«АККРЕДИТТЕУ 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 for assessment of compliance with the requirements of the standards of primary specialized accreditation of educational programs

7M07188 Automation and Control (primary accreditation)

JSC «K. KULAZHANOV KAZAKH UNIVERSITY OF TECHNOLOGY AND BUSINESS»

in the period from March 12 to March 14, 2025

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External Expert Commission

Addressed to
To the IAAR Accreditation Council

«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ
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in the period from March 12 to March 14, 2025

2025 year

CONTENT

(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

AC – Academic Calendar
BD – Basic Disciplines
EAAA – External assessment of academic achievements
SAC – State Attestation Commission
SMSE – The State mandatory standard of education
DET – Distance educational technologies
UNT – Unified National Testing
EHEA – European Higher Education Area
ECTS – European Credit Transfer System
ILC – Information and library complex
ICT – Information and communication technologies
IC – Individual Curriculum
CC – Component of choice
CT – Comprehensive Testing
CLT – Credit Learning Technology
CED – Catalog of elective disciplines
ME of RK - Ministry of Education and Science of the Republic of Kazakhstan
MEP – Modular Educational program
SRW – Scientific and research work
SRWS– Scientific and research work of students
RQ - Required component
GES – General education subjects
EP – Educational programs
PD – Profile disciplines
PTS– Professor-Teaching staff
RIEL – Republican Interuniversity Electronic Library
RK – Republic of Kazakhstan
WC – Working Curriculum
QMS – Quality Management System
SVE – Secondary vocational education
IWS – Independent work of students
IWSGT – Independent work of students under the guidance of a teacher
SC – Standard Curriculum
EMCD – Educational and methodical complex of the discipline
EMD – Educational and methodical Department
EMC – Educational and Methodological Council

(II) INTRODUCTION

In accordance with Order No. 22-25-OD dated 02/19/2025 of the Independent Agency for Accreditation and Rating, from March 12 to March 14, 2025, an external expert commission assessed the compliance of the educational program 7M07188 Automation and Control (primary accreditation) of JSC K. Kulazhanov Kazakh University of Technology and Business with the standards of primary specialized accreditation of the IAAR (dated "25" May 2018, No. 68-18/1-OD, first edition).

The report of the External Expert Commission (IEC) contains an assessment of the submitted educational programs according to the IAAR criteria, recommendations of the IEC for further improvement of educational programs and parameters of the educational program profile.

Composition of the VEC:

1) **Chairman of the IAAR Commission** – Tamyarov Andrey Valerievich, Candidate of Technical Sciences, Associate Professor, Head of the Department of Licensing, Accreditation and Quality Control of Education, Associate Professor of the Department of Measurement and Computing Complexes, Ulyanovsk State Technical University (Russian Federation) Offline participation

2) **IAAR expert** – Babajanov Davron Dadodzhanovich, Vice-Rector for International Relations, Doctor of Economics, Professor, Tajik State University of Law, Business and Politics (Republic of Tajikistan) Online participation

3) **IAAR expert** – Ivashov Arslan Amanbaevich, Ph.D., Associate Professor at the School of Law and Public Administration of Narkhoz University (Republic of Kazakhstan) Offline participation

4) **IAAR expert** – Natalia V. Ryvkina, Master's degree, Senior Lecturer at the Department of Construction, L.N.Gumilyov Eurasian National University (Republic of Kazakhstan) Offline participation

5) **IAAR expert** – Valishina Galiya Lutfullayevna Candidate of Technical Sciences, Associate Professor, Methodological Center Astana (Republic of Kazakhstan) Offline participation

6) **IAAR expert** – Damira Bakhtiyarovna Tattibaeva, PhD, Head of the Department of Food Production Engineering and Technology, International University of Engineering and Technology (Republic of Kazakhstan) Offline participation

7) **IAAR expert** – Kalganbaev Nurlan Adilovich, Ph.D. in Economics, Professor of the Department of International Tourism Management at KAZUMO NAM. Abylaikhana (Republic of Kazakhstan) Off-line participation

8) **IAAR expert** – Aliya Sagyndykovna Aktymbaeva, Candidate of Geographical Sciences, Associate Professor, Department of Recreational Geography and Tourism Al-Farabi Kazakh National University (Republic of Kazakhstan) Offline participation

9) **IAAR expert, employer** – Yerlan Bekenov, Deputy Director of Orta Invest LLP, Master's degree (Republic of Kazakhstan) Off-line participation

10) **IAAR expert, employer** – Madiyev Temirlan Khaleluly, leading expert of the Investment Project Support Department of the Chamber of Entrepreneurs of Almaty (Republic of Kazakhstan) Op-line participation

11) **IAAR expert, student** – Tynymbaeva Aruzhan Muratkyzy, Member of the Alliance of Students of Kazakhstan, L.N.Gumilyov Eurasian National University (Republic of Kazakhstan) Offline participation

12) **IAAR expert,** Sailau Adilet student, 4th year student of Information Security Systems at Al-Farabi Kazakh National University, Member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan) Op-line participation

13) **IAAR expert, student** – Akkainanova Nazira Albertkyzy, 3rd year student of the Department of State and Local Government, Member of the Alliance of Students of Kazakhstan, Turan-Astana University (Republic of Kazakhstan) Offline participation

14) **IAAR expert, student** – Diana Ardakovna Sygambekova, student of the OP "Standardization and Certification (by industry)", Member of the Alliance of Students of Kazakhstan, Abylkas Saginov Karaganda Technical University (Republic of Kazakhstan) Op-line participation

15) **IAAR expert, student** – Kamilla Turdieva, student of OP "Tourism", Turan University, Member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan) Offline participation

16) **IAAR Coordinator** – Malika Akhyadovna Saidulayeva, Project Manager of the Independent Agency for Accreditation and Rating (Republic of Kazakhstan) Offline participation

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

Joint Stock Company " K. Kulazhanov Kazakh University of Technology and Business" established on June 12, 2003 on the basis of the branch of the Almaty University of Technology and Business in Astana. Since the 2003-2004 academic year, the organization has been operating as an independent university, called the Akmola University of Technology and Business. On March 26, 2008, it was renamed into K.Kulazhanov Kazakh University of Technology and Business JSC (hereinafter K.Kulazhanov KazUTB JSC), which is the only one in the city. Astana and the Akmola region are specialized higher educational institutions for the training of competitive personnel for the food, light, petrochemical and hospitality industries.

The university has 2 faculties: "Technology", "Economics and Service", which include 8 departments, as well as the college of JSC K.Kulazhanov KazUTB https://kaztbu.edu.kz /.

The educational process is served by the teaching staff of 227 people, including: doctors of sciences, professors – 11 people; candidates of sciences, associate professors – 66 people; PhD doctors - 33 people, masters 108 people, specialists - 9 people. The university's graduation rate is 48.5%.

The number of KazUTB students for the 2024-2025 academic year is 4,874 people: of them: 1,741 study at the Faculty of Economics on a contractual basis with a grant of 36; 2,276 study at the Faculty of Technology on a contractual basis with a grant of 821.

The University has sufficient material, technical, information and library resources used to organize the learning process and education of students: 3 academic buildings with a total area of 24,457.40 m2, 4 computer classrooms, a catering facility with an area of 360 m2, a dormitory with an area of 3335 m2, a dining room with 50 seats, a student dormitory – "House of Students"for 680 seats. On February 9, 2024, a military department was established at JSC K.Kulazhanov KazUTB

The total book collection of the library as of 01.01.2025 is more than 135 thousand books in printed format and 2934 units in AIS Platonus in PDF format in the state, Russian and foreign languages. Over the past five years, the library's collection has increased by 14,685 copies (11% of the total book collection).

On March 17-19, 2021, the institutional accreditation of NU "NAOKO" was carried out. Following the meeting of the Accreditation Council on May 31, 2021, JSC K.Kulazhanov KazUTB successfully passed Institutional Accreditation for a period of five years. Based on the audit results, a Certificate of International institutional accreditation was issued, registration number IA-A No. 0124 dated May 22, 2021.

JSC K.Kulazhanov KazUTB carries out educational activities in accordance with the state license No. KZ49LAA00036082 in the field of higher and postgraduate education without limitation of validity, issued by the RSU "Committee for Quality Assurance in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan" dated January 18, 2024, which confirms the validity and legality of the implementation Bachelor's and Master's degree programs

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

The educational program 7M07188 Automation and Control (primary accreditation) is accredited by the IAAR for the first time.

(V) DESCRIPTION OF THE VEC SESSION

The work of the WEC was carried out on the basis of the approved Program of the visit of the expert commission on specialized accreditation of educational programs of JSC " K. Kulazhanov Kazakh University of Technology and Business " in the period from March 12 to March 14, 2025.

In order to coordinate the work of the WEC, an on-line orientation meeting was held on 03/10/2025, during which powers were distributed among the members of the commission, the schedule of the visit was clarified, and an agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire university infrastructure, and to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans, heads of departments, teachers, students, graduates, and employers. A total of 58 representatives took part in the meetings (table 1).

Table 1 – Information about employees and trainees who participated in meetings with the IEC IAAR:

Category of participants	**Quantity**
Rector	1
The Vice-Rector's Building	4
Heads of structural divisions	15
Deans	2
Heads of departments	6
Teachers	12
Students, undergraduates, doctoral	15
students, Employers	3
Total	58

During the visual inspection, the members of the WEC got acquainted with the state of the material and technical base, visited laboratories and classrooms: library, 3/515, 3/514, 3/516, 3/513, 1/408.

At the meetings of the Higher Attestation Commission of the Russian Academy of Sciences with the university's target groups, the mechanisms for implementing the university's policy were clarified and individual data presented in the university's self-assessment report were specified.

The members of the WEC visited the practice bases of accredited programs: JSC "Institute of Economic Research".

According to the program of the visit, according to the approved schedule, classes on accredited OPS were not held.

In accordance with the accreditation procedure, 65 teachers and 71 students, including junior and senior students, were interviewed.

In order to confirm the information provided in the Self-Assessment Report, external experts requested and analyzed the university's working documentation. Along with this, the experts studied the university's Internet positioning through the university's official website. https://www.kaztbu.edu.kz/ru .

As part of the planned program, recommendations for improving accredited educational programs of JSC K.Kulazhanov Kazakh University of Technology and Business,developed by the VEC based on the results of the examination, were presented at a meeting with the leadership on 03/14/2025.

(VI) COMPLIANCE WITH THE STANDARDS OF PRIMARY SPECIALIZED ACCREDITATION

6.1. Educational Program Management Standard

An organization of higher and (or) postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the relationship between scientific research, teaching and learning.

The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of secondary education.

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

The management of the Educational institution demonstrates its readiness to ensure transparency in the development of an educational institution's development plan based on an analysis of its functioning, the real positioning of the NGO and the focus of its activities on meeting the needs of the state, employers, students and other stakeholders. The plan should contain a timeline for the start of the educational program.

The management of the Educational institution demonstrates the existence of mechanisms for the formation and regular review of the educational development plan and monitoring its implementation, assessing the achievement of learning objectives, meeting the needs of students, employers and society, and making decisions aimed at continuous improvement of educational institutions.

The management of the OP should involve representatives of groups of stakeholders, including employers, students and teaching staff in the formation of a development plan for the OP.

The management of the educational institution should demonstrate the individuality and uniqueness of the educational development plan, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education.

The organization of higher and (or) postgraduate education must demonstrate a clear definition of those responsible for business processes within the framework of the educational program, an unambiguous distribution of staff responsibilities, and the differentiation of functions of collegial bodies.

The management of the educational institution must provide evidence of the transparency of the educational program management system.

The management of the OP must demonstrate the existence of an internal quality assurance system for the OP, including its design, management and monitoring, their improvement, and fact-based decision-making.

The management of the OP should carry out risk management, including within the framework of the OP undergoing initial accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.

The management of the educational institution should ensure the participation of representatives of employers, teaching staff, students and other interested parties in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.

The NGO must demonstrate innovation management within the framework of the OP, including the analysis and implementation of innovative proposals.

The management of the educational institution must demonstrate evidence of willingness to be open and accessible to students, teaching staff, employers and other stakeholders.

The management of the OP should be trained in educational management programs.

The evidentiary part

Achieving quality objectives has a positive impact on the quality of educational services, work efficiency and financial performance and, consequently, on the satisfaction and trust of stakeholders.

The quality policy of JSC K.Kulazhanov KazUTB is aimed at realizing the mission, goals and objectives of the university and fully satisfying the needs of consumers of all categories with the results of work in all areas of its activities in accordance with the changing requirements of the labor market and the standards of the global educational space.

https://kaztbu.edu.kz/ru/strategiya-razvitiya

The management of JSC K.Kulazhanov KazUTB makes full use of its position to fully implement its quality policy, provide processes with the necessary financial and material resources, and achieve strategic goals in continuously improving the efficiency and quality of the university's core activities.

The entire team and every employee of JSC K.Kulazhanov KazUTB are full participants in all internal processes of Quality Policies and bear conscious responsibility for the quality and effectiveness of their work.

The quality policy is formed and periodically reviewed every three years based on the following components:

- Development program of JSC K.Kulazhanov KazUTB;

- current results of the analysis of customer satisfaction and other stakeholders with the educational service;

- information on the results of the University's quality management system for previous periods.

The management of JSC K.Kulazhanov KazUTB systematically analyzes the results of internal audits, competitions and sociological monitoring to ensure that the Quality Policy is being implemented. https://kaztbu.edu.kz/ru/strategiya-razvitiya.

The mission and Policy of JSC K.Kulazhanov KazUTB in the field of quality are posted on the website https://kaztbu.edu.kz/ru/missiya-kazutbт.e . in accessible places to ensure familiarization with the documents of all employees and students of JSC K.Kulazhanov KazUTB. Information about the mission, quality goals, and objectives is posted in university admissions brochures.

The organization of the development and quality assurance of educational programs is supervised by the UME, the Regulation "On the procedure for developing a plan for the development of educational programs and monitoring its implementation" dated 02/29/2024, which defines the form, structure, procedure for the development and approval of educational programs to ensure a unified approach in their construction. The Department monitors the labor market, taking into account the requests of employers and international experience, and the atlas of new professions, proposals are submitted to the Quality Assurance Commission (hereinafter referred to as the COC). The COC reviews the feedback received from developers, discusses its content, and makes suggestions for improving its quality. The EP is undergoing an external examination. An external examination is carried out by an employer specializing in the relevant field.

Documents on QMS procedures are posted on the university's website. https://www.kaztbu.edu.kz/ru/akkreditaciya-i-rejtingi .

All interested parties are involved in the formation of EP 7M07188 – "Automation and control": teaching staff of graduate departments, teaching staff of service departments, representatives from employers and undergraduates. The content and quality of the educational program are discussed at the meeting of the Department of Information Technology, the COC of the Faculty of Technology is considered.

The participation of external stakeholders in the implementation of the quality assurance policy of programs is also carried out through the procedures of external evaluation of state bodies (state certification, licensing, external assessment of academic achievements), non-governmental and independent bodies (accreditation, rating).

Improving the quality of education EP 7M07188 – "Automation and control" is based on the synthesis of the triad "science-education-innovation". The integration of research and educational activities is developing in a wide range of breakthrough areas of scientific and technological progress, such as intelligent control systems, IoT technologies, and machine learning technologies, blockchain.

In this field, the Department of Information Technology, in particular EP 7M07188-Automation and Control, has significant integration potential: memorandums of cooperation in the field of science and education have been signed with leading universities in the near and far abroad, as well as partner universities.

The research work of the Department of Information Technology, EP 7M07188 Automation and Control has an innovative focus and is devoted to research in the field of additive technologies, the use of machine learning to predict the volume of man-made deposits, neural network algorithms for assessing and monitoring the disposal of man-made waste, blockchain technology for waste tracking and management in real time.

The training of undergraduates is closely related to research in production, for these purposes, an agreement has been concluded with Astana Ceramics LLP, Ecostroy NII-PV LLP for scientific internships and internships, performing the experimental part of dissertation research directly on the equipment of the enterprise.

K.M. Akishev, Ph.D., Assistant professor (researcher), is working on the topic of his doctoral thesis "Scientific foundations of automation of technological process control for the production of building mixes from man-made raw materials", which uses modern methods and technologies based on artificial intelligence, the Internet of Things, undergraduates are involved in his scientific research. as a consultant.

Undergraduates' education is closely related to promising scientific research on topics such as:

- "Automation of educational institutions' security systems";
- "Development of mobile IoT devices for household use";
- "Development of automated control systems for complex technological processes";
- "Automation of the control system, technological process of utilization of turbine blades of wind turbines";
- "Research and development of new materials for additive technologies";
- "The use of artificial intelligence to monitor unauthorized connections to the energy supply of consumers."

Due to the fact that the university is actively working towards the widespread implementation of the policy of academic integrity, the university has developed a "Regulation on conducting inspections of scientific works of teaching staff for plagiarism in 2023." All written works of students (scientific articles, essays, dissertations, etc.) are checked through the plagiarism program "Strike Plagiarism".

JSC K.Kulazhanov KazUTB supports and systematically implements the state's anti-corruption policy in the field of education.

Based on the "Anti-Corruption Program 2015-2025" and the Anti-Corruption Strategy of the Republic of Kazakhstan for 2015-2025, the University has developed and approved the "Anti-Corruption Standard", "Regulation on the Anti-Corruption Program", "Regulation on Academic Integrity" https://kaztbu.edu.kz/ru/kazutb-protiv-korrupcii

The heads of all levels of the university's management system bear full responsibility for actions of a corrupt nature on the part of subordinate staff and teaching staff, who are required to create an environment of intolerance to any facts of corruption and timely information about the identified facts.

All employees and students of the university have the opportunity to contact the Ethics Commissioner and the anti-corruption officer on issues of interest to them. If the content of the complaint requires further consideration, it is referred to the ethics commission, which collects information and prepares materials.

If conflicts arise at different levels, an official memo is submitted to the chairman of the Commission for the prevention and control of offenses, after which this issue is submitted to a meeting of the commission, and measures are taken based on the results of the decision.

Complaints and claims of undergraduates received as a result of an anonymous survey and during meetings with the university administration are necessarily recorded, and the information is analyzed at various levels of the university (advisors – department – vice-rector - rector), after which appropriate decisions are made.

The plan EP 7M07188- Automation and Control has been prepared based not only on market needs, but also on current trends in the introduction of artificial intelligence, machine learning, and the Internet of Things technologies into industrial production and other sectors of the Republic of Kazakhstan, as well as global processes of science and technology development. When developing the EP, the criteria for selecting employers were based on an analysis of the level of management of production processes, the degree of automation, and the application of ISO standards at the enterprise.

The EP has only started its activities this year. The first graduation of undergraduates in EP will take place in 2026. Changes can be made to the EP in terms of places for scientific internships, and the number of credits in basic subjects can be changed, if necessary. All changes in the EP will be in accordance with the requirements of the market, the degree of satisfaction of

undergraduates with the subjects studied, and changes in the context of educational standards.

During the development of EP 7M071188 - "Automation and control", special attention was paid to the supervision of educational programs for undergraduates by various universities in Astana (ENU, KazATU). The analysis showed that the number of graduates does not meet the requirements required in the labor market for category 7 specialists, in the utilities sector, energy enterprises, and industrial production in the region. In this regard, the prospects of EP are not only in demand, but also relevant. The EP has distinctive features from the EP of other companies that train only narrow specialists (energy, agriculture). The presented EP allows our future graduates to work in any industry, private business, scientific field, etc.

