP. The implementation of the main processes involves the development and implementation of educational and methodological documentation (MEP, WIP, ISP, etc.) in accordance with approved regulations and standards. Also, the main processes include the management of educational and research activities: licensing and accreditation, the development of curricula, the admission of applicants, the management of the educational process, the implementation of curricula (bachelor's and master's degrees), the educational process, research activities, the creation of conditions for the employment of graduates and etc.

The processes correspond to the basic requirements of the process approach and allow in the future to solve the issue of creating a unified mechanism for managing the educational and production activities of the university and making timely, objective management decisions that contribute to the development of the potential of the university, the department and in terms of the implementation of the EP.

An important issue is the security of information. Effective distribution of roles and functions in the used IS, the presence of anti-virus programs, system administration of servers, a backup system on servers; restriction of access of individuals to the premises with servers; technical equipment of rooms with servers ensures the safety of information. The procedure for processing personal data of students, employees and teaching staff is implemented by the Regulations on the protection of personal data of employees of the National Educational Institution "Kazakhstan University of Innovative and Telecommunication Systems".

The collection of the necessary information is carried out by submitting memos by structural divisions, interviewing, conducting a survey, information data from program resources, observation, experiment, analysis of documentation, interviewing, etc. Photographs, newspaper publications, editorial and publishing products are used as visual methods for collecting information materials. Teaching and teaching staff, employers are involved in the processes of collecting and analyzing information by questioning, interviewing and making decisions based on them at meetings of the departments, the Academic Council of KazUITS.

KazUITS has adopted an open door policy. The Department of Academic Affairs regularly conducts surveys to collect the wishes and suggestions of students; the rector regularly holds meetings with the students. According to the regulation of the Department for monitoring the

quality of education, at the end of each semester, a qualitative assessment of the collected data is carried out by the manager. The priority direction of KazUITS policy is focusing on consumers: identifying their requirements and assessing the degree of compliance with the established requirements.

The analysis of the information received in KazUITS is carried out taking into account the dynamics of the total number of students, reflected in tables 2-3, and tends to increase. When forming a contingent of students, the university is guided by the current regulatory framework, standard rules for admission to study in an educational organization that implements professional training programs of higher education.

According to the contingent of students, information on admission, academic results, movement of the contingent, graduation, etc. is analyzed. The general contingents of students in the accredited specialties are students studying on a paid basis full-time and full-time reduced forms of education.

Table 2 - Information about the contingent of students of EP 6B07116 "Automation and Control"

| Academic year | Form of study | Total students |
|---------------|-----------------------|----------------|
| 2021-2022 | full-time | 670 |
| | full-time abbreviated | 346 |
| 2022-2023 | full-time | 208 |
| | full-time abbreviated | 295 |

Table 3 - Information about the contingent of students of EP 6B06215 "Radio Engineering, Electronics and Telecommunications"

| Academic year | Form of study | Total students |
|---------------|-----------------------|----------------|
| 2021-2022 | full-time | 151 |
| | full-time abbreviated | 240 |
| 2022-2023 | full-time | 91 |
| | full-time abbreviated | 202 |

The level of progress of students is monitored by the structural divisions of the university, as well as curators of academic groups, discussing them at curatorial hours and sending commendable letters to parents of excellent students.

Criteria and methods for assessing students' knowledge, providing for the procedure for conducting current, intermediate and final control of knowledge, final certification, the current methodology for assessing students' progress for setting rating marks in disciplines are presented in the guidebook and on the university website.

The Department of Technical Disciplines systematically searches for organizations interested in graduates, assists in sending students to practice in an organization with subsequent employment, sends letters to potential employers with proposals for continued cooperation. Students of the department annually participate in city job fairs, which are organized with the invitation of potential employers.

Analytical part

In KazUITS uses relevant information systems to form information flows and collect information. Indeed, it is collected and stored in the proper form. In accordance with the current protocols, the frequency is determined forms and methods for assessing the management of the EP, the activities of structural divisions. A stable contingent is maintained for accredited EPs, which is good evidence. But, as a result of acquaintance with the collected information and documentation, the absence of a critical analysis of the generated data with the definition of influencing factors was revealed; the adoption of specific decisions by the heads of structural divisions was poorly expressed. Full and guaranteed acquaintance of the heads of departments and the public with the results obtained is not provided. Also, a clearly defined system of key

indicators was not identified in the submitted documents, or it is supported by personal communication between the heads of departments and, accordingly, is not displayed in the submitted documentation.

Strengths / Best Practice:

- absent.

EEC recommendations for EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Based on the results of the survey, analyze the data obtained, identify the influencing factors and ensure that the results are brought to the attention of the heads of the EP and structural divisions, and the public. Implementation period - annually.

-The results of collecting information should be subjected to critical analysis to make a decision based on them. Implementation period - annually.

- Subject the survey materials to a detailed analysis and demonstrate the elimination of the identified shortcomings. Implementation period - annually.

- When implementing the EP, the head of the EP should ensure the achievement of key performance indicators that are enshrined in the EP development plan. Implementation period - annually.

EEC conclusions:

According to the standard "Information Management and Reporting":

EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 16 satisfactory positions and 1 suggesting improvement

6.3 Standard "Development and approval of the educational program"

The university must demonstrate the existence of a documented procedure for the development of the EP and its approval at the institutional level

The university must demonstrate the compliance of the developed EP with the established goals and planned learning outcomes

The EP management should determine the influence of disciplines and professional practices on the formation of learning outcomes

The university can demonstrate the presence of a model of a graduate of an EP that describes learning outcomes and personal qualities

The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a certain level of NSQ, QF-EHEA

The management of the EP should demonstrate the modular structure of the program based on the European Credit Transfer and Accumulation System (ECTS), ensure that the EP, its modules (in content and structure) correspond to the set goals with a focus on achieving the planned learning outcomes

The management of the EP should ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of education (bachelor's, master's, doctoral studies)

The management of the EP must demonstrate the conduct of external reviews of the EP

The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality

The management of the EP must demonstrate the positioning of the EP in the educational market (regional / national / international), its uniqueness

An important factor is the possibility of preparing students for professional certification

An important factor is the presence of a two-degree EP and / or joint EP with foreign

universities

Evidence

Cluster EPs are developed in accordance with the SOSE of higher education approved by the Decree of the Government of the Republic of Kazakhstan dated August 23, 2012 No. 1080, with the SOSE of higher education approved by the Ministry of Education of the Republic of Kazakhstan dated October 31, 2018 No. 604, in accordance with the National Qualification Framework, Sectoral Qualification Frameworks, professional standards, common societal demands, aligned with the Dublin Descriptors and the European Qualifications Framework. The EPs of this cluster correspond to the mission of the University, which meets the needs of employers and is based on the normative documents of the university.

The basis for the development of the EP are, first of all, the proposals of employers, as well as teaching staff of the department, who put forward their wishes for the disciplines of the complex of choice. The developed EP is provided to the NMS of the department, approved by the academic council of the university. Responsible for conducting these procedures are the head of the department and the academic committee for the development of the EP.

WIP of EP contain a complete list of academic disciplines grouped into cycles of basic (DB) and major disciplines (PD) both for compulsory and elective components, indicating the labor intensity of each academic discipline in credits and academic hours.

The content and structure of EP 6B07116 "Automation and Control", 6B06215 "Radio Engineering, Electronics and Telecommunications" are developed in accordance with standard and training programs.

The goals of the educational program are reviewed taking into account the needs of society, the wishes of stakeholders, as well as changes in the labor market. A confirmation of the dynamism of the goals of the program is the coordination of its content with the employers of the region, who are involved in determining the list of elective disciplines, providing bases of practice and the final assessment of graduates.

Training in EP is carried out with a clear focus on the goals of the disciplines being studied and the expected learning outcomes, taking into account practice - orientation.

The development of general competencies is indirectly assessed during the intermediate certification (exams), directly - during the practice, and the final assessment is carried out during the defense of the final qualification work.

The cooperation of the department with the practice bases contributes to the formation of learning outcomes. The EP includes the following types of practices: educational, industrial, undergraduate.

The objects of professional activity of graduates are organizations, enterprises of the construction complex, industrial and social spheres, subdivisions of the management system of state enterprises, joint-stock companies and private firms.

At the Department of "Technical Disciplines" there are agreements with bases of practices that provide for free passage of all types of practice: CASPIAN SAFETY LLP, MBA Servis kz LLP, Transformer Plant LLP, Vetlife LLP, Jusan Mobile JSC, LLP "ZapadSpetsTorg", LLP "ProektInvestStroy", JSC "Transtelecom", JSC "Kazteleradio", LLP "Tehavangard", LLP "Batys Spetsavtomatika", JSC RTRK "Kazakhstan". (JSC "NK" "KTZ" - "Aktobe branch of the backbone network", LLP "CASPIAN SAFETY", LLP "MBA Servis kz", LLP "Transformer Plant", LLP "Vetlife", JSC "Jusan Mobile", LLP "ZapadSpetsTorg", ProjectInvestStroy LLP, Transtelecom JSC, Kazteleradio JSC, Tehavangard LLP, Batys Spetsavtomatika LLP, JSC RTRC Kazakhstan).

The implementation of the EP is based on an assessment of the strengths and weaknesses of the activity, analysis of the results, including an assessment of the effectiveness of planning, a reporting system, the results of collecting and analyzing statistics, external and internal audits, etc. The performance of the divisions is also assessed through sociological surveys, working expert groups created by the decision of the Academic Council, by studying the appeals of

interested parties. The rating evaluation of the activities of the departments is carried out. The activities of the collegiate bodies are carried out on the basis of the regulations; the effectiveness of their activities is evaluated twice a year.

Guided by the requirements of the standard plan, the content of the catalog of elective courses and the academic calendar, students determine an individual trajectory for each academic year. Advisors provide methodological assistance to students in the formation of an individual trajectory. The logic of drawing up an individual plan determines the choice of elective courses, teachers, supervisor, topics of the final work. The mechanisms for building an individual educational trajectory are described in the regulation on the formation of an individual educational trajectory for students of KazUITS.

The relevance and modernity of the content of academic disciplines is ensured through marketing research (among employers) supervised by the teaching staff of the cluster, the introduction of OC disciplines offered by employers. The provision of the EP with all regulatory documents and materials for the cluster is 100%.

Examination of the content and quality of educational programs takes place in several stages: discussion at a meeting of the department, consideration at a meeting of the educational and methodological council. External examination of educational programs is carried out by a third-party organization (employer organization, scientific or educational organization of the corresponding profile). At the final stage, educational programs are discussed and approved at a meeting of the Academic Council.

To implement EP 6B07116 "Automation and Control", 6B06215 "Radio Engineering, Electronics and Telecommunications" for lecturing, conducting practical classes, the University attracts practical workers, which allows bringing theory closer to practice and helps graduates quickly adapt to the professional environment. The criterion for attracting specialists to lectures is the appropriate basic education, practical work experience.

The leadership and staff of the Kazakhstan University of Innovative and Telecommunication Systems express their desire to realize the mission by establishing a university according to the "University-technopark" model, graduating specialists whose qualifications meet modern international standards.

Harmonization of the content of educational programs with educational programs of leading foreign and Kazakh universities is carried out through cooperation with partner universities, studying the structure and content of the EP. The harmonization of the content of the EP was carried out with the Almeteyevsk State Oil Institute. For a number of years, within the framework of joint cooperation, the Vice-Rector for Academic Affairs, Candidate of Pedagogical Sciences, Associate Professor, Vice-Rector of the Almeteyevsk State Oil Institute Ivanov Alexander Fedorovich came on a working visit.

Professors of the State University "Dubna" conduct guest lectures for students. So close cooperation with the university is carried out by Kibalnikov Sergey Vladimirovich. A number of programs of the State University "Dubna" in the field of professional activity are similar to the EP 1 of the cluster.

Analytical part

The management of the educational organization develops the content and structure of the EP in accordance with the accepted procedures with mandatory testing of the current form and content. Further, the coordination procedure is carried out at all levels. The list of disciplines and their content is checked for relevance, riveted by the developments of the teaching staff and the existing material and technical base of the organization, as well as the capabilities of the branches of the department. In the documentation of the EP, the graduate models and the general requirements and learning outcomes are formulated.

The developed content and structure of the EP are harmonized through feedback from students, teaching staff, employers and directly during implementation.

A number of questions arose as we got acquainted, to which a clear answer was not

received. Despite the fact that, in general, there is developed documentation for accredited EP, it was not possible to get acquainted with the presented graduate model in the form of a separately generated document. This is a big omission, since the detailed documentation of the EP is not required for the initial acquaintance of interested persons with the EP, the general visually presented information about the requirements, content and learning outcomes is more informative.

Unfortunately, from the submitted documents and conducted interviews, it became obvious that there is an incomplete understanding of the issue of the uniqueness of the positioning of the EP at the regional level, this situation in the future will lead to lost prospects, because all the opportunities currently available will not be used.

Previously reached agreements on the creation of joint educational programs should be subjected to a thorough analysis of the prospects for practical implementation. And it is necessary to bring the work begun to its logical end. The identify alternative partners to achieve this competitive advantage. It is proposed to draw up a detailed plan for the development of a joint educational program with fixing deadlines.

Strengths / Best Practice:

- absent.

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Demonstrate the EP graduate model indicating the learning outcomes and personal qualities in the form of a separate document. The implementation period is by the beginning of the 2023-2024 academic year.

-Determine the uniqueness of the positioning of the EP at the regional level of the educational market and reflect it as separate events in the development plans of the EP. The implementation period is until the end of 2023.

-Develop a plan for the implementation of a two-degree and / or joint EP with foreign universities and proceed with its implementation. Implementation period - until the end of 2023 - 2024 account. of the year.

EEC conclusions:

According to the standard"Development and approval of the educational program":

EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 12 satisfactory positions

6.4 Standard "Continuous monitoring and periodic evaluation of educational programs"

The university must ensure the revision 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 society

The university must demonstrate the existence of a documented procedure for monitoring and periodically evaluating the EP in order to achieve the goal of the EP. The results of these procedures are aimed at continuous improvement of the EP

Monitoring and periodic evaluation of the EP should consider

- the content of the programs in the context of the latest achievements of science and technology in a particular discipline

- changing needs of society and the professional environment

- workload, performance and graduation of students

- the effectiveness of student assessment procedures

- needs and degree of satisfaction of students

- compliance of the educational environment and the activities of support services with the goals of the EP

All stakeholders must be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP must be published

Support services should identify the needs of various groups of students and the degree of their satisfaction with the organization of training, teaching, assessment, mastering the EP in general

Evidence

At the Department of Technical Disciplines, the content, volume, logic, and construction of an individual educational trajectory are determined. Professional and academic orientation is carried out with students, IEPs are developed taking into account the scientific and methodological sequence of studying disciplines in cycles / modules, additional educational programs, principles.

Development plans for EP 6B07116 "Automation and Control", 6B06215 "Radio Engineering, Electronics and Telecommunications" were drawn up and improved in accordance with the development strategy of KazUITS for 2022-2025.

An important component of the quality assurance system for training students within the cluster EP is to monitor and periodically evaluate the modular educational programs EP 6B07116 "Automation and Control", 6B06215 "Radio Engineering, Electronics and Telecommunications" in order to ensure that they achieve their goal and meet the needs of students and society, including employers.

The content of the curricula is constantly reviewed in the light of the latest scientific achievements to ensure the relevance of the subjects taught. Analysis, revision and amendments to the curricula of the EP disciplines, practice programs, intermediate control and certification are carried out at department meetings.

Monitoring of the ISP of students shows that the procedure for recording, issuing an ISP is observed: all components of the curriculum defined for the current course of the student for the academic year, the name of the discipline, the code of the discipline, the number of credits, the type of classes, the full name of the teacher, the number of hours and form of control.

The content of the programs in the light of the latest scientific achievements is constantly reviewed to ensure the relevance of the disciplines taught. When revising the EP, the opinions of employers and students are taken into account. The disciplines included in the CED reflect the current trends in the area under study and are compiled taking into account the logical sequence of their study. CED includes disciplines aimed at developing a creative personality and forming the professional competencies of students.

Students are involved in the implementation of scientific projects through participation in research. Each student has a real opportunity to take part in scientific research at the level at which his personal abilities allow him to do this, so the participation of students in various types of research work is massive.

The educational process and research activities of the teaching staff and students in the cluster of the above EP are associated with priority areas for the development of science, are conditioned by the needs of the region, correspond national policy priorities, goals and objectives State program for the development of education of the Republic of Kazakhstan for 2020-2025.

Analysis of the success of training is carried out by compiling reports on the results of sessions, compiling and submitting statistical data to the authorized body, analyzing the causes of failure.

A summer semester is organized to meet the needs for additional training, eliminate academic debts or differences in curricula, study academic disciplines and develop loans by students in other universities with their mandatory re-crediting at their university, and improve the GPA.

The EP Guide disseminates information about all aspects of development, formation, approval and implementation of a plan for teaching staff, students and employers through electronic document management, as well as at meetings EMC, academic council (council members are employers and students), in departments at meetings of departments (employers and students are present). For students information is brought by curators and advisors.

The main provisions of the EP teachers, employees and students receive through electronic document management of the university, meetings of EMC, Academic Council faculty, university, department meetings, students - on curatorial hours. The management of the EP ensures that students, employees, teachers and partners, v.t. including employers, notified of the latest changes in the plan development of the EP and plans to change it through an accessible educational portal of the university, additionally at the meetings of the department, academic councils, and students on curatorial hours and information from advisors. On the processes of formation and implementation of the development plan of the EP interested persons can get on the website of the university in the department section (<http://kazuits.edu.kz/ru/1036/kafedra-obshchetekhnicheskikh-distiplin>), also via e-mail correspondence. At meetings with stakeholders (employers, students, teaching staff), during holding a round table and an alumni fair, the implementation of the plan is being discussed EP development.

Analytical part

When implementing the educational process, the content and structure of the EP are reviewed upon receipt of applications from employers and teaching staff, students make changes during multiple questionnaire procedures aimed at various aspects and receipt of proposals and complaints. No complaints were submitted against the latter established facts, since the predominant number of students and teachers are to a greater extent completely satisfied with the conditions.

The presence of highly qualified teaching staff and workers from production allows you to be sure of the sufficiency of familiarizing students of accredited EP with production equipment and work at the enterprise. The fact of close work with employers in the development and implementation of the EP confirms the satisfaction of production requests. The speech of the vice-rector for educational work positively characterizes the attitude of the leadership towards the social needs of students, which is confirmed by a survey of students.

On the face of constant monitoring of the progress of students, which is confirmed by the materials presented and the positive dynamics in this regard. When implementing the EP, they strive to diversify the effectiveness of student assessment procedures as much as possible; the teaching staff have completed appropriate advanced training courses at the national university. The student survey confirms this point.

Thanks to the creation of a proper educational environment at the university and the addition of classes in the branches of the department, favorable conditions are created for the training of specialists.

Thanks to the direct work of curators and advisors and support services, an information environment has been created to transfer information to students about the current situation and changes made to the implementation of the EP.

Strengths / Best Practice:

- absent.

EEC recommendations for EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

- absent.

EEC conclusions:

According to the standard "Constant monitoring and periodic evaluation of educational

programs":

EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 10 satisfactory positions

6.5 Student-Centered Learning, Teaching and Assessment Standard

The management of the EP should ensure respect and attention to the various groups of students and their needs, providing them with flexible learning paths

The management of the EP should ensure teaching on the basis of modern achievements of world science and practice in the field of training, the use of various modern methods of teaching and evaluating learning outcomes that ensure the achievement of the objectives of the EP, including competencies, skills to perform scientific work at the required level

The management of the EP should determine the mechanisms for distributing the teaching load of students between theory and practice within the framework of the EP, ensuring the development of the content and achievement of the objectives of the EP by each graduate

An important factor is the presence of own research in the field of teaching methods of EP disciplines

The university must ensure that the procedures for evaluating learning outcomes correspond to the planned results and goals of the EP

The university must ensure the consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP. Criteria and methods for evaluating learning outcomes should be published in advance

Assessors must be familiar with modern methods for assessing learning outcomes and regularly improve their skills in this area.

The management of the EP must demonstrate the existence of a feedback system on the use of various teaching methods and the assessment of learning outcomes

The management of the EP must demonstrate support for the autonomy of learners, while providing guidance and assistance from the teacher.

The management of the EP must demonstrate the existence of a procedure for responding to complaints from students

Evidence

The management of KazUITS provides equal opportunities for individual choice of courses, language of instruction.

The departments are solving the problem of changing the paradigm of education: to move away from the classical conservative system, where the teacher is in the center, to the system of open education, in the center of which is the student.

The teacher helps students understand the strategies and methods of teaching and assists in finding and eliminating individual problems in learning, great attention is paid to the latest technologies, methods and knowledge gained in the studied area.

At the Kazakhstan University of Innovation and Telecommunication Systems, in accordance with the fundamental international documents in the field of education, the principle of equal rights to education for persons with disabilities is provided. Thus, all academic buildings of the university are equipped with ramps for disabled people moving in wheelchairs.

Students receive all the necessary information about the possibilities of forming KPI from the curator, adviser. The department places an electronic version of the CED EP 6B07116 "Automation and Control", 6B06215 "Radio Engineering, Electronics and Telecommunications" in the AIS "Platonus". Students have the opportunity to get acquainted with CED on paper and electronic media, as well as with the presentation of compulsory and elective disciplines. According to CED, students study the description of elective disciplines and choose disciplines depending on the specifics of the chosen area of training.

The teaching staff, in their individual plans, plans training at seminars, advanced training courses on the use of modern programs, such as Smart-technologies, BIM-technologies and others, which allow increasing the motivation and quality of training of students, as the skills of mastering programs and applications improve, special competencies. This is a demonstration of the growth of professional competencies of teaching staff.

In 2019-2022 academic year 4 rooms are equipped at the department of technical disciplines: an office for automatic control and a regulator for laboratory work at the "Pneumodrive and pneumatic automation" stand, a microcontroller office for automation systems for working at the training and laboratory stand "Fundamentals of the theory of automatic control", an office for the basics of instrumentation and automation for work at the training - laboratory stand "Instrumentation and automation", an office of the training laboratory stand "Automation of a pumping station with a piston pump".

For the purpose of student-centered learning, the departments use various teaching methods and technologies that take into account the variety of forms of information assimilation. The following active and innovative teaching methods have been introduced: case study method; discussion method; collaborative learning, lecture-conversation, lecture-visualization, lecture-dispute, brainstorming; project method; business game method.

It is planned to introduce the following methods: problem and game technologies, technologies of collective and group activities, simulation methods of active learning, creative learning, innovative educational project activities, lecture-press conference.

The main purpose of innovative teaching methods is to increase the effectiveness of education and upbringing, including an introduction to the goals, content, organization of joint activities of the teacher and students.

The university has an effective system of information and feedback through questionnaires. All students participate in the survey. Access to the survey is carried out from the student's page on the university's website www.kazuits through the feedback service. The site has a blog of the President of the National Educational Institution KazUITS, Vice-Rector for Educational Work, Vice-Rector for Science and International Relations. There is also a Complaints and Suggestions blog where students can leave their complaints and suggestions. Questioning is conducted by anonymous filling of electronic questionnaires and is not controlled by the teacher.

Analytical part

The educational process being implemented allows for equal access to all students, including those with special needs. For all students, through teachers and support services, the opportunity is provided to form an individual educational trajectory.

The management of the EP is making efforts to provide students with various teaching methods and evaluate learning outcomes for this teaching staff, take appropriate refresher courses and develop training courses based on research and written educational and teaching materials. The final learning outcomes correspond to the planned results and practical goals of the EP.

The management of the EP seeks to create maximum conditions for the autonomy of the educational process with the help of the existing infrastructure and teaching staff.

The university has a written procedure for responding to student complaints, although it is difficult to judge its effectiveness, as there are no established facts.

Despite all the above achievements in the educational process, there are comments based on the results of familiarization with the documentation and the results of the interview. The teaching staff is not fully aware of the importance and foundations of student-centered learning. Even the fact of passing advanced training courses does not completely eliminate this moment. It is necessary to consolidate positions on this issue in the form of additional explanatory work, because this is a basic requirement in education today and in the near future. It is also recommended the gradual formation of their own base of scientific developments, emphasizing the individual orientation of the educational environment and the preservation of identity. This

will clearly highlight the learning process in this educational institution. It is also necessary to strive for a deep understanding of the importance to the procedure for assessing learning outcomes, after all, employer-oriented trends can change and the head of the EP needs to be ready to implement the educational process, focusing on a pure request from the student. And the student, unlike the employer, perceives the results in broader terms and categories.