There are Quality Assurance Commissions (QCs) at each faculty of the university. The activities of the COC are aimed at improving the quality of the educational process at all levels of education and implemented educational programs. The COC analyzes the relevance of the OP based on the results of employed graduates, monitors and makes suggestions for improving the OP, organizes work to improve the quality of educational and methodological support and continuity of educational levels of the EP: curricula, work programs of disciplines, professional practice programs, QED. The COC is working to increase the competitiveness of the EP based on the analysis and implementation of the best international and domestic experience in the content and technology of the EP implementation. The COC reviews and discusses the results of the annual survey of undergraduates with satisfaction with the quality of teaching "Teacher through the eyes of students." The results of the conducted surveys are used in drawing up a strategic plan for the further development of the department and for developing measures to improve the quality of education. Based on the work carried out, the chairmen of the COC annually submit to the UMS a draft update of the EP for the next academic year. The KOC of the Faculty of Technology includes K.M. Akishev, Candidate of Technical Sciences, assistant Professor (researcher).

In the field of ensuring the quality of an educational program, it is a mandatory procedure for experts from partner employers to participate in the discussion of the EP. Employers are directly involved in the design and implementation of the EP. The quality assurance commission includes production workers from leading enterprises and organizations with which contracts and agreements have been concluded for the implementation of joint educational activities. Employers are required to attend the meetings of the COC, who make their proposals to the content of the EP, training programs of disciplines and professional practice programs. The basic education of the teaching staff corresponds to the subjects taught.

The management of JSC K.Kulazhanov KazUTB, the President and the Rector are open to communication, both with students and teachers, through the Rector's office, through personal communication.

JSC K.Kulazhanov KazUTB annually holds meetings with employers, round tables are organized, where they are informed about the quality of implementation and prospects for the development of educational programs of JSC K.Kulazhanov KazUTB. Employers and students are members of Academic commissions and industry councils, whose work agenda necessarily addresses issues of the internal quality assurance system.

The analytical part

The internal quality assurance policy is an integral part of the structure, procedures and processes necessary for quality management. Based on the analysis of the quality assurance policy published on the document's website, it can be concluded that this document reflects the relationship between scientific research, teaching and learning.

The results of the survey of students, graduates and teaching staff, their questionnaires, the study of the development plans of the EP, reports, minutes of the department's meeting, confirms the transparency of the development of the EP, demonstrates the successful functioning of the mechanism for developing, approving, monitoring and making changes to the development plan of the EP, their compliance with the expectations of students and employers, the state programs of Kazakhstan and the Ministry of Education and Science of the Republic of Kazakhstan in the field

of education.

The presented memoranda with partners prove the active work on expanding academic ties and strengthening the commitment to quality assurance policy by both the university and its partners.

The university presented a published quality assurance policy, taking into account current trends in the development of science and technology, as well as the relationship between social institutions and the scientific community through the interaction of university structures.

The EP development plan contains clear sections and parameters that determine the development of the accredited EP, however, not all parameters have measurable values and established criteria. When adjusting and updating the EP development plan, many stakeholders are involved, from students to representatives of the business community.

However, the members of the Higher School of Economics note a weak expression of the uniqueness of the accredited EP in terms of its specific areas of application, and competitive advantages in comparison with similar EP of national and international universities are also not highlighted. As well as the EP development plan itself, it needs to be updated in detail to identify the unique, innovative sides of the EP and use these advantages in the implementation of marketing policy.

The structure of the university is clear with an obvious distribution of responsibilities according to the solution of the necessary strategic objectives for the development of the university and the accredited educational institution. The university's management has a hierarchical structure with built-up vertical and horizontal interaction.

The members of the WEC, despite the SWOT analyses presented in the report for each of the standards, note the lack of transparency of risk management and the lack of structuring of the decision-making procedure to reduce the negative impact of risks on the implementation of accredited EP.

During the analysis of the development plan and the content of the accredited EP, the WEC members note the presence of signs of an innovative approach to the development of EP, however, there is no section of the EP development plan describing the innovative development of EP and its digital transformation.

The university management has demonstrated its accessibility to many categories of participants in educational relations, as well as its regular work to improve competencies in the field of education management through advanced training.

A survey of teaching staff conducted during the visit of the IAAR IEC showed that the involvement of teaching staff in the process of making managerial and strategic decisions is "very good" and "good" – 38.5% (25 people) and 56.9% (37 people), respectively. 4.6% (3 people) of teaching staff rate the involvement of teaching staff in the process of making managerial and strategic decisions "relatively poorly".

Strengths/best practices for EP 7M071188 - Automation and Control:

- not identified.

Recommendations for EP 7M071188 - "Automation and control"

- To analyze and adjust the EP development plan in terms of identifying a separate component that determines its uniqueness in the educational services market and its development prospects (Deadline: 01.01.2026)

- To the university management, together with the head of the EP, to rework the risk management procedure and methods for reducing the negative effects of these risks on the implementation of the EP (Deadline: 01.09.2025)

- To supplement The development plan contains a section containing innovations, as well as the analysis and implementation of innovative proposals from all stakeholders (Deadline: 09/01/2026)

Conclusions of the WEC according to the criteria:

According to the standard "Educational Program Management", EP 7M071188 - "Automation and Control" has 12 satisfactory positions and 3 suggesting improvement.

6.2. The Information Management and Reporting Standard

The NGO must demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools, and that it uses a variety of methods to collect and analyze information in the context of the EP

The management of the EP should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.

The management of the EP should demonstrate fact - based decision - making

A regular reporting system should be provided within the framework of the EP, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of departments and departments, and scientific research.

The NGO should establish the frequency, forms and methods of evaluating the management of the EP, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects

The NGO must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of those responsible for the accuracy and timeliness of information analysis and data provision

An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.

The management of the educational institution should demonstrate the existence of a mechanism for communication with students, employees and other stakeholders, as well as conflict resolution mechanisms.

The NGO should demonstrate the existence of mechanisms for measuring the degree of satisfaction of the needs of teaching staff, staff and students within the framework of the EP

The NGO should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the EP

The information intended to be collected and analyzed within the framework of the EP should take into account:

key performance indicators

, the dynamics of the student body in terms of forms and types

, the level of academic achievement, student achievements and

graduation, student satisfaction with the implementation of the EP and the quality of education at the university availability of educational resources and support systems for students

The NGO must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documented consent.

The evidentiary part

The content of the Master's degree program 7M07188 – "Automation and Control" reflects the current level of development of scientific knowledge necessary for a specialist in his future activities, and is largely ensured by coordinating educational programs with employers.

At the same time, the content of the educational program is developed taking into account the Dublin Descriptors and the European Qualifications Framework and is implemented through curricula (standard, individual and work) and programs (standard and syllabuses). All OAS are based on the Standard curriculum of the specialty for three levels of study with a list of subjects of the OK, approved by the Ministry of Education and Science of the Republic of Kazakhstan. The list of elective component disciplines is formed taking into account pre- and post-requirements and the opinion of employers. Curricula are developed in the following forms: working curricula (WC); individual student curricula (IEP).

The content and logic of the educational program are based on the regulatory requirements of the Ministry of Education and Science of the Republic of Kazakhstan and the internal rules of the University. When forming educational programs, the faculty and the department use scientifically based approaches to planning, methodological support, and teaching technologies.

EP 7M07188 – "Automation and control" consists of 2 main sections: the passport and the content of the educational program.

The content of the educational program 7M07188 – "Automation and Control" was developed on the basis of the state mandatory standard of higher and (or) postgraduate education of the Ministry of Higher Education of the Republic of Kazakhstan (with amendments and additions as of 03/06/2023) and the regulations on the development of educational programs of JSC K.Kulazhanov KazUTB. According to the educational program 7M07188 – Automation and

Control, 88 credits were allocated for theoretical studies, the undergraduate's research work, including internships and the completion of a master's thesis, 24 credits, and the final certification -8 credits.

JSC K.Kulazhanov KazUTB has a system for collecting and analyzing external and internal statistical and analytical data, as well as facts, to make informed decisions for relevant decisions within each EP. All data is accumulated on the Platonus platform and, if necessary, it is possible to receive data on various requests within the framework of the EP.

Each department of the University, according to its own standards, provides sufficient information that is transparent and reliable. At the same time, information and reporting on each EP is entered and changed in real time, both during the main training process and during additional sessions.

Each teaching staff and training staff of JSC K.Kulazhanov KazUTB has a username and password in the Platonus platform.

Entering student data is an advisor's function. After the admission of the master's student (on a fee or grant basis), the data for each student is entered into the Platonus platform.

All information concerning students is stored on the server of JSC K.Kulazhanov KazUTB are made by the adviser, academic performance data is provided by the leading teaching staff disciplines.

The registrar office monitors student performance, transfers, academic vacations, academic mobility, and more.

Data on the number of employed graduates are formed on the basis of a survey by the advisors of the groups and the correct data for each graduate individually, which takes into account the correspondence of the place of work with the acquired qualifications.

Statistical data on various topics (contingent, account, debt, etc.) can be obtained on request or not mediocre at the registrar's office.

After passing the competition for vacant teaching staff positions, the HR department enters information on each teaching staff into the database.

The data on the personnel composition of the teaching staff is form 5, generated directly in the personnel management department.

The main criterion for teaching staff when applying for a job is compliance with qualification requirements.

Teaching staff data is entered by everyone into their portfolio on the Platonus platform (information on subjects taught, publications, patents, copyright certificates, advanced training, and more).

Information on academic mobility and concluded international agreements is accumulated in the Department of International Relations and not only on the University's website.

Each employee, faculty member, and student of the University takes an active part in the formation and collection of data that allows analyzing business processes, predicting and making management decisions to improve the effectiveness of the educational process. When applying for a job, the teaching staff fills in the data of their Portfolio, periodically updating and replenishing them as needed, all information is confirmed by links to sources, prints of articles and documents. The responsibility for completing the Portfolio lies with the teaching staff.

The university annually, at the end of the academic period, conducts a rating of the effectiveness of teaching staff, according to the results of which the most valuable employees with the highest score are determined, both within the framework of the EP and JSC K.Kulazhanov KazUTB as a whole.

Information about the employment of graduates of JSC K.Kulazhanov KazUTB is constantly formed, stored in a database and monitored as part of the Atameken rating and is freely available.

Scientists of JSC K.Kulazhanov KazUTB, undergraduates participating in grant projects as executors, have constant access to educational and scientific literature of the university, scientific seminars and round tables are held with the participation of representatives of regional and foreign universities in order to exchange hypotheses, solutions to common scientific problems, joint

publications, academic mobility of students and Teaching staff.

In particular, currently, for 1st-year undergraduates, he lectures on the subject "Software tools in the control automation system", PhD, PhD, Professor Biybosynov B.B., KSU named after I. Arabaev, Bishkek, Kyrgyzstan,

PhD, Assistant Professor (researcher) Akishev K.M. teaches a course of lectures at KEU, on the module "Digital tools of the 4th industry in economics".

All teaching staff of the EP have completed 72-hour advanced training courses in the subjects taught. Among them, K.M. Akishev, A.D. Tulegulov, B.A. Serimbetov, were trained on the topic "Intelligent production management systems" in January 2025 at Astana ceramic LLP, which is one of the country's flagships in the field of production automation.

The analytical part

Analyzing the content and semantic load of the standard "Information Management and Reporting" in accredited areas, the commission notes as a positive point that the university has an information and reporting management system for student recruitment, academic performance, contingent movement, and personnel, which is presented in regular reports at meetings of departments, the rector's Office, and the Academic Council of the university.. Regular surveys of students and employers are conducted and, based on the results of their surveys/interviews, appropriate measures are taken to eliminate deficiencies.

At the same time, the Commission of the Higher Economic Commission notes that according to the submitted Survey Plan for the 2024-2025 academic year, approved by the President -Rector of K.Kulazhanov KazUTB S.Baibekov dated 08/29/2024, it is planned to conduct a survey of teaching staff regarding satisfaction with the implementation of the educational program and working conditions (a survey is planned "Satisfaction of teaching staff with the university from 02/17/2025 to 03/03/2025However, according to the results of the analysis of the reporting materials, the university did not provide supporting data on the conduct of such a survey and its results. The lack of information in this area does not allow us to fully assess the effectiveness of the internal quality assurance system and take into account the opinion of teaching staff in the management of the educational program.

A survey of students conducted during the visit of the IEC IAAR showed that 83.1% (58 people) were completely satisfied and 14.1% (10 people) were partially satisfied with information about courses, educational programs and academic degrees.

Strengths/best practices of EP 7M071188 - "Automation and control":

- not identified.

Recommendations for EP 7M071188 - "Automation and control":

- The university management should ensure the implementation of planned activities for the survey of teaching staff and provide the results of the analysis as part of the reporting on the EP. And also to conduct a survey in a timely manner, followed by the publication of its results and the development of solutions to respond to proposals received during the survey (Deadline: 09/01/2025)

Conclusions of the WEC according to the criteria:

According to the Educational Program Management standard, EP 7M071188 - Automation and Control has 15 satisfactory positions and 1 requires improvement.

6.3. The standard "Development and approval of the educational program"

The NGO should define and document procedures for the development of the EP and their approval at the institutional level

The management of the EP should ensure that the content of the EP meets the established goals, including the expected learning outcomes

The management of the EP should demonstrate the existence of mechanisms for reviewing 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 management of the EP should ensure that there are developed models of the graduate of the EP that describe learning outcomes and personal qualities.

The management of the EP must demonstrate the conduct of external examinations of the content of the EP and the planned results of its implementation

The qualifications awarded upon completion of the EP must be clearly defined and correspond to a certain level of NSC and QF-EHEA

The management of the educational institution should determine the impact of disciplines and professional practices on the formation of learning outcomes

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

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

The management of the educational program should ensure that the content of academic disciplines and planned results correspond to the level of study (bachelor's, master's, doctoral studies)

. The educational program structure should provide for various types of activities that ensure that students achieve the planned learning outcomes.

An important factor is the correspondence of the content of the EP and the learning outcomes of the EP implemented by organizations of higher and (or) postgraduate education in the EHEA.

The evidentiary part

The EP development system consists of the following procedures: ops are developed in the context of a competency-based training model for credit technology training. At the same time, the EPS are structured according to the principle of modular training. The developed EP is reviewed at the department meeting and, by the decision of the department meeting, is sent to the Quality Assurance Commission of the Faculty of Technology for analysis and decision-making, as well as for consideration and approval by the Quality Assurance Committee of JSC K.Kulazhanov KazUTB Preparation of a working curriculum at the department and its discussion with the participation of employers; preparation of a set of EP documents (WC, CED); review of EP by external reviewers. The Faculty's Quality Assurance Commission, together with strategic partners (employers) and students, conducts the examination and approval procedure for the assessment (through presentations, round tables, seminars, etc.). If a positive decision is made, the Quality Assurance Commission of the Faculty of Technology recommends approval to the Internal Quality Assurance Council, then the report is reviewed by the Academic Council and approved.

In order to successfully implement EP 7M07188 – "Automation and control" and ensure the successful positioning of the specialty in the labor market, updating programs is being considered. The function of employers: at the meeting of departments, they express their opinion on the compliance of the EP with the profile of the specialty and the requirements of the labor market, the inclusion of new disciplines and the exclusion of disciplines that have lost their relevance. As part of these activities, there are job fairs, meetings with company representatives, seminars, and round tables with the participation of graduate students.

When forming working curricula, their content, the complexity of the theoretical and practical components of training, and the final assessment module are taken into account. Students, with the help of advisors, form IUPMS, in accordance with the TUP and the CED, on the basis of which annual guidelines are drawn up for one academic year. The basis for an unscheduled revision of the EP may be: changes in the state educational standard, changes in the specialty; changes in the requirements of the labor market. When developing the EP, the EP of Universities (ENU, KazATU) of Astana and the region, the number of industrial enterprises, private business entities, opportunities and implementation of plans for the statistical development of Astana until 2050 were analyzed.

In accordance with the strategy and mission of JSC K.Kulazhanov KazUTB, the educational program 7MB07188 – Automation and Control provides the following graduate model:

- High professionalism in the field of operation and design of electronic equipment, electronic complexes and systems for various purposes;
- Emotional intelligence;
- Adaptability to global challenges;
- Leadership;
- Analytical thinking;
- Global citizenship;
- Understanding the importance of principles and culture of academic integrity;
- Entrepreneurial thinking;
- Communication competencies;
- Learning skills necessary for independent continuation of further education.

The EP is consistent with the Dublin descriptors, in accordance with the European Qualifications Framework, and takes into account: study: GSO EP, etc. (requirements: to the

results, to the structure, to the conditions of implementation), etc.; needs (state and social order, individual needs of the individual); algorithm of formation of the EP: preparatory stage (organization of a working group, study of regulatory documentation, etc.); main stage (analysis of the results of educational activities, resources and conditions of the university, development "graduate models; the structure of the EP (target–the goal, objectives, planned results, evaluation system; substantive – the program for the development of the EP, discipline programs, etc.; organizational–the UP and the conditions for the implementation of the EP); the final stage (self-examination, adjustment of the P, discussion, approval of the EP.

The graduate verification procedure as an internal process is carried out at the department during the preparation and defense of the master's thesis, passing a comprehensive examination in the specialty. At the same time, the assessment of the compliance of the competencies obtained by the graduate is made collectively by the final certification commission, which is usually chaired by leading scientists, managers, and specialists in the field of information and communication technologies with extensive scientific and industrial experience. To the extent that a young specialist applying to work in an organization in the field of his specialty corresponds to the developed graduate model, the conclusion is given by the employers (validation procedure).

Upon completion of the educational program 7M07188 – "Automation and Control", graduates are awarded an academic degree - "Master of Engineering and Technology".

Educational programs define a list of disciplines combined into cycles (modules): DB, PD, which include research and pedagogical practices. The DB and PD cycles consist of the disciplines VK and KV. According to the DB and PD cycles, the list of VK and KV disciplines is determined by the university independently. Pre- and post-requirements for DB and PD cycles are presented in reports, logical and structural analysis is carried out in QED disciplines. The participants are: Teaching staff who meet the qualification requirements, employers, students, etc. Discussions are held according to the established rules. The correspondence of the name and content of the CAD disciplines in the relevant areas of the EP is reflected in the development plan of the EP, in the action plan for the development of the EP, which takes into account the needs of the state, society and the region. The analysis is carried out regularly at department meetings, at meetings with representatives of employers (seminars, lectures, at the IAC meeting, etc.), according to students and graduates (during questionnaires).

The content of the disciplines of the DB and PD cycles corresponds to the profile of trained specialists in the field of engineering, processing and construction. The disciplines of the theoretical cycle are further consolidated in the course of professional practice. The logic of academic interrelation of disciplines is determined by a system of pre- and post-requirements.

The university develops working documents, one of the main of which is the working curriculum (WC). Curricula are developed on the basis of State mandatory standards of higher and postgraduate education and Rules for the organization of the educational process on credit technology of education in educational programs of higher and postgraduate education for the entire period of study. https://kaztbu.edu.kz/ru/normativnye-dokumenty

In accordance with the State Educational Standard of the Republic of Kazakhstan, the curricula maintain the ratio of the volume of disciplines of the cycles of basic disciplines (DB) of the university component and the elective component; the cycle of profile disciplines (PD), including the university component and the elective component.

The content and structure of the accredited EP is formed in accordance with the requirements of the Standard Rules for the Activities of Organizations of Higher and Postgraduate Education of the relevant types, approved by Order of the Minister of Science and Education of the Republic of Kazakhstan dated October 30, 2018 No. 595 (with amendments and additions as of 09/25/2020), the State Educational Standard of the Republic of Kazakhstan, approved by Order of the Minister of Science and Education of the Republic of Kazakhstan as of as of July 24, 2020, No. 607, Rules for the organization of the educational process in organizations of higher and postgraduate education on credit technology of education, approved by the Order of the Minister of Science and Education and Science No. 1334 dated 07/25/2023 with corresponding amendments thereto (as of

07/25/2023).