Strengths / Best Practice:

- absent.

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Organize and conduct a seminar(s) for teaching staff explaining the principles of student-centered learning, support for student autonomy and the role of the teacher. The implementation period is until the end of 2023.

EEC conclusions:

According to the standard "Student-Centered Learning, Teaching and Assessment":

EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 10 satisfactory positions

6.6 Standard "Students"

The university must demonstrate the policy of forming a contingent of students and ensure the transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) must be defined, approved, published

The management of the EP should provide for special adaptation and support programs for newly enrolled and foreign students

The university must demonstrate the compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education

The university should provide an opportunity for external and internal academic mobility of students, as well as assist them in obtaining external grants for study

The university should actively encourage students to self-education and development outside the main program (extracurricular activities)

An important factor is the existence of a mechanism to support gifted students.

The university must demonstrate cooperation with other 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

The university must provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining contact with them

The university must demonstrate the procedure for issuing documents to graduates confirming the qualifications received, including the achieved learning outcomes

The management of the EP must demonstrate that program graduates have skills that are in demand in the labor market and that these skills are really in demand in the labor market.

The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates

An important factor is the existence of an active alumni association/union

Evidence

When forming a contingent of students, the University is guided by the current legislation,

the regulatory framework, the Model Rules for Admission for training.

The policy of forming a contingent of students at the University is to admit people to the number of students who are best prepared for studying at a university, who have scored the required number of points according to the results of the UNT graduates of general secondary schools, UNT graduates of secondary specialized educational institutions on a paid basis, as well as specialists with diplomas to receive second he based on the interview.

In order to strengthen career guidance, reach a new level of public relations, the university interacts with interested bodies and institutions, quickly study and predict the need for specialists in the educational services market and further improve the image of the University, the Department for Innovation and Employment was created. The information required by future applicants is presented in the "Applicants" section on the KazUITS website. Career guidance work of the University and the schedule of field meetings with students of schools and colleges of the city and other regions, develops promotional products, coordinates the activities of faculties to work with potential applicants and employers.

For first-year students, the head of the department, heads of departments, heads, heads of departments, advisers conduct instructive lectures containing information on the rules for organizing the educational process on credit technology of education (point-rating system of assessment, organization and conduct of the summer semester, etc.).

At the university, the issues of adaptation and support for foreign students are regulated by the "Program for the adaptation of foreign students to the conditions and requirements of the educational process at the Kazakhstan University of Innovative and Telecommunication Systems", where the process of adaptation of foreign students is considered as a multifactorial process of entry, development and formation of the personality of a foreign student into educational space of the university. The purpose of the program is to promote the entry, development and formation of the personality of a foreign student in the educational space of KazUITS.

In October 2017, the Student Service Center (SSC) was opened in KazUITS, designed to provide services to students of KazUITS on a one-stop basis (also online through the KazUITS website: <http://kazuits.edu.kz/ru/4562/hi-tech/poluchit-spravki-on-line>), as well as consultations of students on educational issues.

The quick adaptation of students in the educational environment of the university is facilitated by the student's guidebook, developed in accordance with the requirements of the credit technology of education in KazUITS and containing systematized brief information about the internal regulations of the university, organizational and procedural norms. The reference guide is posted on the KazUITS website.

KazUITS, in order to ensure comparable recognition of qualifications, is guided in its activities by the principles and provisions of the "European Network of National Information Centers for Academic Recognition and Mobility" (ENIC/NARIC). Cooperation with the organization of the Ministry of Education and Science of the Republic of Kazakhstan, the Center for the Bologna Process and Academic Mobility consists in the periodic exchange of certain information on the timing of institutional and specialized accreditation, on the entry of the university into the European Association of Universities, guidelines for the development of EP based on ECTS, etc. The basis for re-crediting KazUITS is the Regulations on the ECTS credit transfer system.

The University has concluded 48 agreements with Kazakhstani and foreign universities on cooperation on academic mobility. On this issue, the departments, with the assistance of the academic mobility coordinator, carry out information and explanatory work among students.

Working with gifted students is creating conditions for their optimal development. To support gifted and talented students at the Kazakhstan University of Innovation and Telecommunication Systems, the "Regulations on working with gifted students" have been developed.

Students of the department "Technical Disciplines" are in close symbiosis with the branches of the department on the basis of LLP "Ural Transformer Plant". During field trips and internships, students, on a par with researchers, participate in production processes and master practical skills: designing transformer drawings, studying the technology of manufacturing electrical products, service maintenance, electrical installation and commissioning services, drawing up and visual study of electrical circuits in equipment.

Students who have passed the final certification and confirmed the assimilation of the relevant professional curriculum of higher education are awarded the academic degree "bachelor" in the relevant specialty by the decision of the SAC and are issued a diploma with an appendix. The issuance of a diploma with an application is carried out on the basis of the order of the head of the university on graduation.

Monitoring the satisfaction of students, heads of enterprises of practice bases is carried out through the conduct of questionnaires and surveys, final conferences. Student survey results EP showed that they highly appreciate their basic professional knowledge and theoretical preparedness. More than 80% of respondents rated their theoretical knowledge at 4 points on a 5-point scale. A survey of heads of practice bases showed fairly high theoretical knowledge and practical skills. The leaders also highly appreciated the students' initiative and willingness to support new ideas, the ability to grow in the field of education.

Information on employment is presented on the website page (<http://kazuits.edu.kz>). It also provides information on employment in the context of specialties for the last 3 years (<http://kazuits.edu.kz/ru/123636/struktura/otdel-innovatsii-i-trudoustrojstva/trudoustrojstvo>). Photos and videos of famous graduates are posted on the Alumni tab of the website (<https://kazuits.edu.kz/ru/1036/kafedra-tekhnicheskikh-distiplin/vypuskniki>). It also provides information about the bases of practice of the university, which provide students with the opportunity for employment upon successful completion of the practice.

In order to ensure the employment of graduates, the university holds final conferences based on the results of internships with the invitation of employers, departmental events "Employer's Day", a Job Fair. Graduates are provided with information about the possibility of employment in youth practice through the state institution "Employment Center for the city of Uralsk".

Maintaining contact with alumni is organized through the activities of the university Alumni Association, the formation of a database of alumni, and the annual alumni forum.

Analytical part

The university maintains a fairly effective system and policy for the formation of a contingent. The measures taken make it possible to annually recruit a guaranteed number of students for the first year.

For first-year students, special events are held by the heads of departments and a guide is provided in order to adapt as quickly as possible in the infrastructure of the university. For first-year students from other countries, special adaptation measures are provided. Students who have passed academic mobility are provided with mechanisms for recognizing the results, including additional and non-formal learning. If there is an admission of gifted students, the formation of special conditions for the construction of a training program is provided. Although it became clear from the interview that there were no such facts at the moment.

The university maintains contact with other educational organizations and national centers and recognizes the results of academic mobility of students.

During the educational process, students undergo internships at partner enterprises of the university, including on the basis of branches of the departments.

Based on the results of the training, those who successfully completed the full course receive a diploma of the established form with an application in three languages. For successful employment, the management of the university and the head of the EP conduct special events that contribute to successful employment in the specialty.

On the part of the head of the EP, it is declared that there is an active alumni association.

Based on the results of familiarization with the documentation and interviews, there are the following comments. For foreign students, there are no additional measures for adaptation and support in the educational and cultural environment, in addition to the appointment of a separate curator. It should be noted that foreign students first get acquainted with the site and do not have the opportunity to immediately contact a specific person who will be allocated after admission.

In fact, the declared active association is absent, the materials presented are reviews of graduates employed in their specialty. It is required to give this question a more formalized form. Namely, to involve graduates in the direct activities of the university, both economic and educational. The goal of the association is to maintain, to the best of its ability, an environment for communication, supporting activities and exchanging information.

Strengths / Best Practice:

- absent.

EEC recommendations for EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-For foreign students, provide additional measures for adaptation and support in the educational and cultural environment. Implementation period - by the beginning of 2023-2024

- To form an official community - an Association / Association of Alumni, taking part in the activities of both the EP and the educational organization as a whole. The implementation period is 2022-2025 academic years.

EEC conclusions:

According to the standard "Students":

EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 11 satisfactory positions and 1 suggesting improvement

6.7 Standard "Teaching Staff"

The university must have an objective and transparent personnel policy in the context of the EP, including recruitment (including invited teaching staff), professional growth and development of staff, ensuring the professional competence of the entire staff

The university must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the strategy of the university, and the goals of the EP

The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning and teaching

The university should provide opportunities for career growth and professional development of teaching staff, including young teachers

The university should involve in the teaching of specialists from relevant industries with professional competencies that meet the requirements of the EP

The university must demonstrate the presence of a motivation mechanism for the professional and personal development of teaching staff

The university must demonstrate the widespread use of information and communication technologies and software in the educational process by the teaching staff (for example, on-line training, e-portfolio, MEPs, etc.)

The university must demonstrate the focus on the development of academic mobility, attracting the best foreign and domestic teachers

The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity at the university, determine the contribution of teaching staff,

including those invited, to achieving the goals of the EP

An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country

Evidence

The faculty is the main resource for ensuring the mission of the university. In this regard, the university pays increased attention to the processes of selection and training of personnel.

The personnel policy implements the main provisions in the field of hiring highly qualified personnel in all structural divisions of the Kazakhstan University of Innovation and Telecommunication Systems. The personnel policy is reflected in the Charter of KazUITS, the Strategic Development Plan of KazUITS for 2022-2025. The regulation on personnel policy determines the main goals, objectives and mechanisms for developing the human resources potential of the University for the coming period, establishes the rules for the selection, training and development of personnel. Transparency of personnel procedures is ensured by holding a competition for filling positions of teaching staff and is carried out on the basis of the university's personnel policy, regulated by the Labor Legislation of the Republic of Kazakhstan.

The university operates the principle of a democratic approach to personnel management. The management of the University is available to the staff. In working order, any employee has the opportunity to resolve professional and personal issues with the leadership of the university.

At the department of technical disciplines work: 3 - doctors of science; 19 candidates; 6 PhDs and 21 Masters.

The main indicators of the success of the implementation of the personnel policy are the improvement of the quality level of the teaching staff. In this direction, the university is carrying out purposeful work, as evidenced by the steady qualitative growth of teaching staff.

Effective personnel management and mobilization of the team for long-term development are reflected in the Development Strategy of the NSEI "KazUITS" for 2022-2025, the Academic Policy of the University.

As part of the implementation of the social lift of students, the university has a department for working with youth organizations, under which a Committee on Youth Affairs has been established on a voluntary basis.

To support young teachers, the School of Young Teachers operates, where experienced teachers - mentors conduct master classes on various topical topics. The meeting of the Young Teacher's School is held monthly. Young teachers under the age of 35 with at least three years of teaching experience are eligible to participate in the competitive selection.

In order to stimulate the creative activity of young teachers, annual competitions "The best teacher of the university", "The best curator of the year" are held.

Various measures of moral and material incentives are applied to teachers. Every year, as part of the professional holiday "Teacher's Day", national holidays "Independence Day", etc. For achievements in educational, scientific and educational activities, teachers are awarded diplomas, letters of thanks, cash prizes, and are also presented for state and departmental awards.

For the full professional development and realization of the creative needs of each category of employees, the university creates the appropriate conditions:

- rating system of remuneration and financial incentives based on its results;
- providing an opportunity to improve qualifications at the expense of the university in accordance with the decision of the administration;
- facilitating participation in Kazakhstani and international competitions of scientific works and competitions for individual grants;
- publication of methodological developments of employees;
- awarding diplomas and thanks from the top management of the university, city and region for achievements in the field of educational and scientific activities, social work and many years of conscientious work.

To maintain labor discipline and high motivation of teaching staff and university staff, a

system of incentives is provided: differentiated remuneration, bonuses, certificates and letters of thanks from management, badges, presentation of corporate awards.