For successful entry into the global educational space, the introduction of credit technology of education in JSC K.Kulazhanov KazUTB made it possible to adequately assess the academic degrees of the educational sphere of the Republic of Kazakhstan and make them recognized. Of particular importance is the adoption and introduction into the higher education system of the EuropeanCreditTransferSystem (ECTS) credit system or another ECTS-compatible system that provides both a transfer and cumulative function and guarantees the recognition of academic diplomas for studying abroad.

The educational program 7M07188 – "Automation and Control" implemented at JSC K.Kulazhanov KazUTB is based on the State mandatory Standards of higher and (or) postgraduate education approved by the order of the Minister of Science and Education of the Republic of Kazakhstan https://www.kaznpu.kz/docs/docs/2_rus_merged.pdf and the regulations on the development of educational programs. https://kaztbu.edu.kz/ru/normativnye-dokumenty.

According to the educational program, there is a curriculum, a schedule of the educational process, an academic calendar, a catalog of elective subjects and a working curriculum for the entire period of study, compiled in accordance with the established procedure. The educational program includes the corresponding cycles of disciplines: basic and profile disciplines. Each cycle consists of the disciplines of the compulsory component, the university component and the elective component.

The EP and QED are developed by a working group consisting of the faculty of the department, students and employers. This educational documentation is discussed at a meeting of the department, reviewed at a meeting of the Quality Assurance Commission of the Faculty of Technology and approved by the Educational and Methodological Council of JSC K.Kulazhanov KazUTB

The total amount of training under the educational program 7M07188 – "Automation and Control" is at least 120 academic credits. All types of practices are carried out in accordance with the requirements of the legislation of the Republic of Kazakhstan in the field of education, as well as the university rules for the organization and conduct of professional practice and the definition of enterprises as practice bases. For students of the master's degree (scientific and pedagogical), the duration of study is 2 years, research practice is 9 credits, teaching practice -2 credits, research internship -24 credits, final certification - 8 credits.

The procedure for conducting all types of practices is regulated by the relevant Regulation "On Professional Practice". https://kaztbu.edu.kz/ru/normativnye-dokumenty

The purpose of the research practice is to consolidate the theoretical and practical knowledge gained at the university and to familiarize with the organization and technology of production within the framework of the dissertation research. For the effective implementation of the practical activities of undergraduates during their training, the university management cooperates with enterprises to conclude cooperation agreements on the possibility of scientific internships and practice bases.

For today, contracts have been concluded with Astanaceramics LLP, EcostroiNII-PV LLP, which have technological equipment, laboratories, and facilities for conducting experiments.

The management of the practice from the University is carried out by teachers who have the appropriate qualifications to guide undergraduates.

The heads of the production practices ensure that the master's student completes the internship and internship programs in full. with the university during the internship period.

The main requirements for the content of professional practice are set out in the program of practices and methodological guidelines for practice developed by the department. Undergraduates are sent to practice in accordance with the order of the President - Rector, which determines the host organization, the head of the department and the duration of the internship. Students are given an internship program and an individual assignment, as well as report forms (practice diary, report form) and other necessary documents.

At the end of the research internship, he prepares a report in accordance with the requirements set out in the work program, which he defends on time. Students defend their reports to the commission. The commission consists of teaching staff leading classes and leading undergraduates. The results of the report protection are evaluated according to a point-rating letter rating system. The final practice score is taken into account when calculating the GPA. The results of professional practice are discussed at conferences on the results of practice organized by the department. The general results of the practice are summarized at the faculty council.

JSC K.Kulazhanov KazUTB has a documented procedure "educational and methodological support of the discipline" and a documented procedure "structure and requirements for the design of the discipline's work curriculum (syllabus) JSC K.Kulazhanov KazUTB has a documented procedure "educational and methodological support of the discipline" and a documented procedure "structure and requirements for the design of the discipline's work curriculum (syllabus)". This procedure defines the structure, content and procedure for the design of educational and methodological support for the discipline as the main document regulating the educational process in the context of credit technology of education, taking into account the requirements of the Law of the Republic of Kazakhstan "On Education", state mandatory stand procedure defines the structure, content and procedure for the design of educational and methodological support for the discipline as the main document regulating the educational process in the context of credit technology of education, taking into account the requirements of the Law of the Republic of Kazakhstan "On Education", state mandatory standards of higher and postgraduate education, and other regulations and rules in the field of higher and postgraduate education in JSC K.Kulazhanov KazUTB ". The educational program 7M071188– "Automation and control" is fully provided by UMOD. The educational and methodological support of the discipline and the syllabus are discussed at a meeting of the Department and the Quality Assurance Commission of the Faculty of Technology, approved by the Dean of the Faculty. Educational and methodical complexes and a syllabus for the approved discipline are placed in the Platonus automated information system.

The development of educational programs on EP 7M0718The development of educational programs on EP 7M07188 – "Automation and control" involves teaching staff who meet the qualification requirements for undergraduates, as well as representatives from production and undergraduates. The elective subjects included in the curriculum of the program are selected in connection with changes in the modern educational process, market demand, offers from employers and students.

According to the needs of the market and employers, changes may be made to the EP. The EP is According to the needs of the market and employers, changes may be made to the EP. The EP is reviewed by employers in order to obtain objective data on quality and relevance.

The dean's office, the department, students, and employers work in cooperation to ensure the quality of educational programs. A special working group has been created at the department, the composition of which was approved at the meeting of the department and formalized in the minutes of the meeting (Protocol No. 7 dated 02/10/2023).

When developing educational programs, the working group determines the list of subjects included in the curriculum, taking into account the needs of employers, clarifies their summary, goals and expected results.

Currently, the issues of implementing a 2-degree education program with leading universities of the Kyrgyz Republic (ASU named after I. Arabaev, KSTU named after I. Razzakov) are being resolved.

In order to improve and ensure the quality of educational programs, a critical analysis and exa improve and ensure the quality of educational programs, a critical analysis and examination of the developed educational programs is carried out with the participation of employers for compliance with the needs of the labor market, the use of educational technologies, including methods for evaluating student achievements, as well as taking into account the relevance of this program. According to EP 7M07188 – "Automation and control", an external review of EcostroyNII-PV LLP was conducted.

The quality assurance policy of the educational program 7M07188 – "Automation and Control" is reflected in the strategic plans of the University, as well as in the development plan of EP 7M0718quality assurance policy of the educational program 7M07188 – "Automation and Control" is reflected in the strategic plans of the University, as well as in the development plan of EP 7M07188 – "Automation and Control".

The analytical part

An analysis of accredited educational programs for compliance with the criteria of the standard "Development and approval of an educational program" shows that the content of educational programs, the sequence of their implementation, and the depth of development in all educational programs require improvement in accordance with regulatory documents and labor market requirements.

During the interviewing of focus groups and the analysis of documentation, the Commission of the Higher Attestation Commission notes the lack of clearly defined requirements for participants in the review process of educational programs. The available methodological documents do not specify the criteria for selecting employer representatives, which creates risks of insufficient representativeness and effectiveness of their participation in the process of developing and approving the EP. This may affect the quality and practical orientation of the programs.

The presented graduate model reflects to a residual extent the current state of the labor market, while it is necessary to continue monitoring the changing external conditions for the implementation of accredited educational programs.

During the interview, it was revealed that the training of students is at a good level, however, students noted that the training process does not provide for the possibility of professional certification, there are no links with certification centers.

The management of the EP has shown wide involvement of interested parties to participate in the development and updating of the accredited EP, however, during interviews with students, the members of the Higher School of Economics note the insufficient level of practical training of students, and the weak application of dual learning approaches.

A survey of teaching staff conducted during the visit of the Higher School of Economics of the Russian Academy of Sciences demonstrated a satisfactory assessment of 27.7% (18 people) of the university's leadership's attention to the content of the EP. At the same time, the content of the EP "very well" meets the needs of 70.8% of the teaching staff, relatively poorly 1.5%. A survey of students showed that 81.7% were fully satisfied with the quality of the educational program as a whole; 18.3% (13 people) were partially satisfied.

Strengths/best practices of EP 7M071188 - "Automation and control":

- not identified.

Recommendations for EP 7M071188 - "Automation and control":

- The management of the P, in order to conduct professional certification of students, develop an action plan for students to complete such certification (Deadline: 01.09.2025)

- Consider the possibility of increasing the share of practical training in the structure of the PLO, as well as develop a plan for the introduction of dual training (Deadline: 01.01.2026)

Conclusions of the WEC according to the criteria:

According to the Educational Program Management standard, P 7M071188 - Automation and Control has 10 satisfactory positions and 2 suggest improvement.

6.4. The standard "Continuous monitoring and periodic evaluation of educational programs"

The NGO should define mechanisms for monitoring and periodic evaluation of the educational process to ensure that the goal is achieved and the needs of students and society are met, and show the focus of the mechanisms on continuous improvement of the educational process.

Monitoring and periodic evaluation of the educational program should include:

the content of the program in the light of the latest scientific achievements in a particular discipline to ensure the relevance of the discipline being taught

, changes in the needs of society and the professional environment

, the workload, academic performance and graduation of students

, the effectiveness of student assessment procedures.

expectations, needs, and satisfaction of students with EP training

the educational environment and support services, and their compliance with the goals of the EP

The management of the EP should demonstrate a systematic approach in monitoring and periodically evaluating the quality of the EP

OO, the management of the EP should determine a mechanism for informing all stakeholders about any planned or undertaken actions regarding the EP

All changes made to the EP must be published.

The evidentiary part

Constantly changing working conditions, the introduction of AI and Internet of Things technologies into everyday life and production set high standards for the quality of graduates not only for employers, but also for educational institutions.

In this regard, JSC K.Kulazhanov KazUTB continuously monitors EP and evaluates them. This information is announced, as at the meetings of the departments, the faculty COC and the SOC of JSC K.Kulazhanov KazUTB

The results of the boundary and final controls are recorded in the AIS "Platonus", where lists of mastered disciplines and transcripts of students are generated. The student's personal growth and development in the learning process is monitored in AIS Platonus by generating a GPA score based on the results of the semester and for the entire period of study. The acquisition of the expected learning outcomes by graduates of the EP is ensured by mastering 120 credits of study, passing state exams and defending their dissertation work. Quality assurance of graduates is carried out by assessing the knowledge, skills acquired during the study of the discipline during the current, boundary and final control. Undergraduates who have not achieved 50% of the rating or final control, study in an additional summer semester on a fee-based basis. In order to improve the quality of educational services, the:

- monitoring the quality of the organization of the educational process, which involves an assessment of the mechanisms of implementation of the educational program, taking into account the requirements of state standards of education, standard rules of higher education institutions, and is carried out by a commission in the process of self-assessment.;

- monitoring of the quality of teaching disciplines, which involves assessing the development of the methodological system at the Institute as a whole and the level of scientific, methodological, laboratory and technical support for specific disciplines of the curriculum and is carried out as part of control visits to classes by heads of departments, members of the department, representatives of the educational and methodological council, members of special commissions on the quality of implementation of the curriculum.

Undergraduates at the end of 1 year of study undergo a scientific internship at the enterprises of the city and accredited organizations. An agreement was signed with Astana ceramic LLP in August 2024 to complete a scientific internship.

Each department, on an ongoing basis, carries out work primarily related to students' satisfaction with the quality of education, the qualifications of teaching staff, and the material and technical base.

In this regard, the management of JSC K.Kulazhanov KazUTB pursues on an ongoing basis a policy of purchasing educational and other literature, purchasing equipment, computing and other equipment, and paying for advanced training courses for teaching staff.

CEOs regularly hold meetings and round tables with partner enterprises, where the prospects for graduate employment are discussed, sufficient conditions are needed for the educational process, opportunities and ways to update the CE departments.

JSC K.Kulazhanov KazUTB invites foreign scientists to give lectures, participates in scientific and methodological conferences in order to familiarize the academic community with innovations, new teaching methodologies, existing problems and ways to solve them.

The constant influx of new teaching staff to JSC K.Kulazhanov KazUTB provides fresh ideas and opportunities not only to improve the presentation of educational materials, but also to

apply modern information technology achievements in the educational process.

The academic mobility of the faculty of the department, scientific ties with the academic community, make it possible to use the innovations of foreign universities to improve and update the teaching staff, apply modern teaching methods and methodologies in order to better obtain knowledge for students.

This contributes, first of all, to improving the academic performance of undergraduates, the use of new academic disciplines, and increased interest and respect for their chosen profession.

The corresponding changes in the EP require all services of JSC K.Kulazhanov KazUTB to have a better attitude to the functionality and ensure all requests from the department to ensure the educational process in the EP.

All changes to the EP are coordinated, first of all, with employers, discussions are held in the academic community of the University and are publicly available on the website of JSC K.Kulazhanov KazUTB

At the same time, during the implementation of the educational process, undergraduates are surveyed on an ongoing basis with a degree of satisfaction, updated by the EP.

Academic performance and all achievements of undergraduates are stored in the Platonus database. Each teacher leading the EP classes has access to give grades and check the completion of assignments by undergraduates. Undergraduates have access to their personal account and can view their grades, class schedules, the ability to select a component, teacher, etc.

The analysis of the survey results, the degree of assimilation of the educational material, the performance of independent work, occurs on an ongoing basis and reveals how successfully or unsuccessfully certain changes have been made to the curriculum, what adjustments are needed, as well as the potential abilities of undergraduates in mastering disciplines and fulfilling individual plans by undergraduates.

Any information on changes and additions to the EP is discussed at a meeting of the department with the participation of employers, and then submitted for approval to the faculty's COC. Updated EP data are published on the University's website for each department.

Students' assessment of the EP takes place on the basis of a questionnaire, as a result, decisions are made related to improvements or additions to the EP.

The content of the EP is reviewed once a year, and changes are made to the EP and the CED based on the decision of the Academic Council on the recommendations of interested parties (employers, teaching staff, students).

The analytical part

The analysis of the procedures for monitoring and periodic evaluation of educational programs is carried out on the basis of: an analysis of curricula, a catalog of elective subjects, individual program plans for students, internal regulatory documents regulating the implementation of educational programs, their monitoring and evaluation; minutes of collegial bodies and meetings of departments; interviews and questionnaires of students, teaching staff and stakeholders; the results of observations of the activities of educational services support services.

At the same time, the Commission notes that this standard does not fully reflect the issues of informing stakeholders about any planned or undertaken actions in relation to EP. During the analysis of the university's website and departments, it was found that only current versions of the CAD educational programs and development plans are publicly available. The lack of an archive of changes and previous editions of the EP on the website does not allow us to fully trace the dynamics and logic of the changes made to the programs, and also makes it difficult for an external assessment of the transparency and effectiveness of the EP improvement process.

In addition, the members of the WEC note the need to develop regulations for updating information on the university's website, including the publication of planned and accepted changes to the accredited EP.

Strengths/best practices for EP 7M071188 - Automation and Control:

- not identified.

Recommendations for EP 7M071188 - «Automation and control»:

- To develop an algorithm for informing all interested parties about any planned or undertaken actions regarding the EP through all available information channels (Deadline: 09/01/2025)

- Consider the possibility of supplementing the university's website with a section for publishing all changes accepted for the EP (Deadline: 01.01.2026)

Conclusions of the WEC according to the criteria:

According to the Educational Program Management standard, EP 7M071188 - Automation and Control has 8 satisfactory positions and 2 suggest improvement.

6.5. The standard "Student-centered learning, teaching and assessment of academic performance"

The management of the educational institution should ensure respect and attention to different groups of students and their needs, and provide them with flexible learning paths.

The management of the educational institution should provide for the use of various forms and methods of teaching and learning

An important factor is the availability of own research in the field of teaching methods of academic disciplines .

The management of the educational institution should demonstrate the availability of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes

The management of the educational institution should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher .

The management of the educational institution must demonstrate the existence of a procedure for responding to student complaints

The NGO should ensure the consistency, transparency and objectivity of the learning outcomes assessment mechanism for each EP, including the appeal

The NGO should ensure that the procedures for evaluating the learning outcomes of the students of the EP correspond to the planned results and goals of the program, and publish evaluation criteria and methods in advance.

The NGO should define mechanisms to ensure that each graduate of the educational institution achieves learning outcomes and ensures the completeness of their formation .

Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly upgrade their skills in this area.

The evidentiary part

JSC K.Kulazhanov KazUTB implements training in master's degree programs EP 7M07188 – "Automation and Control". Students, regardless of the language of instruction, are given the opportunity to choose a specific educational trajectory in accordance with their life attitudes, abilities and capabilities. All educational and methodological documentation is compiled in three languages: catalogs of elective subjects, WC, UMOD, work programs, syllabus, IUPM, exam tickets are compiled in the language of instruction.

To ensure the harmonious development of students, taking into account their intellectual development and individual characteristics, the implementation of student-centered educational programs takes into account the needs of students, maintaining flexible curricula and providing students with the opportunity to determine their own forms of study, allow them to make their own decisions in building their studies, and also contribute to increasing responsibility for their own learning, which is reflected in the requirements for teaching, as well as teaching in general. The design of the educational program is based on a student-centered approach, which involves the use of such categories as individual learning trajectory, academic mobility, competencies, learning outcomes, ECTS, etc. Professional and academic orientation is carried out with students, IEP is developed taking into account the sequence of studying disciplines. Students have academic freedom in choosing a discipline and a teacher.

The needs of students in the formation of educational programs can be met when choosing elective courses. The contents of the catalog of elective subjects, the logical sequence of subjects in them, the elective subjects proposed to students and declared by the teaching staff are reviewed and analyzed at a meeting of the department and the Educational and Methodological Council of

JSC K.Kulazhanov KazUTB based on the criteria set out below.:

1) disciplines of a narrow focus are not allowed;

2) subjects representing a section of any other course are not allowed.;

3) preference is given to practice-oriented disciplines;

4) disciplines should be aimed at the formation of certain professional competencies;

5) the names and contents of the disciplines should correspond to the relevant areas of science;

6) disciplines should correspond to the level of education.

A working curriculum is being developed for each elective discipline.

According to the catalog of elective disciplines formed in AIS Platonus, students study the description of disciplines and select subjects of elective disciplines depending on the specifics of the chosen field of study, as a result of which an individual educational trajectory is formed.

The competence model of a graduate of a master's degree is published on the university's website.

Registration for elective subjects is made with the help of an adviser's consultations during the orientation week. Advisors introduce students to the content of the disciplines, and leading teachers conduct presentations for a more detailed introduction to the discipline. The results of a consistent study of the effectiveness of elective courses allow us to judge the steady positive dynamics in the assimilation of the developed content of the program, focused on the formation of professional competencies of students of various university specialties. The processed data indicate that the chosen content, forms and methods of studying the proposed course contribute to the successful formation of competencies necessary in the further professional activities of graduates.

The teacher provides individual assistance and counseling during the period of mastering the disciplines for students.

Evaluation of the effectiveness of educational programs is also carried out from the point of view of the presence of components that form the personal development of students, their creative abilities and social competencies.

The IUPM is compiled in 3 copies (for the student, the office registrar department, and the dean's office). IUPMS reflect the needs of the labor market, the requirements of employers and the interests of the student, i.e. the choice of basic and profile disciplines is largely determined by the choice of the direction of educational programs.

In order to streamline students' choice of elective subjects developed by the department in accordance with educational programs, several educational trajectories are provided – lists of elective subjects and the sequence of their study, which allows students to obtain an additional list of professional skills and competencies focused on a specific field of activity, taking into account the needs of the labor market and employers..