The department provides opportunities for career growth and professional development teaching staff EP. At the department, the formation of scientific and pedagogical personnel is carried out by training masters of technical Sciences and Doctors of Philosophy in the specialty.

A qualitative factor in the composition of the teaching staff is the involvement of specialists with work experience. In this area, high-level specialists of the production sector are involved, who work part-time.

In order to improve the quality of education and develop academic mobility, the teaching staff concluded agreements (memorandums) with the State University "Dubna" in Moscow, the Almeteyevsk State Oil Institute, FSBEI HPE "Penza State University", FSAIHE "St. Petersburg National Research University of Information Technologies, Mechanics and optics.

Analytical part

In order to maintain a high level of training of specialists and increase the image, the management of the university and the head of the EP form a transparent personnel policy. The current staff fully complies with the established qualification requirements, in addition, part-time employees from production, foreign lecturers from partner universities, teachers with extensive production experience are actively involved in order to improve the quality, in addition, special incentives are in place for young teachers regarding professional and personal growth. Measures are tangible and intangible. I would like to note that these facts are confirmed not only by the materials, but also by the results of interviews and questioning of the teaching staff.

In order to improve their qualifications, teachers take special courses at other partner universities.

Despite all the positive results of this standard, there are the following comments. Teachers do not fully understand the role of the teacher in the conditions of student-centered learning, which should be corrected for a more successful implementation of the EP. From the materials provided, data on the academic mobility of teaching staff and measures to stimulate this activity of teaching staff are not clearly provided. The implementation of this measure will contribute to the rapid transformation of the educational process, thereby achieving a stronger position of the educational institution, both at the regional and national levels.

Strengths / Best Practice

The leadership of the educational organization has created favorable opportunities for career growth, which is especially important for young teachers.

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Conduct courses for teaching staff to explain the role of the teacher in a student-centered learning environment. The implementation period is 2023.

-Develop a plan for the development of academic mobility of teaching staff, indicating the predicted numerical values. Implementation period - 2022-2025 training years.

EEC conclusions:

According to the standard"Teaching staff ":

EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 1 strong, 9 satisfactory positions

6.8 Standard "Educational resources and student support systems"

The university must guarantee the compliance of educational resources, including material and technical, and infrastructure with the goals of the educational program

The management of the EP must demonstrate the availability of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the objectives of the EP

The university must demonstrate the compliance of information resources with the needs of the university and the EPs being implemented, including in the following areas:

- technological support for students and teaching staff in accordance with educational programs (for example, online learning, modeling, databases, data analysis programs)

- library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases

- examination of the results of research, graduation works, dissertations for plagiarism

- access to educational Internet resources

- functioning of WI-FI in its territory

The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of research work of teaching staff, staff and students

The university should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the relevant sectors of the economy

The management of the EP must demonstrate the existence of procedures for supporting various groups of students, including information and counseling

The management of the EP should show the existence of conditions for the advancement of the student along an individual educational trajectory

The university must take into account the needs of different groups of students (adults, working, foreign students, as well as students with special educational needs)

The university must ensure that the infrastructure meets the safety requirements

Evidence

To meet the needs of the cluster of educational programs 6B07116 "Automation and Control", 6B06215 "Radio Engineering, Electronics and Telecommunications" in material resources, the university has a material and technical base equipped with modern technical means.

The cluster of the educational program is provided with educational literature used in the process of preparing students in the areas of these educational programs, with a total volume of 200,360 copies, of which educational, educational, methodological, scientific literature - 187,760 copies (93%), electronic publications - 940 (0.47%). The formation of the library fund meets the established requirements. There are professional bases of practices on the profile of preparing a cluster of an educational program. It has its own electronic library, the volume of which is more than 3,600 entries, of which almost a third is in the Kazakh language. Open access to library funds, there are electronic catalogs. Readers have free access via the Internet to the leading scientific and technical electronic resources of the Republican Interuniversity Electronic Library.

There is a highly qualified faculty serving the cluster of educational programs, represented by 9 teachers with academic degrees and titles, including 3 Doctors of Science, 6 Candidates of Science, 3 PhDs and 8 Masters of Science.

In the National Educational Establishment "KazUITS" to support students in the implementation of their educational and career needs, there are academic and social support services for students. The academic support service for students includes the Office of the Registrar, department advisors, deputy for professional practice, library, curators.

There are 8 laboratory and study rooms for teaching students and are equipped with laboratory equipment, information stands and posters, projectors. There are tape recorders, voice recorders, duplicators, multimedia tools and materials on electronic media. For conferences and cultural events, the university has modern sound equipment. In the classrooms in the areas there

is the necessary equipment for educational, scientific and creative work. Language laboratories are equipped with audio, video and multimedia equipment with training programs. There is a reading room with Internet access.

The purchase of new computers, interactive projectors, modern educational equipment is carried out annually. Attention is also paid to improving the working environment and infrastructure.

In 2015, the university system "Anti-plagiarism KazUITS" was launched. All final qualifying works are mandatory tested for uniqueness in this system.

To ensure the possibility of prompt and effective access of various levels of users to educational information, an educational portal of the university was created. Access to the portal is carried out through personal logins and passwords of users.

The KazUITS Learning Management System (LMS KazUITS) provides access to the educational and methodological materials of the University for students of all forms of education, and is integrated with the educational portal of the University.

For students with scientific interests, there are scientific student societies and circles. For students who expressed a desire to obtain additional competencies and study additional credits, in excess of the required ones, classes are organized on the basis of the continuing education center of.

KazUITS provides full academic support to students by providing them with information, reference and methodological materials necessary for mastering the EP: guidebooks, ED catalogs, syllabuses, guidelines for writing term papers, theses and master's theses.

Information, reference and methodological materials are available in the public domain, posted on the website of the university: <http://kazuits.edu.kz/>, available to users in Russian, Kazakh languages. The website of the university is focused on applicants, students, business partners of the university, and also contains all the information reflecting the activities, achievements and development prospects of the university.

To draw up an individual plan to help students, teachers give a brief annotation of the disciplines: the place and role of the discipline in the program of the specialty, its novelty, methods and forms of education. With the complete formation of the disciplines of the compulsory component and elective courses, advisors help in choosing the learning path.

Students are provided with advisory, tutoring assistance in the formation and promotion of an educational individual trajectory. Students can get advice on advancing along the educational trajectory in classrooms, at the department at the adviser.

The leadership of the EP introduces conditions for inclusive education. For social support of orphans, meetings are organized with specialists from the akimat of the city of Uralsk to protect the rights of children, the timeliness of the appointment of social assistance. Also, the curators of the groups provide social support for students in order to adapt to the conditions of study, identify needy and low-income students, and work with parents.

All classrooms meet the requirements of sanitary standards, fire safety and fully ensure the educational process. Material resources correspond to the declared mission, goals and objectives of the university.

All offices and laboratories have passports, permits from the sanitary and epidemiological station and the fire department for their operation.

The department of social and educational work maintains a safety journal. Safety requirements are regulated by safety instructions approved by the university management.

Analytical part

The training of students in accredited EPs is supported by an appropriate material and technical base: specialized laboratories, branches of the department in places of practice, teaching staff, library paper and electronic funds, an information system for online access, Internet access.

Graduation papers undergo a mandatory plagiarism check in the software environment. On

the basis of our own laboratories and bases of industrial enterprises, it is possible to conduct experiments by agreement. Familiarization with production equipment is provided at partner production enterprises. For students, there is a scientific circle and a center where you can get additional training outside the content of the EP.

Appropriate infrastructure elements are provided for the admission of students with disabilities (special needs). All educational and laboratory premises meet hygienic and sanitary requirements. Laboratories maintain a safety journal.

In the course of familiarization with the materials of the report and video materials on the material and technical base, the following points arose that are worth paying attention to. Currently, more than 700 students are studying in EP 1 of the cluster, in general, and about 200 people in each course. With such a contingent, it is desirable to form several alternative disciplines within the framework of the educational trajectory, but it would be better to offer several educational trajectories with elective disciplines. Such measures will expand the spaces offered for learning, as well as provide more opportunities for teaching staff to represent their interests. In addition, this approach will allow to have alternative directions for the development of EP, in case of unforeseen changes in the educational process.

Also, the question of the workload of the laboratory fund with such a contingent of students remains very interesting, whether all students have the opportunity to conduct the necessary practical experiments in sufficient volume, within the established training periods, unfortunately, this question remained completely unanswered by the leaders of the EP, although the teaching staff and students The response to the survey was predominantly positive.

Strengths / Best Practice:

- absent.

EEC recommendations for EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-The management of the educational program should ensure the choice of alternative disciplines and the variability of the specialization of training to advance the student along an individual educational trajectory. The implementation period is 2022-2025 academic years.

- The management of the EP to analyze the effectiveness of the use of available material and technical resources and laboratory equipment. The results of the analysis should be reflected in the minutes of the meeting of the collegial body. Deadline - until the beginning of 2023 - 2024 academic year. of the year.

EEC conclusions:

According to the standard "Educational resources and student support systems":

EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 13 satisfactory positions

6.9 Public information standard

The information published by the university must be accurate, objective, up-to-date and reflect all areas of the university's activities within the framework of the educational program

Informing the public should include support and explanation of the national development programs of the country and the system of higher and postgraduate education

The university management should use a variety of ways to disseminate information (including the media, web resources, information networks, etc.) to inform the general public and stakeholders

Information published by the university about the educational program must be objective and up-to-date and include

the purpose and planned results of the EP, the qualification to be awarded

*information and the system for assessing the educational achievements of students
information about academic mobility programs and other forms of cooperation with
partner universities, employers*

*information about the opportunities for the development of personal and professional
competencies of students and employment*

*data reflecting the positioning of the EP in the market of educational services (at the
regional, national, international levels)*

*An important factor is the publication on open resources of reliable information about
teaching staff, in the context of personalities*

*The university must publish audited financial statements for the EP on its own web
resource*

*The university must post information and links to external resources based on the results of
external evaluation procedures*

*An important factor is the placement of information about cooperation and interaction
with partners, including scientific / consulting organizations, business partners, social partners
and educational organizations*

Evidence

In its information activities, the university and the leadership of the EP relies on the principles of timeliness, transparency, accessibility, openness, involvement and awareness. The university constantly demonstrates the development and features of the implementation of the EP, adaptation to the trends of education in the world.

The university management uses a variety of ways to disseminate information, such as: the official website, social networks, periodicals, reference books, media, information banners and brochures, where relevant information is posted to inform the general public and interested parties. The university uses a variety of information networks to inform the public and stakeholders.

The main source of informing the public about the activities of KazUITS is the university website (<http://kazuits.edu.kz/>).

The goals of the site: informational (dissemination of information about the university and its services), communication (establishing feedback with target audiences), image-building (providing a certain image in the eyes of target audiences).

A website has been created at the university <http://kazuits.edu.kz/>, newspaper "Kazakhstan University of Innovative and Telecommunication Systems" and Science Magazine "News of engineering science and education of Western Kazakhstan». Newspaper "Kazakhstan University of Innovation and Telecommunication Systems" and Science Magazine "News of engineering science and education of Western Kazakhstan». Since the founding of the newspaper (December 2010, certificate - No. 11305-G), 148 issues have been published, the newspaper is published twice a month. The main thematic focus of the publication is informational and educational, scientific and methodological, the newspaper also publishes educational programs, science news, innovations, patriotic and educational work, student creativity: poems and stories, articles by teachers and university staff on educational topics. Science Magazine "News of engineering science and education of Western Kazakhstan» has been published since 2013, with a frequency of 4 issues per year.

In order to form an anti-corruption culture in society, with the support of the Department of the Anti-Corruption Agency of the Republic of Kazakhstan in the West Kazakhstan region and the Republican Public Association "Zhanaru", events are being held at the university to explain the main provisions of the state's national anti-corruption policy.

In order to inform students about ongoing events, forums, educational programs, several sections have been created in the editorial office, where each covers a specific topic. Youth-style edition provides information about current educational programs in the "Studentter Ainasıy"

section, where students share their experience and impressions about those programs where they took part, give practical advice. Educational programs are also covered in the News section.

site every month <http://kazuits.edu.kz/> is being updated.

Field events are practiced in the regions, publications in the intra-university newspaper "KazIiTU". An open day is held annually, when applicants have the opportunity to get detailed information about the specialties and programs offered by the university. To inform the public, applicants, etc. specially designed video clip about the activities of the university and student life <http://kazuits.edu.kz/>.

The press center of the university on a systematic basis informs the public about cooperation and interaction with external partners within the framework of the EP, including with research institutes and centers, consulting organizations, business partners, social partners, public organizations and partner universities (<http://kazuits.edu.kz/ru/4562/akademicheskaya-mobilnost>).

Information on employment is presented on the website page (<http://kazuits.edu.kz/>). It also provides information on employment in the context of specialties for the last 3 years (<http://kazuits.edu.kz/ru/123636/struktura/otdel-innovatsii-i-trudoustrojstva/trudoustrojstvo>). Photos and videos of famous graduates are posted on the Alumni tab of the website (<https://kazuits.edu.kz/ru/1036/kafedra-tekhnicheskikh-distiplin/vypusniki>). It also provides information about the bases of practice of the university, which provide students with the opportunity for employment upon successful completion of the practice.

The university takes part in the ratings of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken", the Independent Agency for Accreditation and Rating. Certificates of all accredited EPs and the license of the university and EP are placed in the section "About the University", in the subsections "License" and "Achievements of the university (Accreditation, rating)" <http://kazuits.edu.kz/>. According to the results of the national rating of the Independent Agency for Accreditation and Rating, it entered the TOP-20 best universities in Kazakhstan in 2020 (12th place), according to the results of the National ranking of the demand for universities, it entered the TOP-20 best universities in Kazakhstan in 2019.

Information about the qualifications of each teacher in the form of a portfolio is posted on the main page of the university website (<http://kazuits.edu.kz/ru/1036/kafedra-obshchetekhnicheskikh-distiplin>).

Analytical part

The university provides a wide range of information about its activities both on the main information resource - the university website, and social networks, information platforms, in addition, information is posted in newspapers and magazines. In addition to providing information, field events are held. The website of the university also contains information about the EP, teaching staff and partner universities, information about employment.

Based on the results of reviewing the materials of the report, the following questions arose. The main participants in the educational process is the teaching staff, so complete and comprehensive information about it is the most interesting for the applicant. Therefore, one should strive to present this information in as much detail and in an accessible form as possible.

Also, in order to improve the state of academic mobility of both students and teaching staff, special attention should be paid to ensuring the timeliness and accuracy of providing information, because the degree of its importance depends on the timing of providing the public. Therefore, the process of updating information should be differentiated, and not according to a common pattern.

Strengths / Best Practice:

- absent.

EEC recommendations for EP 6B07116 "Automation and control", 6B06215 "Radio

engineering, electronics and telecommunications"

-Keep up to date in open sources of information about teaching staff. Implementation period - annually.

- Constantly inform the public about possible academic mobility programs and changes that arise in cooperation with partner universities. Implementation period - annually.

EEC conclusions:

According to the standard "Informing the public":

EP 6B07116 "Automation and control", 6B06215 "Radio engineering, electronics and telecommunications" have 11 satisfactory positions and 1 suggesting improvement

(VII) OVERVIEW OF STRENGTHS / BEST PRACTICE FOR EACH STANDARD

According to the standard "Management of the educational program":

- absent.

According to the standard "Information Management and Reporting":

- absent.

According to the standard "Development and approval of the educational program":

- absent.

According to the standard "Constant monitoring and periodic evaluation of educational programs":

- absent.

According to the standard "Student-Centered Learning, Teaching and Assessment":

- absent.

According to the standard "Students":

- absent.

According to the standard "Teaching staff":

The leadership of the educational organization has created favorable opportunities for career growth, which is especially important for young teachers.

According to the standard "Educational resources and student support systems":

- absent.

According to the standard "Informing the public":

- absent.

(VIII) OVERVIEW RECOMMENDATIONS FOR IMPROVING QUALITY FOR EACH STANDARD

Standard "Educational program management»

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Revise the uniqueness and individuality of the EP development plan in strict accordance with national development priorities and the development strategy of the educational organization. The implementation period is until the end of 2023.

- Conduct a risk analysis and compile a list of the most likely in the implementation of the EP with the development of counter countermeasures. The implementation period is until the end of 2023.

Standard"Information Management and Reporting"

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Based on the results of the survey, analyze the data obtained, identify the influencing factors and ensure that the results are brought to the attention of the heads of the EP and structural divisions, and the public. Implementation period - annually.

-The results of collecting information should be subjected to critical analysis to make a decision based on them. Implementation period - annually.

- Subject the survey materials to a detailed analysis and demonstrate the elimination of the identified shortcomings. Implementation period - annually.

- When implementing the EP, the head of the EP should ensure the achievement of key performance indicators that are enshrined in the EP development plan. Implementation period - annually.

Standard"Development and approval of the educational program"

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Demonstrate the EP graduate model indicating the learning outcomes and personal qualities in the form of a separate document. The implementation period is by the beginning of the 2023-2024 academic year.

-Determine the uniqueness of the positioning of the EP at the regional level of the educational market in the form of separate events in the development plans of the EP. The implementation period is until the end of 2023.

-Develop a plan for the implementation of a two-degree and / or joint EP with foreign universities and proceed with its implementation. Implementation period - until the end of 2023 - 2024 account. of the year.

Standard"Constant monitoring and periodic evaluation of educational programs"

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

- are absent.

Standard"Student-Centered Learning, Teaching and Assessment"

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio

engineering, electronics and telecommunications"

-Organize and conduct a seminar(s) for teaching staff explaining the principles of student-centered learning, support for student autonomy and the role of the teacher. The implementation period is until the end of 2023.

Standard "Students»

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-For foreign students, provide additional measures for adaptation and support in the educational and cultural environment. Implementation period - by the beginning of 2023-2024 G.

- To form an official community - an Association / Association of Alumni, taking part in the activities of both the EP and the educational organization as a whole. The implementation period is 2022-2025 academic years.

Standard "Teaching staff»

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Conduct courses for teaching staff to explain the role of the teacher in a student-centered learning environment. The implementation period is 2023.

-Develop a plan for the development of academic mobility of teaching staff, indicating the predicted numerical values. Implementation period - 2022-2025 training years.

Standard "Educational Resources and Student Support Systems"

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-The management of the educational program should ensure the choice of alternative disciplines and the variability of the specialization of training to advance the student along an individual educational trajectory. The implementation period is 2022-2025 academic years.

- The management of the EP to analyze the effectiveness of the use of available material and technical resources and laboratory equipment. The results of the analysis should be reflected in the minutes of the meeting of the collegial body. Deadline - until the beginning of 2023 - 2024 academic year. of the year.

Standard "Informing the public"

EEC recommendations for EP 6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

-Keep up to date in open sources of information about teaching staff. Implementation period - annually.

- Constantly inform the public about possible academic mobility programs and changes that arise in cooperation with partner universities. Implementation period - annually.

(IX) OVERVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF EDUCATIONAL ORGANIZATION

The management of the educational organization and the head of the EP should pay attention to further systematization of information flows with the development of specific protocols for evaluating effectiveness.

More time and attention should be devoted to the study of student-centered learning. Strive to achieve maximum involvement of students and teaching staff in the processes of collecting and processing information with the obligatory bringing it to the heads of departments and the public.

To develop the issues of creating an information platform for the full implementation of autonomous learning of students and create prerequisites for the creation of massive open online courses.

(X) RECOMMENDATIONS TO THE ACCREDITATION BOARD

The composition of the EEC recommends accrediting the EP 6B07116"Automation and Control", 6B06215 "Radio Engineering, Electronics and Telecommunications" for a period of 5 (five) years, taking into account the recommendations developed for implementation

Appendix 1. Evaluation table SPECIALIZED PROFILE PARAMETERS

EP6B07116"Automation and control", 6B06215 "Radio engineering, electronics and telecommunications"

| No. p \ p | No. n \ n | Criteria for evaluation | Position of the educational organization | | | |
|--|-----------|---|--|--------------|---------------------|----------------|
| | | | strong | Satisfactory | Assumes improvement | Unsatisfactory |
| Standard "Educational program management» | | | | | | |
| 1 | 1. | The university must demonstrate the development of the goal and development strategy of the EP based on the analysis of external and internal factors with the wide involvement of various stakeholders | | + | | |
| 2 | 2. | The quality assurance policy should reflect the relationship between research, teaching and learning | | + | | |
| 3 | 3. | The university demonstrates the development of a culture of quality assurance | | + | | |
| 4 | 4. | Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility | | + | | |
| 5 | 5. | The management of the EP ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students | | + | | |
| 6 | 6. | The EP management demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions | | + | | |

| | | | | | | |
|--|-----|--|----------|-----------|----------|----------|
| | | aimed at continuous improvement of the EP | | | | |
| 7 | 7. | The EP management should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan | | + | | |
| 8 | 8. | The EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national development priorities and the development strategy of the educational organization | | | + | |
| 9 | 9. | The university must demonstrate a clear definition of those responsible for business processes within the framework of the EP, the distribution of staff duties, and the delimitation of the functions of collegial bodies | | + | | |
| 10 | 10. | The management of the EP ensures the coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, and also involves all interested parties in this process | | + | | |
| 11 | 11. | The EP management must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions | | + | | |
| 12 | 12. | The management of the EP should carry out risk management | | | + | |
| 13 | 13. | ManagementThe EP should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program | | + | | |
| 14 | 14. | The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals | | + | | |
| 15 | 15. | The management of the EP must demonstrate its openness and accessibility for students of teaching staff, employers and other interested parties | | + | | |
| 16 | 16. | The management of the EP confirms the completion of training in education management programs | | + | | |
| 17 | 17. | The management of the EP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure. | | + | | |
| Total by standard | | | 0 | 15 | 2 | 0 |
| Information Management and Reporting Standard | | | | | | |
| 18 | 1. | The university must ensure the functioning of the system for collecting, analyzing and managing information based on modern information and communication technologies and software | | + | | |
| 19 | 2. | The EP guidance demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system | | + | | |

| | | | | | | |
|---|-----|---|----------|-----------|----------|----------|
| 20 | 3. | The EP management demonstrates the presence of a reporting system that reflects the activities of all structural units and departments within the EP, including an assessment of their performance | | + | | |
| 21 | 4. | The university must determine the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management | | | + | |
| 22 | 5. | The university must demonstrate a mechanism for ensuring the protection of information, including determining the persons responsible for the reliability and timeliness of the analysis of information and the provision of data | | + | | |
| 23 | 6. | The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them | | + | | |
| 24 | 7. | The EP management must demonstrate the existence of communication mechanisms with students, employees and other stakeholders, including conflict resolution | | + | | |
| 25 | 8. | The university must ensure the measurement of the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the EP and demonstrate evidence of eliminating the identified shortcomings | | + | | |
| 26 | 9. | The university must evaluate the effectiveness and efficiency of activities, including in the context of EP | | + | | |
| | | The information collected and analyzed by the university within the framework of the EP should take into account: | | | | |
| 27 | 10. | key performance indicators | | + | | |
| 28 | 11. | the dynamics of the contingent of students in the context of forms and types | | + | | |
| 29 | 12. | academic performance, student achievement and dropout | | + | | |
| 30 | 13. | satisfaction of students with the implementation of the EP and the quality of education at the university | | + | | |
| 31 | 14. | availability of educational resources and support systems for students | | + | | |
| 32 | 15. | employment and career growth of graduates | | + | | |
| 33 | 16. | Students, employees and teaching staff must document their consent to the processing of personal data | | + | | |
| 34 | 17. | The management of the EP should contribute to providing all the necessary information in the relevant fields of science | | + | | |
| Total by standard | | | 0 | 16 | 1 | 0 |
| Standard "Development and approval of the educational program" | | | | | | |
| 35 | 1. | The university must demonstrate the existence of a documented procedure for the development of the EP and its approval at the institutional level | | + | | |
| 36 | 2. | The university must demonstrate the compliance of the developed EP with the established goals and planned learning outcomes | | + | | |