Continuous curriculum improvements provide the opportunity for high-quality, flexible and individualized educational trajectories. When implementing a subject-centered approach, the teacher formulates general rules, principles, and algorithms defined by externally specified conditions. Learning procedures contribute to the perception, interests and needs, as well as reliable memorization of the material, and educational activities are organized in such a way that students have the opportunity to independently reproduce and apply the studied material in a variety of typical or other intra-subject situations that do not require new information or skills.

Improving the quality and relevance of learning and teaching improves the learning experience of students and stimulates critical thinking and personal skills of students. One of the promising methods used in the implementation of educational programs is pedagogical innovation in a student-centered learning environment that maximizes the potential benefits of digital technologies for learning and teaching, "contextual learning", professionally oriented. All knowledge is given and studied only in the context of future professional activity, various methods are used, interdisciplinary and interdisciplinary continuity is observed. The concept of contextual learning, which focuses on critical and analytical study and understanding, is productive in

professional learning when motivation to acquire knowledge is achieved by building relationships between specific knowledge and its application.

Pedagogical practice, where students have the opportunity to acquire the skills of teaching specialized disciplines to undergraduate students, preparing syllabuses, methodological guidelines for practical and laboratory work.

An interdisciplinary approach to learning encourages students to independently acquire knowledge from various sources, using all available tools within the framework of academic integrity.

The development of interactive teaching methods using digital innovative technologies related to the Internet, the use of artificial intelligence technologies (OpenAI, Gamma, Canva, Wipic, etc.) is relevant in the teaching and methodological activities of the teaching staff of the department.interactive and multimedia, through the ZOOM, Mett, Googleclassroom platforms, the Youtube channel of JSC K.Kulazhanov KazUTB, multimedia equipment, specialized designer workstations for lectures and practical classes, including classes at partner enterprises. presentations on all academic subjects.

In order to master artificial intelligence technologies, the educational process includes disciplines that allow active use of AI platforms (text, presentation, graphics, etc.).

Teaching staff of the department apply a methodology based on the latest achievements of information technology, scientific publications and technical innovations in their teaching activities.

In the process of introducing various teaching and learning methods, and the participation of teaching staff in grant projects, scientific monographs, textbooks, and teaching aids are being developed that are used in the educational process of preparing undergraduates as primary or additional literature.

JSC K.Kulazhanov KazUTB has created a learning environment using Wi-Fi technology, computing equipment, automated workplaces, specialized programs, computer classes, reading rooms, a book fund, a fund of educational electronic materials in the library of JSC K.Kulazhanov KazUTB

To track the effectiveness and efficiency of innovation, a "Teacher through the eyes of Students" survey is conducted among students, the purpose of which is to determine the effectiveness of using various teaching methods.

Partner companies are actively involved in the improvement of curricula and programs. During the practical and lecture classes, modern technical and software are used to ensure effective learning of the educational material.

The department has a mentoring system and the most qualified teaching staff, exchange experiences with young teachers, both in terms of teaching methods of technical disciplines, and in the process of preparing a master's thesis, undergraduates of the department. The form of communication is presented in the form of scientific seminars and open classes.

The message of the President of the country, K. Tokayev, will pay great attention to the training of specialists in close connection with production. The dissertations of undergraduates are aimed primarily at solving production, technological, and scientific problems that will be implemented in the real sector of the economy.

To form high competencies related to the design of business processes, the discipline "SADT Methodology" is included in the educational process of EP 7M07188 – "Automation and Control", the practical application of structural design methodology allows undergraduates to understand in more detail and accurately the tasks that need to be completed to complete their dissertation research.

The achievements and academic achievements of undergraduates along the educational trajectory are monitored through the AIS Platonus electronic journal.

In order to monitor learning outcomes, the following functions are available to department heads and advisors:

1. View the subjects and teachers selected by the students;

2. View the rating of a particular student;
3. viewing the results of border control by groups, as a whole by department;
4. Monitoring the teachers' rating;
5. Viewing the statistical analysis of border controls;
6. View detailed or summary practice results;
7. View the final information about employment;
8. viewing academic debts of students of the department's specialties;
9. viewing the results of attestations of a particular student, group;
10. View the grades of graduates of the department and other information about the student.

Students can view not only their academic performance in real time on the Platonus platform, but also download the necessary assignments, lectures and practical material for each subject of the learning trajectory.

Feedback from students on any issues is conducted according to the student – curator – head of the department – Dean – Registration Department – Vice-rector for educational and methodological work system.

JSC K.Kulazhanov KazUTB has organized and operates a youth affairs committee, the purpose of which is to unite and involve students in community work, establish close contact with teachers, in order to obtain an operational and objective assessment of the quality of education and gain the opportunity to influence educational programs of all specialties.

The current feedback system between the administration and the staff, systematic Clean Session actions, the work of the anti-corruption commission, which includes students, and control by the student government make it possible to avoid bribery and corruption. JSC K.Kulazhanov KazUTB has an Anti-corruption KazUTB program.

On their own initiative, undergraduates can contact the curator (adviser), the head of the department or the dean of the faculty for any academic or personal issues, complaints.

The results of undergraduates' studies are reviewed after each examination session at meetings of departments, the dean's office, the educational and methodological Council and the Academic Council of the university. Corrective actions and decisions are made based on the results.

Undergraduates' knowledge is monitored throughout the academic year, and achievements are tracked as follows:

1) weekly assessment of achievements in the disciplines of educational programs in the electronic journal of the teacher, rating and final control according to the control system adopted by JSC K.Kulazhanov KazUTB

2) participation of undergraduates in grant projects, R&D, initiative projects, scientific and practical conferences;

3) scientific seminars of the department.

At the discretion of the teacher, various forms of ongoing monitoring of students' academic performance are defined in the curricula of the disciplines: oral survey, written control, test assignments, combined control, presentation of homework, discussions, trainings, round tables, tests, etc.

The current monitoring of academic performance is carried out by the teacher in accordance with the syllabus as students complete and complete certain types of classes. Undergraduates are required to attend classes. In the electronic journal, the teacher evaluates the most active undergraduates for correctly completed and completed assignments.

At JSC K.Kulazhanov KazUTB, all written papers (essays, term papers, dissertations) are checked for anti-plagiarism in the strikeplagiarism system according to the rules of academic integrity adopted at the University.https://kaztbu.edu.kz/kz/akademicheskaya-chestnost-i-bezopasnost.

A master's student who has fully fulfilled the requirements of the curriculum of this course, has accumulated the appropriate number of credits and has established a GPA for the corresponding course, is transferred to the next course by order of the President-Rector of the

University. If the student's GPA is lower than the established one, he remains for a second course of study. In this case, the student either completes the previously accepted IUPM, or can form a new one.

The master's student's independent work is carried out within the framework of assignments created by each teacher and uploaded to the Platonus database. Independent work is monitored weekly with scores in an electronic journal for each subject.

Open classes of teachers allow us to assess not only the level of teaching, but also the degree of involvement and satisfaction of undergraduates with educational processes at JSC K.Kulazhanov KazUTB.

Teachers of the EP have a significant number of author's certificates used in the educational process, both as methods and as educational and practical material.

The distribution of practical and theoretical disciplines is reflected in the WC. When distributing the workload, attention is paid to practical exercises.

At the same time, the re-examination of subjects in which a low level of academic achievement has been achieved is carried out on a fee basis. The GPA and the transfer mark from course to course are recorded in the student's transcript.

All the achievements of the students are reflected in the transcript. Certified undergraduates who have fully completed individual work plans are admitted to the final state certification.

The final certification of undergraduates is conducted in order to determine the degree to which students have mastered the state standard of the appropriate level of education and is aimed at verifying the knowledge, skills, and competencies acquired in the process of mastering the relevant specialty. The final certification is carried out in the form of passing state exams and defending a master's thesis.

The form of conducting state examinations in specialties is established by the Academic Council of JSC K.Kulazhanov KazUTB

Monitoring of the effectiveness of educational services is also carried out during the work of the final attestation commission, whose chairmen and members are managers, leading specialists of universities and industries in the field.

The Chairman of the IAC is appointed from among scientists who meet the qualification requirements or a representative from the production. At the end of the final certification, the chairmen of the IAC assess the level of training of specialists, characterize the knowledge of students, and note shortcomings in the training of specialists in certain disciplines.

JSC K.Kulazhanov KazUTB JSC creates all conditions for students with disabilities to have access to an electronic library, online educational information databases that contain educational and methodological educational disciplines, and all teachers who teach master's degree programs have certificates in inclusive education.

Inclusive education aims at ensuring equal access to a particular type of education and creating the necessary conditions for all students to succeed in education, regardless of their individual characteristics, previous academic achievements, native language, culture, social and economic status of parents, mental and physical abilities.

In order to ensure the quality of the educational process, the interests of students are taken into account, first of all, individual characteristics, their choice of an elective course, the choice of an internship by type, the choice of the head of scientific work, the choice of topics for a master's thesis.

The procedure for reviewing complaints from University students and appeals to the "Complaints and Suggestions Box" and the "President's Blog" https://www.kaztbu.edu.kz/ru/blog-rektora According to the student's personal request to the structural divisions, it is presented in the regulation "The Anti-corruption program of the K.Kulazhanov Kazakh University of Technology and Business ".

The analytical part

The information provided in the self-report in the context of this standard was sufficiently

confirmed during the visit of the WEC. The university has developed an Academic Policy, approved by the President-Rector of K.Kulazhanov KazUTB S.Baybekov dated 02/29/2024, containing the main issues of educational and organizational activities of students. In general, both students and teaching staff expressed positive opinions about the implementation of accredited educational programs, which was subsequently confirmed by the results of the survey. According to the survey data, students express full satisfaction with the availability of academic counseling – 83.1 (59 people) %; accessibility of healthcare services – 76.1% (54 people); accessibility of library resources – 84.5% (60 people); objectivity and fairness of teachers – 76.1% (54 people); requirements of teaching staff for students - 76.1% (54 people).

During the interview, the need for an analysis and modernization of the university's infrastructure was identified in order to ensure the comprehensive safety of students and others, as well as accessibility for all categories of students, including those with special needs.

The university management demonstrated the use of teaching and learning methods, as well as methods for evaluating learning outcomes. However, the trainees noted that they were not fully informed about the assessment procedures used and the compliance of the learning outcomes of the students with the planned results and goals of the program, and there was also no up-to-date publication of evaluation criteria and methods in advance.

The WEC members note the need to systematize the work of teaching staff, including those with little work experience, modern methods of evaluating learning outcomes and regularly improve their skills in this area through conferences, seminars, round tables, etc.

An analysis of the student complaint response system has shown that the university has elements of practice for dealing with student complaints, but there is no single documented and regulated procedure. Complaints and claims of students received as a result of an anonymous survey and during meetings with the management of JSC K.Kulazhanov KazUTB are necessarily registered; all official appeals (including complaints) are submitted by students in writing to the dean's office of JSC K.Kulazhanov KazUTB At the same time, there is no single local act regulating the procedure for filing, the terms of consideration, responsible persons and appeal procedures.

The student survey showed that 78.9% (56 people) of the students were fully satisfied with the academic load/requirements, 16.9% (12 people) were partially satisfied, 2.8% (2 people) were partially dissatisfied, and only 1.4% (1 person) of the students who took part in the survey were dissatisfied. Also, 100% (71 people) of the students fully or partially agree with the opinion that the material proposed by the teacher is relevant and reflects the latest achievements of science and practice.

Strengths/best practices for EP 7M071188 - Automation and Control:

- not identified.

Recommendations for EP 7M071188 - «Automation and control»:

- By the beginning of the 2025-2026 academic year, the university management should develop and approve an official procedure for responding to student complaints, including clear rules for filing complaints; fixed deadlines for reviewing and informing students about decisions taken; identification of responsible persons and departments for reviewing complaints; an appeal mechanism and an independent assessment of the decision on the complaint; a system for regular monitoring and analysis of incoming complaints; and complaints.

- complete the examination of the university's infrastructure and draw up a plan for its modernization to ensure accessibility for all categories of students, as well as take into account the identified difficulties in designing new academic buildings (Deadline: 01.01.2026)

- The university management should develop a procedure for timely informing students on the applied procedures and methods for evaluating the results of mastering the EP, as well as the publication of evaluation criteria before the start of the process training in each part of the EP (Term: 01.01.2026)

- The management of the Educational institution should develop a medium-term plan (at

least three years) for the exchange of experience in teaching methods and assessment of learning outcomes both within the university and with the involvement of leading national and foreign methodologists (Deadline: 09/01/2025).

Conclusions of the WEC according to the criteria:

According to the Educational Program Management standard, EP 7M071188 - Automation and Control has 6 satisfactory positions and 4 suggest improvement.

6.6. The "Students" Standard

The NGO must demonstrate the existence of a policy for the formation of a student body in the context of the educational program, ensure transparency and publication of its procedures governing the life cycle of students (from admission to completion)

The management of the educational institution should determine the procedure for forming a contingent of students based on:

minimum requirements for applicants

maximum group size during seminars, practical, laboratory and studio classes

and forecasting the number of government grants

analysis of available logistical, information resources, human

resources, analysis of potential social conditions for students, including the provision of places in the dormitory

The management of the educational institution must demonstrate its readiness to conduct special adaptation and support programs for newly enrolled and international students

The NGO must demonstrate compliance of its actions with the Lisbon Recognition Convention, the existence 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 NGO should cooperate 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 NGO should provide opportunities for external and internal mobility of students, as well as willingness to assist them in obtaining external grants for training

The management of the educational institution should demonstrate its readiness to provide students with internship places, promote the employment of graduates, and keep in touch with them.

The NGO should provide for the possibility of providing graduates with documents confirming their qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.

The evidentiary part

Admission of applicants to the University is carried out according to the Admission Rules of JSC "K.Kulazhanov Kazakh University of Technology and Business" https://kaztbu.edu.kz/kz/pravila-priema .

This document describes the procedures for admission to the entrance exams and admission to the Master's degree program.

The procedure for accepting documents is carried out within the prescribed time frame.

Entrance exams are taken in accordance with the norms and requirements of the Ministry of Science and Higher Education of the Republic of Kazakhstan.

The entire period of study of a master's student from admission to completion of studies is regulated according to the IUPM.

Academic performance, research and development, research and teaching practice, occurs according to the schedule.

The University ensures the implementation of the Lisbon Convention on the Recognition of the results of academic mobility of undergraduates and the results of additional, formal and non-

formal education.

The formation of a contingent of undergraduates at the University is provided both on a grant and fee basis. Individuals who have shown good results after the first year of their master's degree are eligible for a grant if there are available places.

JSC K.Kulazhanov Kazakh University of Technology and Business has concluded agreements with foreign universities of the far and near abroad to ensure the academic mobility of undergraduates and assistance in obtaining external grants for study.

After admission to the University, groups are formed depending on the choice of the language of instruction. To ensure the functioning of the educational institution, an adviser is appointed, who ensures the entire educational process of undergraduates, until the complete completion of the course of study within 2 years in the scientific and pedagogical field.

The supervisor of the group is responsible for undergraduates attending classes, forms feedback with parents and the dean's office.

The university pays quite a lot of attention to attracting undergraduates to participate in grant projects and initiative projects of the department. Undergraduates are given individual assignments, which require the study of scientific literature, patent search, reading foreign articles, publications in scientific and practical conferences.

Undergraduates who win prizes at the republican Olympiads are awarded with valuable prizes and diplomas from the University administration. Undergraduates studying on a fee-based basis can be transferred to a grant (subject to availability) or apply for a rector's scholarship.

For research internships and academic internships, academic mobility, the department has concluded contracts with manufacturing enterprises and scientific organizations, partner universities. All innovations related to the EP are included in the development plan of the EP.

As a rule, almost all applicants to the master's degree have already been employed, nevertheless, the University provides assistance in finding graduates, including the possibility of teaching at the department in disciplines corresponding to the qualifications of the graduate student.

After two years of study in the scientific and pedagogical field, our graduates will receive diplomas of the appropriate sample, with a transcript that reflects all the academic performance and achievements of the graduate student in accordance with the IUPN and WC. The content of the EP and the competencies obtained will help our graduates to take a leading position in the line of the job hierarchy at the enterprises and institutions in which they work, since the subjects studied and the master's degree in automation and control are in demand in the labor market, taking into account the trends of the 4th industrial revolution, the introduction of the Internet of things, artificial intelligence in production.

According to EP 7M07188 –"Automation and control", there have been no graduates yet, however, in the future the department will monitor the places of employment and positions held by each graduate, for these purposes there is a Council of the KazUTB Alumni Association at the University. https://kaztbu.edu.kz/ru/associaciya-vypusknikov .

A university student can be transferred or reinstated to any university, regardless of the time of expulsion during recovery.

A student is transferred or reinstated after being expelled if they have completed the first academic period of the program they are studying, according to the individual curriculum.

During the restoration and transfer of PC students, it determines the educational difference in disciplines.

Academic leave is the period during which students in educational institutions (undergraduates) temporarily interrupt their studies for health reasons, including pregnancy and childbirth, who are called up to the Armed Forces of the Republic of Kazakhstan.

When granting academic leave to a person studying on the basis of a state educational order, the right to further study on the basis of a state educational order remains with him, and the financing of his studies is interrupted (with the exception of financing expenses provided for the payment of scholarships in accordance with the established procedure to grant holders who are on

academic leave based on the conclusion of the medical advisory commission) for the period of the academic leave granted, which is resumed after its completion.

If academic leave is granted to a student on a paid basis, tuition fees are suspended for the duration of the academic leave.

Upon returning from academic leave, the student continues his studies from the course (and academic period) from which he took this leave.

A student returning from academic leave must eliminate the difference in the disciplines of the work curricula.

The availability of an electronic database of statistical data for analyzing the academic performance of students with different GPA levels, the results of completing and defending master's theses, data on graduates of the educational program and the results of their employment.

The field of educational activity requires automation of the educational process, due to the huge amount of information needed for storage, processing and analysis. This mainly concerns the work of the staff of the educational department and dean's offices.

Educational online resource http://platonus .kazutb.kz allows you to provide information support for the educational process, as well as receive information about academic performance and have access to the official Internet resources of the university.

PLATONUS is an automated information system for universities and colleges, which includes subsystems for student administration, educational process support and distance learning, combined with an electronic document management system.

JSC KazUTB named after K.Kuklazhanov collects statistical data and analyzes the academic performance of undergraduates, data on graduates with different GPA levels, completion and defense of master's theses, the results of graduate employment, including educational programs.

The analysis of academic performance is carried out according to the following procedures:

- according to information about the results of the examination sessions;
- according to the information about the results of the final assessment.

The academic performance of university students is a key indicator of the work of K.Kulazhanov KazUTB, therefore, automation of this segment is an important task.

During the registration process for disciplines and the formation of the IUPM, the student carefully examines the standard curricula, educational programs, rules for registration of students for disciplines and teachers.

In order to prevent a chaotic choice of elective subjects and the implementation of educational programs developed by the university, the department provides students with several educational trajectories - lists of elective subjects and the sequence of their study, allowing the graduate student to master an educational program focused on a specific field of activity, taking into account the needs of the labor market and employers.

The registration of students for the study of disciplines (Enrollment) is organized by the Central Educational Institution. At the same time, deans, departments and advisors are involved in organizational, methodological and consulting work.

When compiling their IUPM, the undergraduate student:

1) gets acquainted with the rules of the educational process organization for credit technology of education;

2) comply with the deadlines set by the academic calendar for registration for academic subjects and making changes to the IUPM;

3) they are enrolled for at least a set number of credits per academic year to master an educational program of the appropriate level.

Students on a fee-based basis, depending on their ability to pay, form of education, and individual abilities, have the right to form their own IEPM with fewer credits than are required for mastering an educational program of the appropriate level, while increasing the duration of their studies.