| | | | | | | |
|---|-----|---|----------|-----------|----------|----------|
| 37 | 3. | The EP management should determine the influence of disciplines and professional practices on the formation of learning outcomes | | + | | |
| 38 | 4. | The university can demonstrate the presence of a model of a graduate of an EP that describes learning outcomes and personal qualities | | + | | |
| 39 | 5. | The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a certain level of NQF, QF-EHEA | | + | | |
| 40 | 6. | The management of the EP should demonstrate the modular structure of the program based on the European Credit Transfer and Accumulation System (ECTS), ensure that the EP, its modules (in content and structure) correspond to the set goals with a focus on achieving the planned learning outcomes | | + | | |
| 41 | 7. | The management of the EP should ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of education (bachelor's, master's, doctoral studies) | | + | | |
| 42 | 8. | The management of the EP must demonstrate the conduct of external reviews of the EP | | + | | |
| 43 | 9. | The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality | | + | | |
| 44 | 10. | The management of the EP must demonstrate the positioning of the EP in the educational market (regional / national / international), its uniqueness | | + | | |
| 45 | 11. | An important factor is the possibility of preparing students for professional certification | | + | | |
| 46 | 12. | An important factor is the presence of a two-degree EP and / or joint EP with foreign universities | | + | | |
| Total by standard | | | 0 | 12 | 0 | 0 |
| Standard "Continuous monitoring and periodic evaluation of educational programs" | | | | | | |
| 47 | 1. | The university must ensure the revision 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 society | | + | | |
| 48 | 2. | The university must demonstrate the existence of a documented procedure for monitoring and periodically evaluating the EP in order to achieve the goal of the EP. The results of these procedures are aimed at continuous improvement of the EP | | + | | |
| | | Monitoring and periodic evaluation of the EP should consider | | | | |
| 49 | 3. | the content of the programs in the context of the latest achievements of science and technology in a particular discipline | | + | | |

| | | | | | | |
|--|-----|---|----------|-----------|----------|----------|
| 50 | 4. | changing needs of society and the professional environment | | + | | |
| 51 | 5. | workload, performance and graduation of students | | + | | |
| 52 | 6. | effectiveness of student assessment procedures | | + | | |
| 53 | 7. | needs and satisfaction of students | | + | | |
| 54 | 8. | compliance of the educational environment and the activities of support services with the goals of the EP | | + | | |
| 55 | 9. | All stakeholders must be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP must be published | | + | | |
| 56 | 10. | Support services should identify the needs of various groups of students and the degree of their satisfaction with the organization of training, teaching, assessment, mastering the EP in general | | + | | |
| Total by standard | | | 0 | 10 | 0 | 0 |
| Student-Centered Learning, Teaching and Assessment Standard | | | | | | |
| 57 | 1. | The management of the EP should ensure respect and attention to the various groups of students and their needs, providing them with flexible learning paths | | + | | |
| 58 | 2. | The management of the EP should ensure teaching on the basis of modern achievements of world science and practice in the field of training, the use of various modern methods of teaching and evaluating learning outcomes that ensure the achievement of the objectives of the EP, including competencies, skills to perform scientific work at the required level | | + | | |
| 59 | 3. | The management of the EP should determine the mechanisms for distributing the teaching load of students between theory and practice within the framework of the EP, ensuring the development of the content and achievement of the objectives of the EP by each graduate | | + | | |
| 60 | 4. | An important factor is the presence of own research in the field of teaching methods of EP disciplines | | + | | |
| 61 | 5. | The university must ensure that the procedures for evaluating learning outcomes correspond to the planned results and goals of the EP | | + | | |
| 62 | 6. | The university must ensure the consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP. Criteria and methods for evaluating learning outcomes should be published in advance | | + | | |
| 63 | 7. | Assessors must be familiar with modern methods for assessing learning outcomes and regularly improve their skills in this area. | | + | | |
| 64 | 8. | The management of the EP must demonstrate the existence of a feedback system on the use of various teaching methods and the assessment of learning outcomes | | + | | |
| 65 | 9. | The management of the EP must demonstrate support for the autonomy of learners, while providing guidance and assistance from the teacher. | | + | | |
| 66 | 10. | The management of the EP must demonstrate the existence of a procedure for responding to complaints from students | | + | | |

| | | | Total by standard | 0 | 10 | 0 | 0 |
|----------------------------------|-----|--|--------------------------|-----------|-----------|----------|----------|
| Standard "Students» | | | | | | | |
| 67 | 1. | The university must demonstrate the policy of forming a contingent of students and ensure the transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) must be defined, approved, published | | + | | | |
| 68 | 2. | The management of the EP should provide for special adaptation and support programs for newly enrolled and foreign students | | + | | | |
| 69 | 3. | The university must demonstrate the compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education | | + | | | |
| 70 | 4. | The university should provide an opportunity for external and internal academic mobility of students, as well as assist them in obtaining external grants for study | | + | | | |
| 71 | 5. | The university should actively encourage students to self-education and development outside the main program (extracurricular activities) | | + | | | |
| 72 | 6. | An important factor is the existence of a mechanism to support gifted students. | | + | | | |
| 73 | 7. | The university must demonstrate cooperation with other 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 | | + | | | |
| 74 | 8. | The university must provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining contact with them | | + | | | |
| 75 | 9. | The university must demonstrate the procedure for issuing documents to graduates confirming the qualifications received, including the achieved learning outcomes | | + | | | |
| 76 | 10. | The management of the EP must demonstrate that program graduates have skills that are in demand in the labor market and that these skills are really in demand in the labor market. | | + | | | |
| 77 | 11. | The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates | | + | | | |
| 78 | 12. | An important factor is the existence of an active alumni association/union | | | | + | |
| Total by standard | | | 0 | 11 | 1 | 0 | |
| Standard "Teaching staff» | | | | | | | |
| 79 | 1. | The university must have an objective and transparent personnel policy in the context of the EP, including recruitment (including invited teaching staff), professional growth and development of staff, ensuring the professional | | + | | | |

| | | | | | | |
|---|-----|---|----------|----------|----------|----------|
| | | competence of the entire staff | | | | |
| 80 | 2. | The university must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the strategy of the university, and the goals of the EP | | + | | |
| 81 | 3. | The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning and teaching | | + | | |
| 82 | 4. | The university should provide opportunities for career growth and professional development of teaching staff, including young teachers | + | | | |
| 83 | 5. | The university should involve in the teaching of specialists from relevant industries with professional competencies that meet the requirements of the EP | | + | | |
| 84 | 6. | The university must demonstrate the presence of a motivation mechanism for the professional and personal development of teaching staff | | + | | |
| 85 | 7. | The university must demonstrate the widespread use of information and communication technologies and software in the educational process by the teaching staff (for example, on-line training, e-portfolio, MEPs, etc.) | | + | | |
| 86 | 8. | The university must demonstrate the focus on the development of academic mobility, attracting the best foreign and domestic teachers | | + | | |
| 87 | 9. | The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity at the university, determine the contribution of teaching staff, including those invited, to achieving the goals of the EP | | + | | |
| 88 | 10. | An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country | | + | | |
| Total by standard | | | 1 | 9 | 0 | 0 |
| Standard "Educational resources and student support systems" | | | | | | |
| 89 | 1. | The university must guarantee the compliance of educational resources, including material and technical, and infrastructure with the goals of the educational program | | + | | |
| 90 | 2. | The management of the EP must demonstrate the availability of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the objectives of the EP | | + | | |
| | | The university must demonstrate the compliance of information resources with the needs of the university and the EPs being implemented, including in the following areas: | | | | |
| 91 | 3. | technological support for students and teaching staff in accordance with educational programs (for example, online learning, modeling, databases, data analysis programs) | | + | | |

| | | | | | | |
|------------------------------------|-----|---|----------|-----------|----------|----------|
| 92 | 4. | library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases | | + | | |
| 93 | 5. | examination of the results of research, final works, dissertations for plagiarism | | + | | |
| 94 | 6. | access to educational Internet resources | | + | | |
| 95 | 7. | functioning of WI-FI in its territory | | + | | |
| 96 | 8. | The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of research work of teaching staff, staff and students | | + | | |
| 97 | 9. | The university should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the relevant sectors of the economy | | + | | |
| 98 | 10. | The management of the EP must demonstrate the existence of procedures for supporting various groups of students, including information and counseling | | + | | |
| 99 | 11. | The management of the EP should show the existence of conditions for the advancement of the student along an individual educational trajectory | | + | | |
| 100 | 12. | The university must take into account the needs of different groups of students (adults, working, foreign students, as well as students with special educational needs) | | + | | |
| 101 | 13 | The university must ensure that the infrastructure meets the safety requirements | | + | | |
| Total by standard | | | 0 | 13 | 0 | 0 |
| Public Information Standard | | | | | | |
| 102 | 1. | The information published by the university must be accurate, objective, up-to-date and reflect all areas of the university's activities within the framework of the educational program | | + | | |
| 103 | 2. | Informing the public should include support and explanation of the national development programs of the country and the system of higher and postgraduate education | | + | | |
| 104 | 3. | The university management should use a variety of ways to disseminate information (including the media, web resources, information networks, etc.) to inform the general public and stakeholders | | + | | |
| | | Information published by the university about the educational program must be objective and up-to-date and include | | | | |
| 105 | 4. | the purpose and planned results of the EP, the qualification to be awarded | | + | | |
| 106 | 5. | information and the system for assessing the educational achievements of students | | + | | |

| | | | | | | |
|--------------------------|-----|--|----------|------------|----------|----------|
| 107 | 6. | information about academic mobility programs and other forms of cooperation with partner universities, employers | | | + | |
| 108 | 7. | information about the opportunities for the development of personal and professional competencies of students and employment | | + | | |
| 109 | 8. | data reflecting the positioning of the EP in the market of educational services (at the regional, national, international levels) | | + | | |
| 110 | 9. | An important factor is the publication on open resources of reliable information about teaching staff, in the context of personalities | | + | | |
| 111 | 10. | The university must publish audited financial statements for the EP on its own web resource | | + | | |
| 112 | 11. | The university must post information and links to external resources based on the results of external evaluation procedures | | + | | |
| 113 | 12. | An important factor is the placement of information about cooperation and interaction with partners, including scientific / consulting organizations, business partners, social partners and educational organizations | | + | | |
| Total by standard | | | 0 | 11 | 1 | 0 |
| TOTAL | | | 1 | 107 | 5 | 0 |

Annex 2. PROGRAM OF THE VISIT TO THE EDUCATIONAL INSTITUTION

AGREED
Rector of KazUITS

"__" _____ 2023



APPROVE
Director General of the National Institution
"Independent Agency for Accreditation and Rating"

_____ Zhumagulova A.B.
"__" _____ 2023

PROGRAM
VISIT OF THE EXTERNAL EXPERT COMMISSION
INDEPENDENT ACCREDITATION AND RATING AGENCY (IAAR)
TO KAZAKHSTAN UNIVERSITY OF INNOVATIVE AND TELECOMMUNICATION SYSTEMS