The IUPM is approved by the dean of the faculty in three copies: one is kept in the dean's office and serves as the basis for monitoring the implementation and development of the

curriculum by the student, the second is transferred to the Student Service Center for the organization of intermediate certification, the third is awarded to the student.

The Educational and Methodological Department of the University (UME), together with the graduating department, forms a list of disciplines for registration from the educational programs approved by the rector.

The department forms a list of teachers for registration in each discipline assigned to the department, ensuring students' freedom of choice of a teacher.

The Central Educational Institution, together with its advisors, conducts a seminar at which students are informed about the basic principles of organizing a modern higher education system in the Republic of Kazakhstan using credit technology based on students' choice and independent planning of the sequence of subjects using credit as a unified unit of measurement for the volume of academic work of a student and a teacher.

The department, in consultation with the teachers, the UMO, the dean's office, determines the schedule of presentation lectures on each discipline submitted for registration.

Presentation lectures on disciplines are held in the 1st - 2nd week of the new academic period (semester).

According to the academic calendar, the registration procedure for students for disciplines and teachers is carried out. For students enrolled in the first year, registration takes place according to the schedule of the educational process.

The student has the right to make any changes to the registration form before the end of the registration period.

Changes to the IUPM after approval are not allowed.

If the selected teacher was dismissed during the academic period, then changes are made to the approved IUPMS according to the official letter provided by the departments.

If the student has not formed his IUPM within the prescribed period, then the working curriculum of this course is taken as the basis for his education, while the subjects of his choice are determined at the discretion of the dean's office.

The procedure for registration of students to choose elective subjects in AIS "Platonus".

This procedure is one of the most important procedures for students of credit technology education. Registration allows each student to independently choose the disciplines they need to study. The basis for the preparation of the IUPM-a (individual curriculum) is the standard curriculum (TUP), which is included in the relevant state standard of education (SES) and the catalog of elective subjects in the EP. Individual curricula should reflect the needs of the labor market, the requirements of employers and the interests of students.

At the same time, they contribute to the formation of students' general education, socio-personal, economic, general scientific and professional competencies in order to freely orient themselves in the labor market and continue their education in the future. After consulting with an adviser on the direction of training before the start of the academic year, the student chooses the proposed training trajectory in accordance with which he registers for elective subjects. The newly enrolled student, before the start of classes during the registration period, with the help of an adviser, draws up his individual curriculum for the entire period of study along the appropriate trajectory. Second-year students and older adjust their individual curriculum for subsequent courses.

Registration of students in KazUTB is carried out through AIS "Platonus" on time according to the academic calendar. Students can form an individual curriculum only during the registration period. Adjustment of the student's IEPM by a DSP employee is possible both during the registration period and during the formation of academic streams.

This page contains a list of all the subjects that the student has chosen to study, links to edit courses of the selected disciplines, as well as additional information.

The organization of the master's student's educational process is transparent and accessible in real time, access to the website does not require high Internet speeds and it can be carried out from mobile devices and tablets.

The university has everything for undergraduates to spend their leisure time after classes, a gym, a library, and scientific seminars. There is an Alumni Association at the university, which ensures reliable communication with our graduates. To date, there has been no release on the EP.

In general, the University has all the conditions for the training of undergraduates, the disclosure of creative potential and the instilling of a scientific culture of communication.

The most gifted undergraduates can find their way in science in the future.

The analytical part

The members of the WEC note that JSC K.Kulazhanov KazUTB conducts a transparent admission procedure for students, as well as provides their support at all stages of their studies. The process of admission and support of students is organized taking into account international standards and national requirements.

The University conducts active career guidance and provides opportunities for academic mobility and participation in scientific research.

At the same time, there is no set of measures to increase the number of students to implement external and internal academic mobility; there is no information on the University's website about the University's Alumni Association; the mechanism for stimulating students to self-education and development outside the core curriculum (extracurricular activities) is not disclosed; there is no procedure for creating SBIS and startups.

In addition, it is noted that it is necessary to identify the branch of the real sector of the economy, which will be targeted by the EP, taking into account the needs of the manufacturing sector, in particular, to increase the practice-oriented approach to the development of specialized disciplines using the material and technical base of partner enterprises.

The members of the WEC note the absence of systematic work to increase the number of grants for training, and, consequently, an unstable contingent of students, as well as a minimal number of grants. It is necessary to work to improve the image of the university and thereby increase the attracted grants.

The procedures for recording student complaints indicate the university administration's willingness to continuously improve the educational environment and learning conditions. Attention to a student-oriented approach and active interaction with employers contribute to the successful employment of university graduates.

Students express full or partial satisfaction with the availability of academic counseling (95.8%, 68 people), the objectivity and fairness of teachers (98.6%, 70 people), the level of accessibility of library resources (94.4%, 67 people), the existing educational resources of the university (98.6%, 70 people), the availability of counseling on personal issues (97.269%), the availability of healthcare services (94.4%, 67 people), the overall quality of educational programs in the EP (97.2%, 69 people) and the quality of the educational program as a whole (97.2%, 69 people),

Strengths/best practices for EP 7M071188 - Automation and Control:

- not identified.

Recommendations for EP 7M071188 - «Automation and control»:

- The management of the Educational institution and the university should develop a plan to increase the number of partner universities, as well as develop a set of measures to increase the number of students to implement external and internal academic mobility with achievable criteria (Deadline: 01.01.2025).

- The management of the Educational Institution should make adjustments to the development plans of the educational institution, indicating predictive values for quantitative indicators of attracting internal and external educational institutions grants (Deadline: 09/01/2024).

- The management of the University should develop a plan to expand the list of partner enterprises to strengthen the practice-oriented component of education with a focus on the relevant branch of the real sector of the economy (Deadline: 01.10.2025).

- The University management should develop a plan for the work and development of the Alumni Association, with an emphasis on improving the image of the university and attracting applicants (Deadline: 01.09.2025).

Conclusions of the WEC according to the criteria:

According to the Educational Program Management standard, EP 7M071188 - Automation and Control has 9 satisfactory positions and 3 suggest improvement.

6.7. The "Teaching staff" Standard

The NGO should have an objective and transparent personnel policy, including in the context of the EP, including recruitment, professional growth and staff development, ensuring the professional competence of the entire staff.

The NGO must demonstrate the compliance of the staff potential of the teaching staff with the specifics of the EP

The management of the EP must demonstrate awareness of responsibility for their employees and ensure favorable working conditions for them .

The management of the educational institution should demonstrate the change in the role of the teacher in connection with the transition to student - centered learning

The NGO should determine the contribution of the teaching staff of the EP to the implementation of the NGO development strategy and other strategic documents

The NGO should provide opportunities for career growth and professional development of teaching staff .

The management of the educational institution should demonstrate its willingness to involve practitioners from relevant sectors of the economy in teaching

The NGO should demonstrate motivation for the professional and personal development of teachers of the educational institution, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods.

An important factor is the willingness to develop academic mobility within the framework of the educational program, to attract the best foreign and domestic teachers.

The evidentiary part

To ensure the comprehensive development of JSC K.Kulazhanov KazUTB and the successful achievement of its strategic goals, the university has developed and approved its Human Resources Policy, which was adopted at the meeting of the Academic Council on December 29, 2024 (Protocol No. 7). The policy is available at: https://kaztbu.edu.kz/ru/uchenyj-sovet.

The main objective of the Human Resources Policy of JSC K.Kulazhanov KazUTB is to establish a system for the formation, development, and management of university staff, taking into account a student-centered approach to teaching and learning.

The Human Resources Policy is accessible on the university's official website: https://kaztbu.edu.kz/ru/hr-sluzhba.

The recruitment of academic staff is conducted on a competitive basis. For this purpose, the university has developed a Regulation on the Competition for Filling Vacant Academic Positions (approved at the Academic Council meeting on December 27, 2023, Protocol No. 5): https://kaztbu.edu.kz/ru/akkreditaciya-i-rejtingi (http://surl.li/mkxgi).

The Rules on the Approval of the Average Student-to-Faculty Ratio, dated February 29, 2024, define the procedure for competitive selection of academic and research staff and are available at: https://kaztbu.edu.kz/storage/app/media/norm-docs/8.pdf.

The Rules for the Competitive Recruitment of Academic and Research Staff can be accessed on the university website: http://surl.li/mkxgi, https://clck.ru/36BusZ.

When recruiting academic staff, special attention is given to the candidates' compliance with established qualification requirements, the university's strategic goals, and the objectives of the educational programs. Faculty members are expected to possess competencies related to the application of modern methods and methodologies, including the use of advanced information technologies and artificial intelligence, and the ability to work with software for managing mechatronic devices, ensuring interdisciplinary learning.

The university also places significant emphasis on hiring promising candidates to foster career advancement, support doctoral dissertation completion, and develop their scientific and creative professional potential.

The competition is held among:

candidates applying for a vacant full-time academic or research position at the University;

current employees who wish to voluntarily participate in the competition.

Applicants for academic and/or research positions are admitted to the competition if they meet the qualification requirements established by JSC K.Kulazhanov KazUTB

The main tasks of the Competition Commission are:

to provide equal opportunities for all participants;

to ensure fair competition among candidates;

to analyze the competition documentation;

to make decisions based on the competition results.

To monitor the effectiveness of the HR policy and ensure transparency in administrative relations within the staff, regular surveys are conducted among faculty members. The purpose of these surveys is to identify strengths and weaknesses of the implemented policies, including the quality of the teaching environment, tools for objective student assessment, as well as in areas of social support, professional motivation, and continuing education.

JSC K.Kulazhanov KazUTB continuously evaluates the performance of its teaching staff through scheduled attestations, class observations, and sociological surveys, thereby ensuring alignment of the faculty's human resources with the university's development strategy and the specifics of its educational programs.

The university's attestation system ensures a comprehensive evaluation of faculty performance in the context of their functional responsibilities. The attestation format includes an analysis of the faculty member's scientific and educational achievements over the past year.

The Human Resources Policy is developed by the university's top management and defines the core principles of personnel management and staff requirements. It is reflected in the University Charter, Internal Labor Regulations, and other internal documents and policies.

The goal of the HR policy at JSC K.Kulazhanov Kazakh University of Technology and Business is to establish a system for the development, formation, and management of highly professional staff necessary for achieving the university's mission and goals.

The HR policy is implemented by structural units based on forward-looking professional development plans of each administrative and academic staff member.

HR policy implementation includes:

advanced training of university management staff;

advanced training of teaching staff;

advanced training of administrative and support staff.

The university is currently considering the involvement of industry professionals and international experts with relevant scientific and professional competencies in teaching specialized disciplines of the 7M07188 – "Automation and Control" educational program.

Motivational tools to support this include performance-based rating indicators, financial support for publications in peer-reviewed journals, and other incentives.

To ensure ongoing compliance with qualification requirements, faculty members develop their methodological and subject-specific competencies through professional development courses and internships as part of academic mobility programs.

The competition for academic vacancies is conducted in accordance with the regulations of the Ministry of Science and Higher Education of the Republic of Kazakhstan and the university's internal HR policy.

(https://kaztbu.edu.kz/ru/hr-sluzhba)

The recruitment and development processes for faculty members include: defining requirements, recruiting and selecting candidates, probation periods for new hires, performance evaluations, ongoing professional development, and knowledge sharing between staff. These activities are governed by internal normative procedures.

JSC K.Kulazhanov KazUTB aims to maintain an objective and transparent HR policy, including in the context of specific educational programs. This policy covers recruitment, career advancement, and development, ensuring the professional competence of the entire teaching staff.

The HR policy ensures comfortable working conditions for faculty and staff, both at the hiring stage and throughout their career paths. The rights and responsibilities of each staff member are outlined in job descriptions, and new hires are briefed on the university's HR policies.

As part of the university's external academic policy, Associate Professor (Docent) K.M. Akishev delivers lectures at KEU (Kyrgyz Republic).

Within the framework of academic mobility, Dr. B.I. Biibosunov (DSc in Physics and Mathematics, DSc in Engineering, Professor at I. Arabayev Kyrgyz State University) has been invited to teach the course "Software Tools in Automation Systems" to master's students.

Faculty members teaching in the 7M07188 – "Automation and Control" program, such as A.D. Tulegulov and K.M. Akishev, contribute significantly to national defense and the economy through their involvement in the grant project "Development of an Additive Manufacturing System for Producing Metal Parts for the Defense Industry." This enhances the relevance and demand for graduates of the program and strengthens the country's defense capabilities.

The university's HR policy includes institutional procedures for faculty and staff (hiring, promotion, incentives, termination, rights and responsibilities, job descriptions) and ensures accessibility of this information to all personnel.

The faculty involved in the educational program 7M07188 – "Automation and Control" consists of 100% full-time staff with extensive experience:

Assoc. Prof. (Researcher) K.M. Akishev, Hirsch Index – 4, PhD in Physics and Mathematics;

Assoc. Prof. A.D. Tulegulov, Hirsch Index – 4, PhD in Engineering;

Assoc. Prof. B.A. Serimbetov, Hirsch Index – 3, PhD in Engineering;

Assoc. Prof. (Docent) D.S. Zhamangarin, Hirsch Index – 3, Doctor of Philosophy (PhD).

The planned number of faculty is determined in accordance with the number of students and the annual academic workload of the university. The basis for this calculation includes Article 61 of the Law of the Republic of Kazakhstan "On Education" (as amended on 10.03.2023) and the

State Educational Standard of the Republic of Kazakhstan 5.03.015 – 2009 “Education System. Teaching Workload. Basic Provisions.”

The quality composition of the teaching staff is defined by the HR department based on recommendations from department heads, considering academic workload and qualification requirements for each educational program.

Full-time faculty members are those for whom the university is the primary place of employment and who have employment contracts ranging from one to three years.

Full-time faculty must submit a job application specifying their position and teaching load, and sign a labor contract and individual work plan.

Part-time (hourly) instructors are compensated based on hours worked. This includes members of external attestation commissions and reviewers of diploma projects.

An analysis of the student body and qualifications of faculty members, including visiting scholars, confirms that the teaching staff is sufficient in both quantity and expertise to meet the requirements of the State Compulsory Educational Standards of higher and postgraduate education in the Republic of Kazakhstan.

Faculty formation for the Technological Faculty, particularly for the accredited educational programs, is carried out in accordance with training profiles and specialties. These profiles define core knowledge areas for faculty members and serve as the basis for hiring and promotion decisions.

An analysis of the conditions for implementing the educational program shows that the quality of staffing complies with the licensing standards.

For the 2024–2025 academic year, the 7M07188 – "Automation and Control" program is staffed by highly qualified faculty:

Total faculty: 8

Full-time faculty: 8

Doctors of Science: 0

Candidates of Science: 5

PhD: 1

Master’s Degree Holders: 2

Percentage with advanced degrees: 75%

Full-time staffing: 100%

The number of academic staff is approved annually according to the university's staffing schedule.

The information of teaching staff teaching in the accredited EP is presented in Table 1.

Table 1-Information about teachers serving the EP 7M07188–Automation and Control

№	No. Full name.	Academic degree	Rank	Post

1	Akishev Karshiga Maksutovich.	Candidate of Technical Sciences.	ass. Professor (researcher)	Acc. professor
2	Zhamangarindus matsamatovich.	Doctor of PhD,	ass.professor	Acc. professor
3	Serimbetov Bulat Abutalipovich.	Ph.D.,	ass.professor	Acc. professor
4	Tulegulov Amandos Dabysovich.	Ph.D., Ph.D.,	ass.professor (researcher)	Acc. professor
5	G. Tolegenova.T.	Ph.D.	ass.professor	Acc. professor
6	Mukhambetzhan A.Zh		associate professor	Acc. professor
7	. Zhortushinova A.K.	Master's degree. The science	-	Acc. professor Senior lecturer
8	Kurmangalieva J.K.	Magistracy	-	Senior lecturer

The level of teaching staff according to EP 7M07188–"Automation and control" is 75%.

For the implementation of the educational program, the quantitative and qualitative indicators of teaching staff meet the qualification requirements established by the Order of the Ministry of Internal Affairs of the Republic of Kazakhstan No. 22 dated January 29, 2023.:

- each EP discipline is provided by teachers whose education or academic degree correspond to the profile of the subjects taught;
- the required number of teaching staff has been ensured, for which JSC KazUTB named after K.Kuklazhanov is the main place of work;
- the norm on admission to lectures by teachers who meet the regulatory requirements for teachers who are allowed to give lectures has been observed.

The formation of teaching staff is carried out in strict accordance with the standard qualification characteristics of positions of teaching staff and persons equivalent to them, approved by the Order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 30, 2020 No. 169 with the latest amendments and additions. https://gos24.kz/blog/678 .

An analysis of the terms of implementation of EP 7M07188 – "Automation and control" showed that the qualitative indicator of staffing corresponds to the standard established by the license.

The formation of teaching staff is carried out in strict accordance with the standard qualification characteristics of the positions of teaching staff and persons equivalent to them, approved by the Order of the Ministry of Internal Affairs of the Republic of Kazakhstan dated April 30, 2020 No. 169 with the latest amendments and additions.

The implementation of educational programs is provided by the teaching staff in accordance with the qualification requirements for licensing educational activities. Constant monitoring of the activities of teaching staff ensures that teachers have full knowledge and understanding of the subject, the necessary skills and experience for effective learning in the educational process. Bachelor's degree programs are prepared by the following categories of teaching staff: teachers with academic degrees and titles, senior teachers, teachers and assistants. Professors, associate professors, senior lecturers, researchers or experienced specialists with at least 3 years of practical experience in their specialty are allowed to give lectures.

The website of JSC K.Kulazhanov KazUTB contains data and summaries of the teaching staff of the IT Department of EP 7M07188-"Automation and Control.

The teaching staff of the educational programs meets the qualification requirements for

licensing educational activities. Teachers have full knowledge and possess modern teaching methods, the necessary skills and experience to effectively transfer knowledge to students in the educational process, as well as to organize feedback.

The main document defining the work of each teacher is an individual plan, which includes the planned academic (in hours), teaching, research and other types of work for the current academic year, including advanced training. Individual plans of the teaching staff are reviewed at a meeting of the department and approved by the Vice-rector for Academic, Teaching and Methodological work and academic mobility. The progress of teachers' implementation of approved individual plans is systematically monitored by discussing them at department meetings, where an appropriate assessment is given. The report on the actual work performed, the amount of academic work in hours, scientific work, publications, methodological developments is heard at the end of each semester, and is briefly reflected in the annual report of the department.

Every year, the head of the department analyzes the performance of the planned work according to the individual plan of the teachers, which is reflected in the annual reports and rating points.

When drawing up the workload and schedule of teachers, the administration strives to ensure a balance between teaching and other types of work, to provide an opportunity to effectively engage in research, teaching, methodological and educational work. The department provides a rational distribution of the teaching staff's workload, including classroom, extracurricular activities, practice hours, and graduate work management.

Extracurricular work carried out within the framework of the "second half of the working day" is mandatory for teaching staff and is included in their individual work plan.

At JSC K.Kulazhanov KazUTB, the amount of the annual teaching load of teachers depends on their academic or academic degree and position. Thus, according to JSC KazUTB named after K.Kuklazhanov, the following rules for planning and reviewing the teaching load of teaching staff have been approved:

- Professor, Doctor of Sciences – 680 hours;
- Associate Professor, Candidate of Sciences – 680 hours.
- art . Teacher - 680 hours;
- teacher-680 hours.

Planning of the teaching load of the teaching staff of JSC KazUTB named after K.Kuklazhanov is presented in the Regulation on planning academic work and teaching load of the teaching staff (approved by the meeting of the Academic Council dated 02/29/2024, Protocol No. 7).https://kaztbu.edu.kz/storage/app/media/pdf/29.09.2024/%20о%20пл.pdf

In modern conditions, the role of a teacher in ensuring a high-quality level of education for students is high.

JSC KazUTB named after K.Kuklazhanov has developed mechanisms and criteria for the systematic assessment of the effectiveness of teaching quality: These include internal control, open classes, mutual visits, questionnaires for undergraduates and teaching staff, etc. The results of the open classes are discussed at the meetings of the Department of Information Technology. The department is systematically checked by the staff of the UMO JSC K.Kulazhanov KazUTB

Open classes are conducted according to the approved work plan of the department. In open classes, teachers demonstrate their positive or innovative experience, the implementation of a methodological idea, the application of a methodological technique, and a teaching method. Open classes are conducted in accordance with the Regulations on conducting open classes by teachers (approved by the meeting of the Academic Council dated 02/29/2024, Protocol No. 7). https://kaztbu.edu.kz/storage/app/media/SMK/Polozheniye/Uchebno-metodicheskiy/_Положение%20о%20порядке%20проведения%20открытых%20учебных%20занятий%20и%20взаимопосещения%20учебных%20занятий%20professorial teaching staff%20.pdf

The professional development plan includes mutual visits to classes, advanced training courses, attendance at various seminars, internships at leading universities in Kazakhstan and

neighboring countries, as well as participation in scientific and methodological seminars, conferences, exhibitions and other events, in the form of research, master's and doctoral studies. The purpose of professional development of teaching staff is to update theoretical and practical knowledge, gain new knowledge on modern and promising learning technologies, etc. The approved training plan for teaching staff is kept at the department.

In accordance with the Law of the Republic of Kazakhstan "On Education", all teachers undergo advanced training at least once every 5 years, including in their specialty at the national and international levels. The professional development process is regulated by the "Regulations on professional development of teaching staff and staff (approved by the meeting of the Academic Council on December 29, 2024, Protocol No. 7). https://kaztbu.edu.kz/storage/app/media/SMK/Polozheniye/Upravleniya/804%20ПД%20о%20повышении%20квалификации%20ППС%20и%20сотрудников.pdf

Advanced training of the teaching staff of KazUTB named after K.Kuklazhanov JSC is carried out in various forms: through postgraduate education programs, academic exchange, professional internships, specialized courses, training seminars, etc.

Advanced training of teachers is carried out through courses, seminars, individual internships, trainings, master classes, participation in the work of the autumn, winter and summer schools in the subjects taught.

Teachers of the department actively participate in seminars of the NMS of JSC K.Kulazhanov KazUTB, in winter and summer schools of the teacher. Methodological seminars of JSC K.Kulazhanov KazUTB are regularly held. In October 2024, we participated in the 7th Eurasian Forum conference on academic integrity "Principlesand technologies shaping the future of higher education".

Certificates and certificates of advanced training of teaching staff are posted in the personal files of employees in the personnel management department of JSC K.Kulazhanov KazUTB and in the portfolio on the portal.

When planning the professional development process for teaching staff, special attention is paid to courses and seminars on the application of innovative methods and forms of education.

Research work is carried out according to the research plan, which is approved by the Vice-Rector for Science, Innovative Technologies and External Relations. The faculty of the department participates in various scientific conferences and publishes articles and makes presentations.

An indicator of a teacher's scientific activity is the reflection of his ideas and research in scientific publications with the participation of foreign scientists, undergraduates and students in Table 2.

The general list of published works of the faculty in rating publications is presented on the website https://kaztbu.edu.kz/ru/publikacii-pps

Table 2-List of teaching staff publications on EP7M07188-Automation and Control

Publications	**2024 г**
With a non-zero impact factor of WoS,Scopus	3
RSCI	4
COXON	12
Patents, copyright certificates	3
Monographs	2

Teaching staff of the Department of Information Technology, serving the Department of Automation and Control, actively participates in the work of expert organizations, public organizations table.3.

Table 3. Participation in dissertation councils, councils, commissions, committees, working groups

№	Full name, position	The name of the organization, dissertation councils in the specialty, councils, commissions, committees, working groups.
1	Akishev K.M.	National IQAA Expert

The educational process at the department is based on innovative learning technologies (business and role-playing games, trainings, debates, round tables, seminars, brainstorming, case study (analysis of specific situations, situational analysis), master classes, video lectures, creative learning), computerization and computerization of the entire learning process, the application of new concepts in in the field of education and science, improvement of traditional teaching methods, creation and constant replenishment of the fund of electronic learning tools. All teaching staff of the department conduct classes using technical training tools. The results of practical understanding of innovative forms of education are discussed at the department meeting, methodological seminars, scientific and practical conferences.

The university is actively implementing IT technologies. The university's media library is equipped with electronic textbooks. The educational process is focused on the introduction of new educational technologies, widespread computerization and informatization, and the use of new technical means of education. For this purpose, computer classes with Internet access have been created and integrated into the university's corporate network. Video projectors and interactive whiteboards are used to conduct lectures and practical classes of the teaching staff of the Department of Information Technology.

Computer-based learning technologies represent the processes of collecting, processing, storing and transmitting information to the learner through a computer.

During the classes, the teaching staff uses their own author's computer software developments for the purpose of practical perception of the educational material.

The management of the EP ensures the use of various forms and methods of teaching and learning, while demonstrating the availability of a feedback system on the use of various teaching methods and assessment of learning outcomes. The teaching staff regularly provides support for the autonomy of students with simultaneous guidance and assistance. JSC KazUTB named after K.Kuklazhanov ensures consistency, transparency and objectivity of the learning outcomes assessment mechanism for each EP, including the appeal.

JSC "KazUTB named after K.Kuklazhanov" has defined mechanisms for ensuring that each graduate learns the learning outcomes and ensures the completeness of their formation under the guidance of the faculty of the department.

The Information and Library Center grants teachers the right to use the book collection and electronic resources free of charge; provides free access to international subscription databases; conducts free training for teachers in trainings on the use of international subscription databases.

The amount of work of the teaching staff of JSC KazUTB named after K.Kuklazhanov is established annually by the President-Rector, based on the salary fund and taking into account the need to perform all types of educational, teaching, research, organizational, methodological and educational work arising from the position, curriculum and scientific plan.-research and educational work. The annual teaching load of teachers is determined on the basis of the average annual teaching load of teaching staff at the university, calculated depending on the approved teaching staff and the annual amount of academic work of the university as a whole (Regulations on planning academic work and the teaching load of the teaching staff).

https://kaztbu.edu.kz/ru/normativnye-dokumenty.

The SRS department annually conducts language courses at JSC K.Kulazhanov KazUTB. In order to improve the professional level, motivate teaching staff and stimulate employees, JSC KazUTB named after K.Kuklazhanov operates a rating system and awards teachers and staff for personal contributions and achieved results in their work. The OOKiA Department has developed a Regulation on the rating system for evaluating the activities of teaching staff, departments and faculties, to motivate the professional and personal development of teachers of the Faculty.

https://kaztbu.edu.kz/ru/akkreditaciya-i-rejtingi

Each teacher registers on the website (in which program), and enters all their results: articles, works, certificates, reports of public cathedral and educational works, etc.

At the end of the school year, all points are summed up and a rating is given, and teaching staff receive a supplement to their basic salary as a reward.

Salary dynamics of teaching staff over the past 4 years (average monthly salary as of the beginning of each academic year), thousand tenge. Table 4.

Table 4-Dynamics of salary of teaching staff for 202.4 years

№	Indicators	**2024**
1	Doctor of Sciences, Professor	285000
2	Candidate of Sciences, Associate Professor	265000
3	Senior Lecturer	245000
4	Assistant	225000

The mechanisms for stimulating the professional and personal development of teaching staff are reflected in the Collective Agreement, and in

Regulations on remuneration of employees of JSC K.Kulazhanov KazUTB.

The university has a trade union committee that supports the teaching staff. Based on the work of the trade union, many of our employees and their families were able to take part in various events in Astana: visits to theaters, an ice rink, sports events between departments in Astana, etc. (all links are on the KazUTB website, https://www.kazutb.edu.kz/ru/novosti).

Teaching staff of the Department of Information Technology have honorary titles Table 5.

Table 5-Awards received by the teaching staff

№	Full name ,	**Name and date of issue**
1	Candidate of Technical Sciences, ass.professor Akishev K.M.	Honorary Professor of JSC K.Kulazhanov KazUTB, protocol of the academic year. Council No. 2, dated 10/26/2023
2	PhD,M.N., Associate Professor Tulegulov A.D.	Honorary Professor of JSC K.Kulazhanov KazUTB, protocol of the academic year. Council No. 2, dated 10/26/2023

Employees are also awarded based on the results of their work during the academic year, the successful conduct of the admission campaign for applicants, for their contribution to the use of innovative technologies in the training of undergraduates, certification, accreditation, scientific results, anniversaries and official public holidays.

Based on the results of the teaching staff's activities, the KPI is calculated at the end of the year, and employees who receive the highest scores receive a bonus for the results achieved. Table.6.

Table 6-Holders of the kpi rating

№	**Уч.год**	Full name
1	2021-2022	Ass. Professor Akishev K.M.
2	2022-2023	Ass. Professor Akishev K.M. ass. Professor Tulegulov A.D.
3	2023-2024	Ass. Professor Akishev K.M. ass. Professor Tulegulov A.D.
4	2024-2025	Ass. Professor Akishev K.M. ass. Professor Tulegulov A.D.

The purpose of the Program to attract foreign scientists to KazUTB is to deepen cooperation with the world's leading scientific and educational centers and organizations, develop missing competencies and promote JSC K.Kulazhanov KazUTB in the global scientific and educational space.

EP reviews are submitted by potential employers.

Teaching staff of the EP –automation and control, actively develop and publish educational and methodological materials that are used in the educational process table.7.

The university practices the organization of advanced training of teaching staff, direct employment in January 2024, teachers of the department Akishev K, Tulegulov A, completed professional development courses in Almaty, Saiman Corporation LLP on the topic: "Automation of technological complexes and productions" in the amount of 72 hours. This year, Akishev K, Tulegulov A, Serimbetov B completed 72 hours of advanced training courses at Astana ceramic LLP on the topic "Intelligent Production Management Systems".

The university constantly monitors the moral and psychological climate in the team. Teaching staff can make an appointment with the rector or the President of JSC K.Kulazhanov KazUTB to solve personal problems or to introduce innovations into the educational process.

The analytical part

The Commission of the Higher Economic Commission confirms that the teaching staff of the K.Kulazhanov Kazakh University of Technology and Business meet the qualification requirements for licensing educational activities.

The indicators for the qualitative and quantitative composition of the teaching staff of the accredited EP demonstrate the availability of human resources sufficient for the implementation of the EP, including the introduction of innovative approaches.

Teachers involved in the implementation of accredited educational programs regularly undergo advanced training, participate in conferences, professional trainings, and master classes. Methodological and scientific developments of teaching staff are used in the educational process.

The WEC notes one of the strengths of this standard is the mechanisms for assessing the competence of teaching staff, including questionnaires and certification of teaching staff and a real-life incentive program for teaching staff.

At the same time, the WEC notes the need for teaching staff to participate in seminars and international scientific and practical conferences (online/offline), as well as to increase the publication activity of teaching staff in scientific publications with a high impact factor.

At the same time, the WEC notes the need to enhance outbound academic mobility based on existing and new links with national and foreign partner universities.

The survey of the teaching staff conducted during the visit of the VEK IAAR showed that:

- The content of the educational program meets the scientific and professional interests and needs of the teaching staff was rated very good by 78.5% (51 people) and good by 21.5% (14 people).

- The opportunities provided by the University for the professional development of teaching staff and career growth were rated very good – 56.9% (37 people) and good – 41.5% (27 people).

Strengths/best practices for EP 7M071188 - Automation and Control:

- The university management has developed and actively applies a highly motivating system of support for teaching staff and their incentives based on the performance of indicators, allowing teaching staff to more actively show their creative potential. The incentive system is fixed by regulatory documents and is being steadily implemented.

Recommendations for EP 7M071188 - «Automation and control»:

- The university management should develop comprehensive measures to expand the outgoing academic mobility of teaching staff in order to acquire new, relevant competencies for improving the level of teaching (Deadline: 09/01/2025).

Conclusions of the WEC according to the criteria:

According to the Educational Program Management standard, EP 7M071188 - Automation and Control has 1 strong, 7 satisfactory positions and 1 suggests improvement.

6.8. The standard "Educational Resources and student Support Systems"

The NGO must ensure that there are sufficient educational resources and student support services to ensure that the goal of the educational program is achieved.

The NGO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of educational institutions (adults, working people, foreign students, as well as students with disabilities)

The management of the educational institution should demonstrate the availability of support procedures for various groups of students, including information and counseling

The management of the educational institution should demonstrate the compliance of information resources with the specifics of the educational institution, including:

technological support for students and teaching staff (for example, online training, modeling, databases, data analysis programs)

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

, examination of research results, graduation papers, dissertations for plagiarism

, access to educational Internet resources

the operation of WI-FI on the territory of the educational organization

The NGO demonstrates planning for the provision of educational equipment and software similar to those used in the relevant sectors of the economy.

The evidentiary part

When carrying out educational activities of JSC K.Kulazhanov KazUTB, the resources used to organize the learning process are sufficient and meet the requirements of the educational programs being implemented.

The educational resources used in the implementation of the accredited educational program at JSC K.Kulazhanov KazUTB are available to all undergraduates and teachers, informed regardless of their location. The material, technical, information and library resources of the university are optimally staffed and meet the requirements necessary to provide high-quality educational services.

JSC K.Kulazhanov KazUTB (the Management of the EP) provides training for undergraduates in an individual educational trajectory.

JSC K.Kulazhanov KazUTB has an auditorium fund equipped with modern technical training facilities; educational and scientific laboratories equipped with modern equipment. All classrooms meet the needs of the educational process and sanitary and epidemiological standards, as well as the requirements of OT and TB.

JSC K.Kulazhanov KazUTB takes into account the needs of various groups of students (adults, working people, foreigners and people with special educational needs).

JSC K.Kulazhanov KazUTB creates conditions for conducting scientific research, the heads of undergraduates on a regular basis publish scientific articles in the materials of scientific and practical conferences, scientific journals in the framework of research on the topics of master's theses, the university's infrastructure is aimed at educational, research, educational activities and includes 3 educational and laboratory buildings, a library, a large sports hall, 2 dormitories, 1 canteen, and a medical office are being built. The total area of the university is 24,457.40 sq.m., of which the academic area of the university occupies 4,534 sq.m. The analysis showed that there are 9 sq.m. for one undergraduate student of this contingent, which corresponds to the required sanitary rules. Before the start of the heating season, the heating system is being prepared for uninterrupted operation in winter.

The spatial environment of the educational laboratory and classrooms of JSC K.Kulazhanov KazUTB indicates compliance with the requirements for the material and technical base of universities.

The material and technical base of JSC K.Kulazhanov KazUTB for educational activities includes 10 lecture halls (seats - 620), 42 classrooms for practical and seminar classes (seats - 744), 11 educational and scientific laboratories, 11 computer classrooms (350 computers), 1 reading room, 7 multimedia classrooms.

In the context of the Department of Information Technology, there is the following classroom fund: 2 lecture halls, 6 computer rooms for conducting laboratory and practical classes, as well as the TPP and Robotics laboratories, a laboratory based on the practices of Astanaceramic LLP.

The university's computer park is updated annually with new generation computers and has

computer resources (a public LAN, 1 Web, licensed programs, the use of free programs, and Platonus and Platonus AIS are used for the educational process. The availability of Wi-Fi points covers 100% of the university space).

Computer classes are used for conducting classes in various academic disciplines in accordance with the curriculum and for independent work of undergraduates. Every year for the new academic year, the classroom fund is renovated and prepared.

In their free time, undergraduates have access to independent work and research, and the teaching staff to prepare teaching materials and research for the designer's ARM.

Specialists who provide methodological and technical support for the creation of electronic and scientific and educational resources are concentrated in all departments of the university.

JSC KazUTB named after K.Kuklazhanov actively uses multimedia technologies. The use of multimedia technologies makes it possible to activate the learning process by enhancing visibility and combining logical and imaginative ways of assimilating information. Multimedia classrooms are equipped with a software and hardware package based on the interactive whiteboard ACTIV board. The high technical characteristics of the system and the functional saturation of the ACTIV studio program, taking into account the simplicity of its development, are the key to the successful use of the interactive whiteboard ACTIV board in the educational process.

The University is constantly striving to improve the use of information technology in the organization of the educational process. The university operates "Platonus", v. 6.2.10; AIS "Platonus", "Theams". The introduction of Platonus and other programs has allowed us to solve problems in the scientific and educational process.:

1) increasing the transparency of the educational process: maintaining an electronic journal, which provides constant access to information about academic performance;

2) facilitating the conduct and control of examination and boundary control (colloquium, tests);

3) facilitating the monitoring of the implementation of the individual master's degree curriculum;

4) automation of the formation of statements and transcripts;

5) to automate the exchange of information between the master's teacher;

6) facilitating the monitoring of the implementation of research and development.

Every year, at meetings of the Academic Council and the Rector's Office, issues related to providing educational activities with the necessary resources are considered.

The website of JSC KazUTB named after K.Kuklazhanov has a university blog, the system of which consists of questions, answers and relevant information available to the public.

In the "President-Rector's Blog" section, visitors can post their appeals directly to the President and Rector of KazUTB named after K.Kuklazhanov JSC.

Communication between the President and the rector of the University can be built through personal messages, chats, forums, or an appointment.

The financial policy of JSC KazUTB named after K.Kuklazhanov is aimed at maintaining the quality of educational programs in the preparation of undergraduates.

The educational environment: material and technical resources, financing, scientific and educational laboratory facilities, library fund, information support are aimed at the successful implementation of EP 7M07188 - Automation and Control.

When implementing educational activities, the Department of Information Technology is guided by regulatory documents regulating mandatory regulatory requirements for the material, technical and educational laboratory base of education.

In the educational process of EP 7M07188 –automation and control, 6 computer classrooms are used for practical classes, as well as laboratories "CHP and robotics", "Physics" Table 8:

CHP Laboratory and Robotics No. 3/515;

Laboratory of General Physics No. 3/514;

Programming Training Room No. 3/501;

Programming Training Room No. 3/507;

Table 8- University Classroom Fund

№	Audience name	Number of audience
1	Lecture halls	10
2	Specialized	15
3	Laboratory facilities	11
4	Computer	11
5	Educational programs	42
6	Indicative	4
7	Scientific Laboratory of Astana Ceramics LLP	1
Total:		**95**

The individual educational trajectory of students is formed on the basis of the basic and elective components of the educational program 7M07188 – "Automation and Control".

For questions about the educational process, undergraduates can contact the adviser, the dean of the faculty, who assist in choosing elective subjects during the study period (forming an individual curriculum) and mastering the educational program, as well as all information on the organization of the educational process can be found in the guidebooks, Platonus, academic calendar, lesson schedules, which They are developed annually by the university management and approved.

The Platonus database and the Platonus AIS contain a register of educational programs for all levels of education and a catalog of elective subjects. The catalog is a list of elective subjects with a brief content, key competencies, scope, and prerequisites.

After choosing an educational program, undergraduates receive an individual curriculum, formed by semesters for the current period of study. The individual plan includes the disciplines of the basic component and specialized disciplines.

The working curriculum of the discipline (syllabus) and teaching guidelines are posted in Platonus and AIS Platonus, which all undergraduates and teaching staff of the departments have individual access to.

The forms of intermediate control of students' knowledge are approved according to the academic calendar. JSC KazUTB named after K.Kuklazhanov regulates the following forms of control (in the form of offline and online in the Zoom platform, Theams, Platonus and AIS Platonus): oral, written, matrix testing, computer testing and combined forms.