STAGE 1 SPECIALIZED ACCREDITATION
Date of the visit: May 22-24, 2023, the time is indicated for Uralsk

| date and time | EEC work with target groups | Position and Surname, Name, Patronymic of participants target groups | Contact form |
|-----------------------------------|--|--|---|
| <i>May 21st</i> | | | |
| 15.00-16.00 | Preliminary meeting of the EEC | <i>External IAAR experts</i> | Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| <i>May 21, 2023</i> | | | |
| <i>On schedule during the day</i> | Arrival of members of the External Expert Commission | | |
| <i>20.00</i> | Dinner | <i>External IAAR experts</i> | |

| Day 1: May 22, 2023 | | | |
|---------------------|--|--|--|
| 08.30-09.00 | Transfer from the hotel to the University | <i>External IAAR experts, coordinator of the university - project manager for accreditation of organizations of technical and vocational education IAAR Bekenova Dinara Kairbekovna</i> | |
| 09.00-09.15 | Distribution of responsibility of experts, solution of organizational issues | <i>External IAAR experts</i> | Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 09.15-09.45 | Interview with the rector | <i>Rector of the University Bayakhov Alibi Naukhanovich Doctor of Agricultural Sciences, Professor, Corresponding Member of NIA RK</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 09.45-10.00 | Technical break | | |
| 10.00-10.40 | Interviews with vice-rectors | <i>Aimaganbetova Anara Mukhambetkaliyevna - vice-rector for EMW, MSc; Duskaizeva Zhanar Nurlybaevna - Vice-Rector for SW and IR, Candidate of Cultural Studies; Khamzin Zakir Ulykbekovich - Vice-Rector for SEW, M.ESc.</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 10.40-10.50 | Technical break | | |
| 10.50-11.30 | Interviews with the heads of structural divisions of the NGO | <i>Kurakbaeva Tatyana Sergeevna -Head of the Department for Academic Affairs, M.Ec.Sc.; Kurmasheva Layla Zhubandykovna -office-registrar, M.T.Sc; Amanbaev Nartau Zholdauovich - Specialist of the Department of Science, M.Ec.Sc.; Ofitserov Sergey Olegovich - director of the information technology center. Lauberts Kira Yurievna - Head of Practice and Employment Department;</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |

| | | | |
|--------------------|--|---|---|
| | | <p><i>Dzhumakaeva Gulzhan Tulegenovna - head of the library Gusmanova Guldana Alibekovna - head of the department of career guidance, M.Ec.Sc.;</i></p> <p><i>Tastemirov Asylbek Gumarovich - chief accountant;</i></p> <p><i>Otarova Zhanat Sagynbaevna - deputy head. Bukh., M.Ec.Sc.;</i></p> <p><i>Spandiyarov Zamir Kameshovich - Head of the Department of Educational Work, M.L.Sc;</i></p> <p><i>Ayazbayeva Gulzhan Serikovna - editor of the newspaper KAZIITU;</i></p> <p><i>Baymukanov Zhastalap Lukpanovich - head of the economic department;</i></p> <p><i>Amrullina Aisulu Sembeevna - head of personnel department.</i></p> | |
| 11.30-11.45 | Exchange of views of members of the foreign expert commission | | <p>room number 209</p> <p>Join a Zoom meeting</p> <p>https://us02web.zoom.us/j/6813032588</p> <p>Conference ID: 681 303 2588</p> |
| 11.45-12.30 | Interviews with heads of departments and heads of educational programs | <p><i>Analiev Azhar Urazbaevna - head of department "Technical disciplines", M.T.Sc.</i></p> <p><i>Izteleuova Gulzada Syrymovna - deputy head of the department "Technical disciplines", M.T.Sc., Head of the EP "Computer Engineering and Software"</i></p> <p><i>Urazova Gulnaz Erbolatovna - Ph.D. Head of the EP "Automation and Control"</i></p> <p><i>Dzhumakhmetova Liliya Kereevna Head of EP "Information Systems"</i></p> <p><i>Aksenova Dina Kuanaevna Head of the EP "Information Systems Master"</i></p> <p><i>Kubiyeva Gulzhanat Oralbekkyzy - M.T.Sc. Head of the EP "Radio Engineering, Electronics and Telecommunications"</i></p> <p><i>Sadykov Rashid Sagievich - head of the department "Ecology and Belarusian Railways", D.A.Sc</i></p> <p><i>Nurgaliyeva Balseker Muratovna - Deputy Head of the Department, M.T.Sc</i></p> <p><i>Moldaganapov Ulan Yerikovich - head of the EP from the organization.</i></p> | <p>room number 209</p> <p>Join a Zoom meeting</p> <p>https://us02web.zoom.us/j/6813032588</p> <p>Conference ID: 681 303 2588</p> |

| | | | |
|--------------------|---|---|---|
| | | <p><i>Muratova Elmira Muratkyzy-head. cafe "Jurisprudence", M.L.Sc.</i> <i>Amanbayeva Alfiya Maksutovna - Deputy Head of the Department, M.L.Sc.</i> <i>Cherkesov Magomed Alimovich - Senior Lecturer, Head of Educational Program "Jurisprudence", M.L.Sc.</i> <i>Rakhmetov Talgat Khasanovich - candidate of legal sciences, professor</i> <i>Dzhumabaev Aidynbek Baltabekovich – M.L.Sc., Senior Lecturer</i> <i>Mekin Madeniet Adilovich – Head of the department "Economics and Management", M.Ec.Sc.</i> <i>Makhambetova Asel Makhambetovna - Head of the EP "Finance", M.Ec.Sc..</i> <i>Baygalieva Arailym Salauatovna - Head of the Public Service and Local Government Program, M.Ec.Sc.</i> <i>Kazhgalieva Samal Orynbasarovna - Head of the EP "Accounting and Audit", M.Ec.Sc.</i> <i>Isagaliev Saken Talgatovich - Head of the EP "Economics", M.Ec.Sc.</i> <i>Kadralieva Gulnur Malikovna Head of the EP "Economics Master", M.Ec.Sc.</i></p> | |
| 12.30-13.00 | EEC work | <i>External IAAR experts</i> | <p>room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588</p> |
| 13.00-14.00 | Dinner | | |
| 14.00-14.15 | Exchange of views of members of the foreign expert commission | | <p>room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588</p> |

| | | | |
|----------------------------|---|--|--|
| 14.15-15.00 | Interview with teaching staff EP | <i>Annex 1</i> <i>Cluster 1</i> <i>Cluster 2</i> <i>Cluster 3</i> <i>Cluster 4</i> <i>Cluster 5</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 15.00-15.15 | Technical break | | |
| 15.00-16.00 | Questioning of teaching staff (in parallel) | <i>Annex 2</i> | The link is sent to the e-mail of the teacher personally |
| 15.15-16.00 | Interviews with EP students | <i>Annex 3</i> <i>Cluster 1</i> <i>Cluster 2</i> <i>Cluster 3</i> <i>Cluster 4</i> <i>Cluster 5</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 16.00-17.00 | Questionnaire of students (in parallel) | <i>Appendix 4</i> | The link is sent to the e-mail of the student personally |
| 16.15-18.00 | Visual inspection of the EP and the material, technical and educational and laboratory base | <i>Route sheet</i> <i>Appendix 5</i> | |
| 18.00-19.00 | Work of the EEC discussion of the results of the first day | <i>External IAAR experts</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 19.00-20.00 | Dinner | | |
| Day 2: May 23, 2023 | | | |
| 08.30-09.00 | Transfer from the hotel to the University | <i>External IAAR experts, coordinator of the university - project manager for accreditation of organizations of technical and vocational education</i> | |

| | | | |
|--------------------|---|--|--|
| | | <i>IAAR Bekenova Dinara Kairbekovna</i> | |
| 09.00-09.15 | EEC work | | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 09.15-10.50 | Selective visits to the EP practice bases | <i>External IAAR experts according to the itinerary Appendix 6</i> | |
| 10.50-11.30 | Meeting with stakeholders (representatives of practice bases and employers) | <i>Annex 7</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 11.30-11.40 | Technical break | | |
| 11.40-13.00 | Work with documents (documents must be uploaded to the cloud in advance) | | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 13.00-14.00 | Dinner | | |
| 14.00-14.15 | Technical break | | |
| 14.15-15.00 | Interviews with graduates of the EP | <i>Appendix 8</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 15.00-17.00 | Selective visits to the EP practice bases | <i>External IAAR experts according to the itinerary Annex 9</i> | |
| 17.00-17.15 | Technical break | | |

| | | | |
|----------------------------|---|---|--|
| 17.00-18.00 | EEC work, discussion of the results of the second day and profile parameters (recording is ongoing) | | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 18.30-19.30 | Dinner | | |
| Day 3: May 24, 2023 | | | |
| 08.30-09.00 | Transfer from the hotel to the University | <i>External IAAR experts, coordinator of the university - project manager for accreditation of organizations of technical and vocational education IAAR Bekenova Dinara Kairbekovna</i> | |
| 09.00-10.00 | The work of the EEC development and discussion of recommendations (recording) | <i>External IAAR experts</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 10.00-10.20 | Technical break | | |
| 10.20-12.30 | The work of the EEC discussion, decision-making by voting (recorded) | <i>External IAAR experts</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 12:30-13:00 | Final meeting of the EEC with the leadership of the university | | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 13.00-14.00 | Dinner | | |
| 14.00-15.00 | Work of the EEC, Discussion of the results of the quality assessment | <i>External IAAR experts</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
| 15.00-15.15 | Technical break | | |

| | | | |
|--------------------|--|------------------------------|--|
| 15.15-18.00 | Work of the EEC, Discussion of the results of the quality assessment | <i>External IAAR experts</i> | room number 209 Join a Zoom meeting https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588 |
|--------------------|--|------------------------------|--|



Annex 3. RESULTS OF THE PTS QUESTIONNAIRE**Questionnaire of teaching staff****Total number of profiles: 19****2. Position,%**

| | |
|---|------|
| Professor | |
| Associate Professor/Associate Professor | 5.3 |
| Senior Lecturer | 73.7 |
| Teacher | 15.8 |
| Head Chair | 5.3 |
| Other | |

3. Academic degree, academic title

| | |
|---|------|
| Honored Worker | |
| Ph.D | |
| PhD | |
| master | 84.2 |
| PhD | 5.3 |
| Professor | |
| Associate Professor/Associate Professor | 5.3 |
| No | 10.5 |
| Other | |

4. Work experience in this university

| | |
|------------------|------|
| Less than 1 year | |
| 1 year - 5 years | 36.8 |
| Over 5 years | 63.2 |
| Other | |

| No | Questions | Very good | Fine | Relatively bad | Badly | Very bad | Didn't answer |
|----|---|-----------|------|----------------|-------|----------|---------------|
| 1 | To what extent does the content of the educational program meet your scientific and professional interests and needs? | 78.9 | 21.1 | | | | |
| 2 | How do you assess the opportunities provided by the university for the professional development of teaching staff | 68.4 | 31.6 | | | | |

| | | | | | | | |
|--------|---|------|------|--|--|--|--|
| 3 | How do you assess the opportunities provided by the university for the career growth of teaching staff | 57.9 | 42.1 | | | | |
| 4 | How do you assess the degree of academic freedom of teaching staff | 68.4 | 31.6 | | | | |
| | To what extent can teachers use their own | | | | | | |
| 5 | Learning Strategies | 68.4 | 31.6 | | | | |
| 6 | Teaching Methods | 89.5 | 10.5 | | | | |
| 7 | Educational innovation | 78.9 | 21.1 | | | | |
| 8 | How do you assess the work on the organization of medical care and disease prevention at the university? | 63.2 | 36.8 | | | | |
| 9 | What attention is paid by the management of the educational institution to the content of the educational program? | 89.5 | 10.5 | | | | |
| 10 | How do you assess the sufficiency and availability of the necessary scientific and educational literature in the library? | 89.5 | 10.5 | | | | |
| eleven | Assess the level of conditions created that take into account the needs of different groups of students? | 63.2 | 36.8 | | | | |
| | Evaluate the openness and accessibility of leadership | | | | | | |
| 12 | Students | 78.9 | 21.1 | | | | |
| 13 | teachers | 78.9 | 21.1 | | | | |
| 14 | Assess the involvement of teaching staff in the process of making managerial and strategic decisions | 31.6 | 68.4 | | | | |
| 15 | How is the innovation activity of teaching staff encouraged? | 52.6 | 47.4 | | | | |
| 16 | Assess the level of feedback from teaching staff with management | 84.2 | 15.8 | | | | |
| 17 | What is the level of stimulation and involvement of young professionals in the educational process? | 73.7 | 26.3 | | | | |
| 18 | Evaluate the created opportunities for professional and personal growth for each teacher and employee | 63.2 | 36.8 | | | | |

| | | | | | | | |
|---------------|--|------|------|-----|--|--|--|
| 19 | Assess the adequacy of the university management's recognition of the potential and abilities of teachers | 52.6 | 47.4 | | | | |
| | How the work is delivered | | | | | | |
| 20 | For academic mobility | 57.9 | 42.1 | | | | |
| 21 | To improve the qualifications of teaching staff | 52.6 | 47.4 | | | | |
| | Evaluate the support of the university and its management | | | | | | |
| 22 | Research initiatives of teaching staff | 63.2 | 36.8 | | | | |
| 23 | Development of new educational programs / academic disciplines / teaching methods | 68.4 | 31.6 | | | | |
| | Assess the level of ability of teaching staff to combine teaching | | | | | | |
| 24 | with scientific research | 57.9 | 42.1 | | | | |
| 25 | with practical activities | 73.7 | 26.3 | | | | |
| 26 | Assess how the knowledge of students obtained at the university corresponds to the realities of the requirements of the modern labor market | 68.4 | 31.6 | | | | |
| 27 | How does the leadership and administration of the university perceive criticism? | 31.6 | 68.4 | | | | |
| 28 | Assess how your workload meets your expectations and capabilities? | 68.4 | 26.3 | 5.3 | | | |
| 29 | Assess the focus of educational programs / training programs on the formation of students' skills and abilities to analyze the situation and make forecasts? | 63.2 | 36.8 | | | | |
| thirty | Assess how the educational program in terms of content and quality of implementation meets the expectations of the labor market and employers | 63.2 | 36.8 | | | | |

Why do you work at this university?