Regarding the educational process, students have the opportunity to contact the adviser, the scientific supervisor, the head of the department, the dean's office of the faculty, the Student Service Center of JSC K.Kulazhanov KazUTB.

A master's student can contact the post office at any time at the addresses posted in AIS Platonus, where the phone numbers of specialists of the university's structural divisions are also indicated.

The Student Service Center of JSC K.Kulazhanov KazUTB has been providing services and advising students on academic issues since the 2020 academic year.

The main goal of JSC K.Kulazhanov KazUTB is to provide high-quality and fast service to undergraduates. The work of the Central Educational Institution is aimed at developing information openness and transparency of the educational process, the formation of a culture of mutual respect and other factors.

Undergraduates can receive an answer to their request, depending on the nature of the question, both immediately on the spot and by submitting an application through the Platonus portal.

In case of problems related to the educational process, for example, passing an examination session according to an individual schedule, the graduate student applies to the dean's office of

his faculty and provides the dean of the faculty with supporting certificates (about illness, due to the birth of a child, the death of close relatives, in connection with an official or study trip).

If the student has completed the course program in full, but has not scored the minimum transfer score, in order to increase his average academic achievement score (GPA), he is given academic leave and the opportunity to re-study individual disciplines for the next academic year.

If the student does not agree with the exam results, he has the opportunity to file an appeal.

The module "Journal" is used in AIS "Platonus" to monitor the knowledge of undergraduates. This module is designed for daily monitoring of the knowledge of undergraduates of the university. AIS Platonus is designed to provide effective information support for the management of the education system, as well as the management of the educational process.

The "Journal" module provides an opportunity for grading intermediate (boundary controls), final and state certification of undergraduates. On the basis of the grades submitted to the journal, examination, rating and final statements are formed, on the basis of which the transfer of the master's student to the next semester, course is carried out.

The progress of the master's student in the educational field is monitored in the electronic journal AIS "Platonus".

Advisors can get acquainted with the exam results, the results of the rating assessment and the selection of undergraduates' disciplines.

The learning outcomes are reviewed after each examination session at the department meetings. Decisions are made based on the results, corrective actions are formed, if necessary, and included in the resolution of the protocol.

Monitoring of undergraduates along the educational trajectory is carried out throughout the academic year, tracking achievements is carried out as follows:

1) weekly assessment of achievements in the disciplines of educational programs in the tutor's journal, rating and final control according to the control system adopted at the university;

2) participation of undergraduates in various scientific and practical conferences with reports;

3) listening to the NIRM reports at the department meetings.

For the exchange of opinions, the university has a feedback system aimed at undergraduates, employees and interested persons who have the opportunity to ask questions in electronic form on topics of interest to them.

A very important area of involvement of organizations in the educational process is the conclusion of contracts for undergraduates to complete internships at existing enterprises in Astana.

An important element of the system for ensuring a high level of sufficiency of resources and support systems for undergraduates is regular monitoring of undergraduates' satisfaction with the quality of the educational process, which is carried out through questionnaires.

The questionnaire is conducted in AIS "Platonus" in electronic form. Undergraduates express their opinions through oral interviews and conversations with teachers, heads of departments, and the dean of the faculty.

In order to expand the participation of undergraduates in the activities of the university and to form an active civic position among them, as well as in order to determine the degree of satisfaction of undergraduates with the quality of the educational process and its individual components, and to study their opinions, various types of questionnaires were conducted.

The current feedback system between the administration and the staff, systematic Clean Session actions, the work of the anti-corruption commission, which includes undergraduates, and the supervision of the graduate student make it possible to avoid bribery and corruption. The University has an Anti-corruption program of K.Kulazhanov KazUTB ".

Consultations, reviews of control and attestation works are implemented in three ways: on-line, via chat and using the capabilities of the forum in Platonus and AIS Platonus; in Off-line mode - through the use of training cases Platonus and AIS Platonus; directly at the departments

of JSC "KazUTB named after K.Kuklazhanov" in accordance with the consultation schedules posted on the above platforms.

All undergraduates' qualifying papers are checked within the framework of academic integrity in the Strikeplagiarism anti-plagiarism system. The uniqueness of the work of undergraduates when checking for anti-plagiarism is 75%.

The scientific and pedagogical practice of undergraduates is carried out within the university. Each master's student conducts classes in bachelor's degree groups in the disciplines of the profile EP. The teaching practice is supervised by experienced mentors from among the teachers of the department.

The educational equipment and the material and technical base of the University make it possible to ensure the entire educational process of undergraduates.

All information related to academic mobility is provided by the department in cooperation with the University's Department of International Relations, where each graduate student can receive professional advice.

The server hardware and software used by the EP are distributed as follows:

HPProliant – AIS "Platonus" v. 6.2.10

HPProliant – file server for librarianship and backup

HP ProDesk 400 - AIS "Moodle".

Specialized software is also used in the educational process.

The main division of library and information support for the educational process of JSC K.Kulazhanov KazUTB is the library. The university library is a fundamental library with a collection of textbooks, monographs, methodological developments, publications of the university faculty, a reference service and service departments.

The library structure includes: 2 subscription halls for the issuance of educational literature for long-term use; 2 reading rooms; a hall of scientific literature and periodicals; an electronic library, a recruitment department. All reading rooms are equipped with library equipment, new furniture, scanners and computers connected to the Internet and Wi-Fi.

One of the determining conditions for the effectiveness of the library is the quality of its book collection. The main criterion for forming the composition and structure of the fund is to meet the needs of all categories of readers. The library works closely with the departments and teachers of the university to form the fund.

The formation of the library fund on physical media is carried out in accordance with the regulatory requirements in force in the Republic of Kazakhstan, the curricula of KazUTB named after K.Kuklazhanov JSC and the information needs of library users and amounts to more than 124 thousand books in printed format and 3273 units on electronic media as of 12/01/2024.

The fund of the JSC K.Kulazhanov KazUTB library is universal. It contains educational, teaching-methodical, scientific, reference, fiction, periodicals and electronic publications. All the literature available in the collection is reflected until 2009 in traditional card catalogs and since 2010 in the electronic catalog, in the automated information system "Librarianship".

With the introduction of new specialties and an increase in the number of undergraduates, the problem of book availability becomes the main one in the library. This problem is being successfully solved thanks to the constant support of the university management. To ensure the satisfaction of information requests from users, the library is constantly updating information resources, replenishing them with both printed sources and information contained on electronic media.

The library has an electronic catalog that allows you to search for the necessary literature and provides access to electronic versions of individual textbooks and teaching materials.

The introduction of new information technologies into the practice of work, the formation of information resources, access to the global Internet is a worthy contribution of the library. The data transfer rate over Wi-fi allows students to actively use the University's information resources.

Unlike a printed publication, a large number of readers can work with an electronic document at the same time. The fund is maximally accessible to library users and meets the

interests of the graduate student.

Undergraduates have unlimited Internet access to the electronic catalog, full-text resources of their own library generation, and full-text resources of foreign companies. https://kaztbu.edu.kz/ru the Library tab https://lib.kazutb.kz/ru//45.8.118.87

For the user, the electronic catalog is an advertisement for the library's document collections and electronic resources. The master's student has the opportunity to conduct a comprehensive search for various types and types of documents, as well as to obtain operational information about the location of the source and its availability in real time.

The main library technological processes are being formed on the basis of the electronic catalog, and the foundation for comprehensive library automation is being laid.

The library's electronic catalog includes bibliographic information about the entire stream of documentary sources, videotapes, CD-ROMs, and other documents received by the library.

The multidimensional reflection of the library's collection in the electronic catalog makes it possible to search for information on any elements of bibliographic records, including those that cannot be used when searching in traditional catalogs, for example, by ISBN indexes, by year of publication, by word base, inventory number, title, etc.

Access of masters to the best educational resources of the world's leading foreign universities is provided through the Republican Interuniversity Electronic Library on the website http://rmebrk.kz (Kazakhstan), which combines information full-text resources of university libraries of the Republic of Kazakhstan. The RMEB provides free and wide access to the electronic libraries of universities in Kazakhstan, which offer full texts of textbooks, teaching aids, scientific, methodological materials and published articles of teaching staff, in compliance with copyright.

The library has access to the following domestic and foreign databases:

1. ThomsonReuterts (USA) - http.//it-science.thomsonreuters.com - WebofKnowledge information resources (Kazakhstan National License) include interdisciplinary and highly specialized databases: WebofScience, ConferenceProceedingsCitationIndex, BIOSIS, JournalCitationReportsThomsonReuters, which serves as a leading international search and evaluation tool for a variety of natural sciences, social sciences, and humanities.

2. Springer (Germany) - http://www.springer.com/gp/ - The electronic full-text resource of the SpringerLink database (Kazakhstan national license) includes the following products: e-books, book series, electronic reference books, magazines, archives of on-line journals, archives of on-line books, collections of on-line archives, SpringerProtocols (Protocols), SpringerMaterials (Materials), SpringerImages (Images), Zentralblatt MATH (Central Newspaper) and other materials contained in websites on architecture and design, business and economics, computer science, physics, mathematics and statistics, humanities, social sciences and law.

3. The Envoy. Reference Books - Media Overview. (Russia)- http://polpred.com. The archive of important publications is collected manually. Rubricated database: 53 industries / 600 sources / 9 federal districts of the Russian Federation / 235 countries and territories / main materials / articles and interviews of 6,000 top officials. There are a thousand news items daily, the full text in Russian. A million of the best stories from news agencies and the business press in 15 years. Export to Word, sort. Personal collections of stories and bookmarks are available from any user device. Internet services by industry and country. Polpred.com It is open from all computers of the library and the internal network. The "Access from home" link in the header polpred.com It is accessible from the library's IP addresses.

4. ScienceDirect (Netherlands) - sciencedirect.com – a resource designed to meet the needs of scientific, educational, commercial and governmental organizations in the search for information at the political level, the ScienceDirect platform provides comprehensive coverage of literature from all fields of science, providing access to more than 2,500 journal titles and more than 20,000 books from the collection of the Elsevier publishing house, as well as a huge number of journals published by prestigious scientific communities.

In order to assist in providing access to domestic library collections, the possibility of viewing and downloading on the website of JSC KazUTB named after K.Kuklazhanov, the

following agreements are presented:

Republican Interuniversity Electronic Library - agreement (No. 39 dated 05.01.2021) for the use of RMEB resources - a single database combining the electronic resources of universities in Kazakhstan and the possibility of use the resources of the electronic libraries of other RMEB participants http://www.rmeb.kz/

Republican Scientific and Technical Library - agreement (No. 16 dated 02.02.2022) on library and information services for users of the Kazakh University of Technology and Business with the Astana branch of the Republican Scientific and Technical Library http://astana.rntb.kz .

Almaty Technological University (ATU) - cooperation agreement (No. 238 dated 09/06/2019) with Almaty Technological University http://www.atu.kz /.

Paragraph - agreement (No. 01/2 dated 11.09.2019) with Infotechservice LLP for the Paragraph IP database https://prg.kz/z The library of JSC K.Kulazhanov KazUTB with reading rooms, equipped with modern computers, scanners, printers and other necessary equipment, can serve all visitors at the same time, providing access to open domestic and foreign electronic resources:

1. Kazakhstan National Electronic Library https://www.kazneb .kz is a collection of electronic copies of book editions of libraries in Kazakhstan.

2. "Modern literature of Kazakhstan" https://doc.nlrk.kz - the electronic library promotes open access to the collection of modern Kazakh literature online. One of the main tasks of the library is to increase the prestige of reading in our country by introducing the population to reading, to captivate the younger generation with the idea of reading and to preserve our distinctive culture. The library presents literature by Kazakh authors in Kazakh, Russian and English.

3. "Kazakh classical literature" http://classic.nlrk.kz / -the electronic library presents to readers classical literature by Kazakh authors in Kazakh, Russian and English languages.

4. Adebiet Portals http://adebiportal.kz <url> is a unique online resource of works by Kazakhstani and foreign authors, both of the past centuries and of the present, available in Kazakh, Russian, English and Turkish.

5. Open Library of Kazakhstan http://www.ikitap.kz / - Open Library of Kazakhstan or iKitap.KZ is an online library project aimed at consolidating and legitimately distributing artifacts of Kazakh literature and artistic creativity in Kazakh science, art and reading. The library has more than 4,000 works, more than 200 authors, about 100 audiobooks and audiovisual works. The library has a "Universal Dictionary of the Kazakh language".

6. "History of Kazakhstan" http://e-history.kz/kz - on the portal you will find scientific articles and publications, monographs and collective publications, dissertation research on the history, archeology and ethnography of the Republic of Kazakhstan. The reference information and educational portal "History of Kazakhstan" (e-history.kz) is based on the latest developments. A separate page and a number of headings have been created on the portal for each historical period. Anyone who is interested in how the history of Kazakhstan began can become a reader of rare publications, moreover, they can post their own materials. Each user can choose any of the suggested sections at will: "Electronic journal"e-history.kz " — publications of monographs, dissertations, abstracts, collections of scientific articles on history, archeology and ethnography; "Questions of the UNT"; "Interactive map" — an electronic guide to sacred places and sights of our country.

7. "Madenimura" http://www.madenimura.kz Madenimura is an information resource about the cultural heritage of Kazakhstan, which will introduce you to the rich heritage and achievements of the centuries-old spiritual and material culture of our country, with government projects to preserve it.

8. SpringerLink https://www.springeropen.com – it is a valuable information resource for researchers, scientists, teachers, undergraduates, representatives of business structures and scientific organizations for whom access to knowledge is a prerequisite for successful activity.

The International Scientbook Project http://scientbook.com / is a free information platform for scientific communication and presentation of research results. The goal of the project is to

provide free and convenient communication for novice and established researchers, and free access to scientific knowledge. The site allows you to publish and discuss articles and research, interact with representatives of educational institutions.

In addition, undergraduates receive (in the library of JSC K.Kulazhanov KazUTB or from a teacher) electronic educational and methodological complexes that allow them to view educational material and take a trial test at any time convenient for them in the reading room and computer rooms.

One of the most important reserves for improving the effectiveness of the educational process was the introduction of new information technologies into the daily practice of the library. The beginning of the introduction of computer technology in the library is 2010. Over the years, all library processes have been technically modernized, and Librarianship software has been acquired, which provides such features as:

- creation of an electronic library of books, articles and other documents;

-acquisition of the book collection, processing of literature, bibliographic description of books and maintenance of library documentation;

-creation of an electronic catalog, use of an electronic reference and search device;

- providing multiple access to the same resource;

- promptly analyze the library stock according to various indicators;

- Monthly free updates by mail or online.

In its development, the library strives to meet the requirements of a modern university. First of all, it focuses on the informatization of education, based on the widespread introduction and use of new information technologies. Since 2010, the library has implemented a program for the computerization of library processes – the automated library and Information System (AIS) "Librarianship". There is a certificate of state registration of an intellectual property object, registered under No. 039 dated February 6, 2007, the author is O.R. Dimukhametov.

The advantage of completing the fund with electronic publications is:

- simplification of the search for the necessary information;

- the ability to provide simultaneous access to multiple users;

- convenience of working with electronic texts.

All publications submitted to the library undergo bibliographic processing. Access to the library's electronic database is available in all structural divisions and on the university's website, and the library has 7 reading rooms for working with the electronic catalog. The link is "Librarianship ver. 21.0.16.07032022".

In order to create an electronic library, the Russian AIBS (Automated Information and Library System) MARK-SQL was introduced in 2021 http://45.8.118.87/marcweb2/Default.asp .

To date, more than 500 digitized e-books on the disciplines of our university's educational programs have been uploaded to the AIBS "MARK-SQL".

Information for readers on the organization of work with EBS and information systems can be obtained in the library, on the website of the university and the library.

The university pays great attention to the safety of students, evacuation trainings are conducted on an ongoing basis, upon admission to study, each graduate student is instructed on safety and fire prevention, gets acquainted with the evacuation plan in emergency situations. As part of the classes with students with special needs, all teachers of JSC KazUTB named after K.Kuklazhanov took advanced training courses on the topic of "Inclusive Education" in 2025. Conditions have been created for people with special needs to ensure a normal educational process.

The analytical part

During the inspection and analysis of the submitted documents, the VEC was convinced of the availability of the material and technical base necessary to provide high-quality educational services to students enrolled in the accredited educational program, while noting the need to significantly expand the equipment needed to conduct scientific research within the accredited educational program. This will strengthen the research component of the EP, as well as motivate students to participate in research projects, both student-led and offered by partner enterprises

under the guidance of scientific supervisors with access to the national and international levels.

The University's library fund is regularly updated, providing access to educational and scientific literature, including periodicals from Kazakhstan and abroad. Up-to-date information on subscription electronic resources is posted on the university's website in the Library (resources) section.

Access to the Web of Science, SCOPUS has been confirmed, and agreements have been concluded with international organizations to expand scientific databases. The University has developed student support mechanisms, including the Institute of guidance and the registrar's office. Financial support is provided to various categories of students, including children from large and low-income families, disabled people, international students and students under the academic mobility program.

A survey of students conducted during the visit of the VEK IAAR showed that satisfaction with:

- the availability of library resources is 84.5% (60 people);
- availability of computer classes – 81.7% (58 people);
- availability and quality of Internet resources - 78.9% (56 people).
- rest rooms for students (if available) – 57.7% (41 people).

Strengths/best practices for EP 7M071188 - Automation and Control:

- not identified.

Recommendations for EP 7M071188 - «Automation and control»:

- Draw up a long-term (at least five years) plan for the purchase (including within the framework of grant financing) of equipment necessary for conducting scientific research and integrating this equipment into the educational process (Deadline: 01.01.2026)

Conclusions of the WEC according to the criteria:

According to the Educational Program Management standard, EP 7M071188 - Automation and Control has 8 satisfactory positions and 1 assumes improvement.

6.9. The "Informing the Public" Standard

The NGO must publish reliable, objective, up-to-date information about the educational program and its specifics, which should include:
expected learning outcomes of the implemented educational program
qualifications and/or qualifications that will be awarded upon completion of the educational program
teaching and learning approaches, as well as the assessment system (procedures, methods and forms)
, information on passing grades and educational opportunities provided to students
information about graduate employment opportunities
The management of the OP should provide for a variety of ways to disseminate information, including the media, information networks to inform the general public and interested parties.
Public awareness should include support and explanation of the national development programs of the country and the system of higher and postgraduate education
The NGO must demonstrate that the information on the web resource characterizes it in general and in the context of educational programs .
An important factor is the availability of adequate and objective information about the teaching staff of the OP
An important factor is to inform the public about cooperation and interaction with partners within the framework of the OP.

The evidentiary part

The Master's degree program in the direction 7M07188 – "Automation and Control" was introduced into the unified register of educational institutions in August 2023 and was approved by experts of the Ministry of Education and Science of the Republic of Kazakhstan. The purpose of the EP is to form students' competencies that ensure their professional activity in various industries, economics, Organizational and managerial:

- managing the activities of departments and organizations involved in projects in the field of implementation of electronic automation and control tools;
- work in research institutes, scientific and industrial associations of any form of ownership, state and non-state educational institutions of any level.;

Scientific and research:

- scientific research in the field of electronics, automation and control;

Project information:

- design, development and maintenance of electronic automation systems for various branches of human activity;

Pedagogical:

implementation of educational services in the field of industrial electronics, automation and control.

Support for EP 7M07188– "Automation and control" is provided by the admissions committee of JSC K.Kulazhanov KazUTB.

The university's website contains a list of educational programs implemented by the university within the framework of training areas. Also, the portal of KazUTB named after K.Kuklazhanov JSC is functioning https://kaztbu.edu.kz/kz .