Democracy, favorable moral climate in the team, excellent material and technical base, stability and confidence in work

The base is good, all the necessary conditions are created for students and teachers

I like to work in a team

Stability in everything

A university with high prospects that can respond to the demands of the market in our country Hello! I was offered a job at this university in 2021. At the beginning, the work itself seemed difficult, she herself did not plan to work as a teacher. But in our university, what kept me - it was my wonderful team! But six months later, I heard that the university provides good opportunities for young scientists, such as housing. I began to relate to my work with love, responsibility, and indeed - this responsibility for work, has borne fruit in the form of a one-room apartment. In addition, I love teaching.

I live nearby

All conditions have been created to engage in scientific work.

I have a great opportunity to improve my education level

Working hours are convenient, located near my home. I really like the training base.

During the implementation of the project, the university laboratories are well closed and assistance is provided. Because I graduated from a technical university, the material base is good

I graduated from a technical university, the material base is good here

There are many career opportunities and participate in research work

Freedom for scientific research

32. How often do you have workshops and workshops with practitioners as part of your course?

| | | | | |
|-------|-------|---------------|-------------|-------|
| Often | often | Someti mes | very rarely | never |
| 15.8 | 78.9 | 5.3 | | |

33. How often do invited teachers (domestic and foreign) participate in the learning process?

| | | | | |
|-------|-------|---------------|-------------|-------|
| Often | often | Someti mes | very rarely | never |
| 15.8 | 57.9 | 26.3 | | |

34. How often do you encounter the following problems in your work: (please give an answer in each line)

| Questions | Often | Sometimes | Never | No answer |
|---|-------|-----------|-------|-----------|
| Lack of classrooms | | 5.3 | 94.7 | |
| Unbalanced study load by semesters | | 10.5 | 89.5 | |
| Unavailability of necessary literature in the library | | 15.8 | 84.2 | |
| Overcrowding of study groups (too many students in the group) | | 26.3 | 73.7 | |
| Inconvenient schedule | | 15.8 | 84.2 | |
| Inappropriate conditions for classes in classrooms | | | 100 | |
| No internet access/poor internet | | 5.3 | 94.7 | |
| Students' lack of interest in learning | | 31.6 | 68.4 | |
| Untimely receipt of information about events | | 5.3 | 94.7 | |
| Lack of technical teaching aids in classrooms | | 21.1 | 78.9 | |

| | |
|----------------|---|
| Other problems | <p>Everything is fine No problem There are no problems in the educational process, at least I personally did not encounter it. it's all right There is no problem No problems so far no way If state aid is provided during the retraining of scientists</p> |
|----------------|---|

35. There are many different sides and aspects in the life of the university, which in one way or another affect every teacher and employee. Rate how satisfied you are:

| Questions | Completely satisfied (1) | Partially satisfied (2) | Not satisfied (3) | Difficult to answer (4) |
|---|--------------------------|-------------------------|-------------------|-------------------------|
| The attitude of the university management towards you | 94.7 | | | 5.3 |
| Relationships with direct management | 100 | | | |
| Relationships with colleagues in the department | 89.5 | 5.3 | 5.3 | |
| The degree of participation in managerial decision-making | 78.9 | 21.1 | | |
| Relations with students | 100 | | | |
| Recognition of your successes and achievements by the administration | 89.5 | 10.5 | | |
| Support for your suggestions and comments | 84.2 | 15.8 | | |
| University administration activities | 89.5 | 10.5 | | |
| Terms of pay | 52.6 | 42.1 | | 5.3 |
| Working conditions, list and quality of services provided at the university | 84.2 | 15.8 | | |
| Occupational health and safety | 84.2 | 15.8 | | |
| Management of changes in the activities of the | 89.5 | 10.5 | | |

| | | | | |
|--|------|------|--|-----|
| university | | | | |
| Providing a social package: rest, sanatorium treatment, etc. | 68.4 | 31.6 | | |
| Organization and quality of food at the university | 84.2 | 10.5 | | 5.3 |
| Organization and quality of medical care | 78.9 | 21.1 | | |



Annex 4. RESULTS OF STUDENT QUESTIONNAIRE*Questionnaire for students***Total number of profiles: 57****Floor:**

| | |
|--------|------|
| Male | 47.4 |
| Female | 52.6 |

Rate how satisfied you are:

| Questions | Completely satisfied | Partially satisfied | Partially dissatisfied | Not satisfied | I'm at a loss answer |
|--|----------------------|---------------------|------------------------|---------------|----------------------|
| 1. Relations with the dean's office (school, faculty, department) | 77.2 | 19.3 | 3.5 | | |
| 2. The level of accessibility of the dean's office (school, faculty, department) | 77.2 | 19.3 | 1.8 | | 1.8 |
| 3. The level of accessibility and responsiveness of the leadership (university, school, faculty, department) | 80.7 | 14 | 3.5 | | 1.8 |
| 4. Availability of academic counseling | 77.2 | 17.5 | 3.5 | | 1.8 |
| 5. Support with educational materials in the learning process | 73.7 | 21.1 | 3.5 | | 1.8 |
| 6. Availability of personal counseling | 68.4 | 22.8 | 3.5 | | 5.3 |
| 7. Relationship between student and teacher | 87.7 | 8.8 | 1.8 | | 1.8 |
| 8. The activities of the financial and administrative services of the educational institution | 64.9 | 28.1 | 3.5 | | 3.5 |
| 9. Availability of health services | 71.9 | 21.1 | 1.8 | | 5.3 |
| 10. The quality of medical care at the university | 68.4 | 24.6 | 1.8 | | 5.3 |
| 11. The level of availability of library resources | 82.5 | 10.5 | 1.8 | | 5.3 |
| 12. The quality of services provided in libraries and reading rooms | 84.2 | 8.8 | 1.8 | | 5.3 |
| 13. Existing educational resources of the university | 80.7 | 15.8 | 1.8 | | 1.8 |
| 14. Availability of computer classes | 80.7 | 15.8 | 1.8 | | 1.8 |
| 15. Availability and quality of Internet resources | 77.2 | 15.8 | 3.5 | 1.8 | 1.8 |
| 16. The content and information content of the website of educational organizations in general and faculties (schools) in particular | 75.4 | 21.1 | 1.8 | | 1.8 |
| 17. Study rooms, auditoriums for large groups | 82.5 | 12.3 | 3.5 | | 1.8 |
| 18. Lounges for students (if any) | 59.6 | 19.3 | 3.5 | 1.8 | 15.8 |
| 19. Clarity of disciplinary procedures | 73.7 | 17.5 | 1.8 | | 7 |
| 20. The quality of the educational program as a whole | 77.2 | 17.5 | 1.8 | | 3.5 |

| | | | | | |
|---|------|------|-----|-----|-----|
| 21. The quality of study programs in the OP | 75.4 | 15.8 | 3.5 | | 5.3 |
| 22. Teaching methods in general | 71.9 | 21.1 | 5.3 | | 1.8 |
| 23. Quick response to feedback from teachers on the educational process | 86 | 10.5 | 1.8 | | 1.8 |
| 24. Overall quality of teaching | 78.9 | 15.8 | 1.8 | | 3.5 |
| 25. Academic load / requirements for the student | 84.2 | 12.3 | 1.8 | | 1.8 |
| 26. The requirements of the teaching staff for the student | 71.9 | 22.8 | 1.8 | | 3.5 |
| 27. Information support and clarification before entering the university of the rules for admission and the strategy of the educational program (specialty) | 82.5 | 12.3 | 3.5 | | 1.8 |
| 28. Informing the requirements in order to successfully complete this educational program (specialty) | 78.9 | 15.8 | 3.5 | | 1.8 |
| 29. The quality of examination materials (tests and examination questions, etc.) | 82.5 | 10.5 | 5.3 | | 1.8 |
| 30. Objectivity in assessing knowledge, skills and other educational achievements | 77.2 | 17.5 | 3.5 | | 1.8 |
| 31. Available computer classes | 78.9 | 17.5 | 1.8 | | 1.8 |
| 32. Available scientific laboratories | 64.9 | 28.1 | 1.8 | | 5.3 |
| 33. Objectivity and fairness of teachers | 80.7 | 14 | 3.5 | | 1.8 |
| 34. Informing students about courses, educational programs and the academic degree received | 78.9 | 15.8 | 3.5 | | 1.8 |
| 35. Providing students with a hostel | 63.2 | 21.1 | 3.5 | 3.5 | 8.8 |

How much do you agree with:

| Statement | Full consent | Agree | Partially agree | Disagree | Complete disagreement | Didn't answer |
|---|--------------|-------|-----------------|----------|-----------------------|---------------|
| 36. The course program was clearly presented | 56.1 | 28.1 | 15.8 | | | |
| 37. Course content is well structured | 59.6 | 28.1 | 12.3 | | | |
| 38. Key terms adequately explained | 61.4 | 22.8 | 15.8 | | | |
| 39. The material proposed by the teacher is relevant and reflects the latest achievements of science and practice | 61.4 | 28.1 | 8.8 | 1.8 | | |
| 40. The teacher uses effective teaching methods | 57.9 | 24.6 | 17.5 | | | |
| 41. The teacher owns the material being taught | 66.7 | 22.8 | 10.5 | | | |
| 42. The lecturer's presentation is clear | 63.2 | 29.8 | 7 | | | |
| 43. The teacher presents the material in an interesting way | 56.1 | 31.6 | 10.5 | 1.8 | | |
| 44. Objectivity in assessing knowledge, skills and other educational achievements | 61.4 | 29.8 | 8.8 | | | |
| 45. The timeliness of assessing the | 54.4 | 33.3 | 12.3 | | | |

| | | | | | | |
|--|------|------|------|-----|--|--|
| educational achievements of students | | | | | | |
| 46. The teacher meets your requirements and expectations for professional and personal development | 63.2 | 26.3 | 10.5 | | | |
| 47. The teacher stimulates the activity of students | 57.9 | 29.8 | 12.3 | | | |
| 48. The teacher stimulates the creative thinking of students | 59.6 | 24.6 | 15.8 | | | |
| 49. Appearance and manners of the teacher are adequate | 63.2 | 28.1 | 8.8 | | | |
| 50. The teacher has a positive attitude towards students | 64.9 | 24.6 | 10.5 | | | |
| 51. The system for assessing educational achievements (seminars, tests, questionnaires, etc.) reflects the content of the course | 61.4 | 26.3 | 12.3 | | | |
| 52. Evaluation criteria used by the teacher are clear and accessible | 59.6 | 31.6 | 8.8 | | | |
| 53. The teacher objectively evaluates the achievements of students | 57.9 | 29.8 | 12.3 | | | |
| 54. The teacher speaks a professional language | 61.4 | 26.3 | 12.3 | | | |
| 55. The organization of education provides sufficient opportunities for sports and other leisure activities. | 50.9 | 38.6 | 10.5 | | | |
| 56. Facilities and equipment for students are safe, comfortable and modern | 59.6 | 28.1 | 10.5 | 1.8 | | |
| 57. The library is well equipped and has a sufficient fund of scientific, educational and methodical literature | 61.4 | 28.1 | 10.5 | | | |
| 58. Equal opportunities for mastering the EP and personal development are provided to all students | 66.7 | 24.6 | 8.8 | | | |

Other concerns regarding the quality of teaching:

No

Everything is fine, very cool!! 🖐

I want them to put lounge chairs in the corridors. If there is a boiler for drinking water.

I would like to have a place to rest for students, I would like to have sofas for lectures. All universities, of course, teach at the right level, but I would completely change this education system, where they don't teach life, but only try to prove to you that you will be poorly evaluated by society if you fail your studies. Students are not meant to be able to study and work at the same time with a normal salary in order to provide themselves with food and tuition fees. I do not blame the university for this, I blame the ministry for this, where the opinion of the students themselves is not received at all.

None