In accordance with the requirements of the credit technology of teaching, the educational process at the department is fully provided with information and teaching materials. The components of the UMOD are developed in the appropriate languages of instruction. The content of the academic programs of the disciplines is discussed annually by the faculty of the department, employers and is revised or supplemented taking into account the achievements of science and technology, as well as new requirements for the training of students. The changes and additions made are reviewed and approved at the department meeting. Detailed information on the number of educational programs, their content and a description of the core competencies acquired upon graduation is available on the website of JSC KazUTB named after K.Kuklazhanov. The capabilities of the Platonus educational system allow undergraduates to receive teaching materials and syllabuses in electronic format.

Prompt informing of students is carried out using modern means of communication. Information about the activities of structural divisions is announced at meetings of the faculty Council.

At the Academic Council, in accordance with the Work Plan for the current period, the members of the Academic Council receive information and evaluate the activities of the educational departments at the end of each semester. Every year, the Department of Information Technology, as well as each department of the University, reports on the interim results of its activities at meetings of the department, UMS, COC, meetings of the Rector's Office and is summarized by the faculty at meetings of the Academic Council. At the end of the academic year, certification activities are conducted on key performance indicators, and reports from the departments of KazUTB named after K.Kuklazhanov are approved.

All information about the educational process, grades, and attendance is available on the university's educational portal: https://kaztbu.edu.kz/kz , which provides information to all interested parties.

The student body is a set of absolute and relative indicators that largely characterize the quantitative and qualitative aspects of the university's activities. The contingent's profile is constantly monitored by the DSP office registrar. Monthly monitoring of the number of undergraduates by year of study is conducted. The student body of EP 7M07188 is "Automation and control".

Based on the results of each academic period and academic year, qualitative and quantitative characteristics are monitored, taking into account the reasons for student expulsion.

JSC K.Kulazhanov KazUTB provides assistance in finding and providing jobs to students who have studied on a state and commercial basis (preparing and holding job fairs, sending resumes to organizations, providing existing vacancies, searching for active companies and sending them letters of proposal for completing a mutual cooperation deal). Information about agreements on international cooperation and academic mobility is available on the University's website. https://kaztbu.edu.kz/kz .

The Department of Information Technology pays attention to monitoring annual employment, which allows monitoring the compliance of strategic plans with real demand, both in the market of professions and in the market of highly qualified professionals.

The results of the students allow us to identify the weaknesses and strengths of each student

and the prospects for his professional growth.

JSC K.Kulazhanov KazUTB systematically monitors data on satisfaction of stakeholders (graduates and employers) in accordance with approved procedures, regulations and instructions. The collected information on the satisfaction of graduates and enterprises is analyzed and used to improve the educational process, methodological support and to determine the list of timely educational services.

Currently, 4 people, including 1 postgraduate student, are studying in the specialty 7m07188 - Automation and control.

On the university's portal https://platonus .kaztbu.edu.kz / - full information is provided on the process of obtaining education by each graduate student for the entire period of his studies. Academic performance in all disciplines is recorded, GPA is indicated, orders and announcements are posted.

Information about each teacher is publicly available on the university's website, which provides an opportunity for magistrates and the public to receive data on the scientific and teaching activities of an employee. Open data on the results of the external evaluation of JSC KazUTB named after K. Kuklachev are posted on the web. On the educational institution's page. https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://kaztbu.edu.kz/&ved=2ahUKEwiw-5CGk5OLAxXwIhAIHTmxMIYQFnoECCcQAQ&sqi=2&usg=AOvVaw2scmECk4ul2uS0cMIbyEPv

The analytical part

An analysis of the information provided on the university's website showed that the results of the university's activities as a resource of educational, scientific networks and a national information resource are reflected in sufficient volume. The University pays special attention to issues of public awareness, preservation of the university's image and formation of competitive advantages in the education market.

The university's website contains information materials about the expected results of educational programs, payment for the period of study by levels (bachelor's, master's, doctoral), admission rules to the university, materials on the organization of the educational process; scientific and innovative activities, international relations of the university, university partners, materials on the events of the current life of the university, events held at the university, etc.

The University actively conducts career guidance work, a career guidance group is being created from among the university's teaching staff, which, according to the approved schedule, is directed to training and informing graduates of secondary schools in Almaty and the Almaty region.

The assessment of satisfaction with the university's activities, the specifics and progress of the accredited educational programs is conducted annually through questionnaires, feedback, and through the rector's blog.

The members of the Higher School of Economics note that not all information on the university's website is presented, however, it is necessary to rebrand the site (to make it convenient and attractive to consumers) and unify the placement of information in the context of personalities.

Interviews and open conversations with teachers and students during the visit of the Higher School of Economics, as well as their questionnaires during the accreditation examination of the University, showed the degree of satisfaction with the university's information resources.

A survey of students conducted during the visit of the IEC IAAR showed that 85.9% (61 people) were satisfied with the content and information content of the website of educational organizations in general and faculties (schools) in particular.

Strengths/best practices for EP 7M071188 - Automation and Control:

- not identified.

Recommendations for EP 7M071188 - «Automation and control»:

- The management of the university should develop regulations indicating the deadlines and

those responsible for publishing information on the website (including in three languages), the results of cooperation with partner universities and other documentary information (Deadline: 01.01.2026).

- The management of the university and the EP should update and unify the volume and content of information about teaching staff posted on the official website of the university, in terms of personalities, as well as to assign those responsible for the accuracy of the posted information (Deadline: 07/01/2025).

Conclusions of the WEC according to the criteria:

According to the Educational Program Management standard, EP 7M071188 - Automation and Control has 8 satisfactory positions and 2 suggest improvement.

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

For EP 7M071188 - "Automation and control":

According to the Educational Program Management standard:
Not detected.

According to the Information Management and Reporting standard:

According to the standard "Development and approval of the educational program":
Not revealed.

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

According to the standard "Student-centered learning, teaching and assessment of academic performance":
Not identified.

According to the "Students" standard:
Not detected.

According to the "Teaching staff" standard:
- The university management has developed and actively applies a highly motivating system of support for teaching staff and their incentives based on the performance of indicators, allowing teaching staff to more actively show their creative potential. The incentive system is fixed by regulatory documents and is being steadily implemented.

According to the standard "Educational resources and student support systems":
Not detected.
According to the standard "Informing the public":
Not revealed.

(VIII) OVERVIEW OF RECOMMENDATIONS FOR QUALITY IMPROVEMENT FOR EACH STANDARD

For EP 7M071188 - "Automation and control":

According to the Educational Program Management standard:

- To analyze and adjust the EP development plan in terms of identifying a separate component that determines its uniqueness in the educational services market and its development prospects (Deadline: 01.01.2026)

- To the university management, together with the head of the EP, to rework the risk management procedure and methods for reducing the negative effects of these risks on the implementation of the EP (Deadline: 01.09.2025)

- To supplement The development plan contains a section containing innovations, as well as the analysis and implementation of innovative proposals from all stakeholders (Deadline: 09/01/2026)

According to the Information Management and Reporting standard:

- The university management should ensure the implementation of planned measures for the survey of teaching staff and provide the results of the analysis as part of the reporting on the EP. And also to conduct a survey in a timely manner, followed by the publication of its results and the development of solutions to respond to proposals received during the survey (Deadline: 09/01/2025)

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

- In order to conduct professional certification of students, the management of the educational institution should develop an action plan for students to complete such certification (Deadline: 09/01/2025)

- - Consider the possibility of increasing the share of practical training in the structure of the educational institution, as well as develop a plan for the introduction of dual education (Deadline: 01/01/2026)

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

- To develop an algorithm for informing all interested parties about any planned or undertaken actions regarding the EP through all available information channels (Deadline: 09/01/2025)

- Consider the possibility of supplementing the university's website with a section for publishing all changes accepted for the EP (Deadline: 01.01.2026)

According to the standard "Student-centered learning, teaching and assessment of academic performance":

- By the beginning of the 2025-2026 academic year, the university management should develop and approve an official procedure for responding to student complaints, including clear rules for filing complaints; fixed deadlines for reviewing and informing students about decisions taken; identification of responsible persons and departments for reviewing complaints; an appeal mechanism and an independent assessment of the decision on the complaint; a system for regular monitoring and analysis of incoming complaints; and complaints.

- complete the examination of the university's infrastructure and draw up a plan for its modernization to ensure accessibility for all categories of students, as well as take into account the identified difficulties in designing new academic buildings (Deadline: 01.01.2026)

- The university management should develop a procedure for timely informing students on the applied procedures and methods for evaluating the results of mastering the OP, as well as the publication of evaluation criteria before the start of the process training in each part of the OP

(Term: 01.01.2026)

- The management of the Educational institution should develop a medium-term plan (at least three years) for the exchange of experience in teaching methods and assessment of learning outcomes both within the university and with the involvement of leading national and foreign methodologists (Deadline: 09/01/2025).

According to the "Students" standard:

- The management of the Educational institution and the university should develop a plan to increase the number of partner universities, as well as develop a set of measures to increase the number of students to implement external and internal academic mobility with achievable criteria (Deadline: 01.01.2025).

- The management of the Educational Institution should make adjustments to the development plans of the educational institution, indicating predictive values for quantitative indicators of attracting internal and external educational institutions grants (Deadline: 09/01/2024).

- The management of the University should develop a plan to expand the list of partner enterprises to strengthen the practice-oriented component of education with a focus on the relevant branch of the real sector of the economy (Deadline: 01.10.2025).

- The University management should develop a plan for the work and development of the Alumni Association, with an emphasis on improving the image of the university and attracting applicants (Deadline: 01.09.2025).

According to the "Teaching staff" standard:

- The university management should develop comprehensive measures to expand the outgoing academic mobility of teaching staff in order to acquire new, relevant competencies for improving the level of teaching (Deadline: 09/01/2025).

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

- Draw up a long-term (at least five years) plan for the purchase (including within the framework of grant financing) of equipment necessary for conducting scientific research and integrating this equipment into the educational process (Deadline: 01.01.2026)

According to the "Informing the Public" standard:

- The university management should develop regulations indicating the deadlines and those responsible for publishing information on the website (including in three languages), the results of cooperation with partner universities and other documentary information (Deadline: 01.01.2026).
- The university management and the EP should update and unify the volume and content of information posted on the website. the official website of the university provides information about teaching staff, in terms of personalities, as well as to assign those responsible for the accuracy of the posted information (Deadline: 07/01/2025).

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

Not worked out

(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL

The members of the WEC came to the unanimous opinion that EP 7M071188 - Automation and Control is recommended for accreditation for a period of 3 (three) years.

Appendix 1. Evaluation table "Conclusion of the external expert commission"

for EP 7M071188 - "Automation and control":

№ n\n	№ n\n	Evaluation criteria	The position of the educational organization			
			Strong	Satisfactory	Implies improvement	Unsatisfactory
The Educational Program Management Standard						
1	1	An organization of higher and/or postgraduate education should have a published quality assurance policy that reflects the relationship between research, teaching and learning.		+		
2	2	The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of secondary education		+		
3	3	Commitment to quality assurance should apply to any activity carried out by contractors and partners (outsourcing), including in the implementation of joint/double-degree education and academic mobility		+		
4	4	The management of the NGO demonstrates transparency in developing a development plan for the NGO, which contains a timeline for the start of implementation, based on an analysis of its functioning, the real positioning of the NGO and the focus of its activities on meeting the needs of the state, employers, students and other stakeholders.		+		
5	5	The management of the Educational institution demonstrates the existence of mechanisms for the formation and regular review of the educational development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, and making decisions aimed at continuous improvement of educational institutions		+		
6	6	The management of the EP should involve representatives of groups of stakeholders, including employers, students and teaching staff in the formation of a development plan for the EP		+		
7	7	The management of the educational institution should demonstrate the individuality and uniqueness of the educational institution's development plan, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education.			+	

8	8	The organization of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within the framework of the educational program, an unambiguous distribution of staff responsibilities, and the differentiation of functions of collegial bodies.		+		
9	9	The management of the educational institution must provide evidence of the transparency of the educational program management system.		+		
10	10.	The management of the EP must demonstrate the existence of an internal quality assurance system for the EP, including its design, management and monitoring, their improvement, and fact-based decision-making.		+		
11	11.	The management of the EP should carry out risk management, including within the framework of the EP undergoing initial accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.			+	
12	12.	The management of the educational institution should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.		+		
13	13.	The NGO should demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals.			+	
14	14.	The management of the educational institution should demonstrate evidence of willingness to be open and accessible to students, teaching staff, employers and other interested parties.		+		
15	15.	The management of the educational institution should be trained in educational management programs		+		
		Total according to the standard	0	12	3	0
The Information Management and Reporting Standard						
16	1	The NGO must demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools, and that it uses a variety of methods to collect and analyze information in the context of the EP		+		
17	2	The management of the EP should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		

18	3	The management of the EP should demonstrate fact-based decision-making		+		
19	4	A regular reporting system should be provided within the framework of the EP, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of departments and departments, and scientific research.		+		
20	5	The NGO should establish the frequency, forms and methods of evaluating the management of the EP, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects.		+		
21	6	The NGO should demonstrate the definition of the procedure and ensuring information protection, including the identification of those responsible for the reliability and timeliness of information analysis and data provision		+		
22	7	. An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
23	8	The management of the educational institution should demonstrate the existence of a mechanism for communication with students, employees and other stakeholders, as well as conflict resolution mechanisms.		+		
24	9	The NGO should demonstrate the existence of mechanisms for measuring the degree of satisfaction of the needs of teaching staff, staff and students within the framework of the EP			+	
25	10.	The NGO should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the EP		+		
		The information intended to be collected and analyzed within the framework of the EP should take into account:				
26	11.	key performance indicators		+		
27	12.	, the dynamics of the student body in terms of forms and types		+		
28	13.	, the level of academic achievement, student achievements and		+		
29	14.	graduation, student satisfaction with the implementation of the EP and the quality of education at the university		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	The NGO must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documented consent.		+		

		Total according to the standard	0	15	1	0
The standard "Development and approval of the educational program"						
32	1	The NGO should define and document procedures for the development of the EP and their approval at the institutional level.		+		
33	2	The management of the EP should ensure that the content of the EP meets the established goals, including the expected learning outcomes.		+		
34	3	The management of the EP should demonstrate the existence of mechanisms for reviewing 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.		+		
35	4	The management of the EP should ensure that there are developed models of the graduate of the EP that describe learning outcomes and personal qualities.		+		
36	5	The management of the EP should demonstrate the conduct of external examinations of the content of the EP and the planned results of its implementation.		+		
37	6	The qualifications awarded upon completion of the EP must be clearly defined and correspond to a certain level of NSC and QF-EHEA.		+		
38	7	The management of the educational institution should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
39	8	An important factor is the possibility of training students for professional certification			+	
40	9	The management of the EP should provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring its quality.		+		
41	10.	The management of the educational institution should ensure that the content of academic disciplines and planned results correspond to the level of education (bachelor's, master's, doctoral studies).		+		
42	11.	The structure of the educational program should provide for various types of activities that ensure that students achieve the planned learning outcomes.			+	
43	12.	An important factor is the correspondence of the content of the EP and the learning outcomes of the EP implemented by organizations of higher and (or) postgraduate education in the EHEA		+		
		Total according to the standard	0	10	2	0
The standard "Continuous monitoring and periodic evaluation of educational programs"						
44	1	The NGO should define mechanisms for monitoring and periodic evaluation of the educational process to ensure that the goal is achieved and the needs of students and society are met, and show the focus of		+		

		the mechanisms on continuous improvement of the educational process.				
		Monitoring and periodic evaluation of the educational program should include:				
45	2	the content of the program in the light of the latest scientific achievements in a particular discipline to ensure the relevance of the discipline being taught		+		
46	3	, changes in the needs of society and the professional environment		+		
47	4	, the workload, academic performance and graduation of students		+		
48	5	, the effectiveness of student assessment procedures.		+		
49	6	learners' expectations, needs, and satisfaction with learning by DEFINITION		+		
50	7	the educational environment and support services, and their compliance with the goals of the ADVANCED		+		
51	8	The management of the EP should demonstrate a systematic approach in monitoring and periodically evaluating the quality of the EP		+		
52	9	Oh, the management of the EP should define a mechanism for informing all stakeholders about any planned or undertaken actions regarding the EP			+	
53	10.	All changes made to the EP must be published.			+	
		Total according to the standard	0	8	2	0
The standard "Student-centered learning, teaching and assessment of academic performance"						
54	1	The management of the educational institution should ensure respect and attention to different groups of students and their needs, and provide them with flexible learning paths.			+	
55	2	The management of the educational institution should provide for the use of various forms and methods of teaching and learning		+		
56	3	An important factor is the availability of own research in the field of teaching methods of academic disciplines.		+		
57	4	The management of the educational institution should demonstrate the availability of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes.		+		
58	5	The management of the educational institution should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
59	6	The management of the educational institution should demonstrate the existence of a procedure for responding to student complaints.			+	

60	7	The NGO should ensure consistency, transparency, and objectivity of the learning outcomes assessment mechanism for each EP, including the appeal		+		
61	8	The NGO should ensure that the procedures for evaluating the learning outcomes of the students of the EP correspond to the planned results and goals of the program, and publish evaluation criteria and methods in advance.			+	
62	9	The NGO should define mechanisms for ensuring that each graduate of the educational institution achieves learning outcomes and ensures that they are fully formed.		+		
63	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly upgrade their skills in this area.			+	
		Total according to the standard	0	6	4	0
		The "Students" standard				
64	1	The NGO must demonstrate the existence of a policy for the formation of a student body in the context of the educational program, ensure transparency and publication of its procedures governing the life cycle of students (from admission to completion).		+		
		The management of the educational institution should determine the procedure for forming a contingent of students based on:				
65	2	minimum requirements for applicants		+		
66	3	, maximum group size during seminars, practical, laboratory and studio classes		+		
67	4	, and forecasting the number of government grants.			+	
68	5	analysis of available logistical, information resources, human		+		
69	6	resources, analysis of potential social conditions for students, including the provision of places in the dormitory		+		
70	7	The management of the educational institution should demonstrate its readiness to conduct special adaptation and support programs for newly enrolled and international students.		+		
71	8	The NGO must demonstrate compliance of its actions with the Lisbon Recognition Convention, the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.		+		
72	9	The NGO should cooperate 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		+		

73	10.	The NGO should provide opportunities for external and internal mobility of students, as well as willingness to assist them in obtaining external grants for training.			+	
74	11.	The management of the educational institution should demonstrate its readiness to provide students with internship places, promote the employment of graduates, and keep in touch with them.			+	
75	12.	The NGO should provide for the possibility of providing graduates with documents confirming their qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.		+		
		Total according to the standard	0	9	3	0
		The "Teaching staff" standard				
76	1	A public organization should have an objective and transparent personnel policy, including in the context of HR, including recruitment, professional growth and staff development, ensuring the professional competence of the entire staff.		+		
77	2	The NGO must demonstrate the compliance of the personnel potential of the teaching staff with the specifics of the EP		+		
78	3	The management of the EP must demonstrate awareness of responsibility for their employees and ensure favorable working conditions for them.		+		
79	4	The management of the educational institution should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.		+		
80	5	The NGO should determine the contribution of the teaching staff of the EP to the implementation of the NGO development strategy and other strategic documents		+		
81	6	The NGO should provide opportunities for career growth and professional development of teaching staff.		+		
82	7	The management of the educational institution should demonstrate its willingness to involve practitioners from relevant sectors of the economy in teaching		+		
83	8	The NGO should demonstrate motivation for the professional and personal development of the teachers of the educational institution, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods.	+			
84	9	An important factor is the willingness to develop academic mobility within the framework of the EP, to attract the best foreign and domestic teachers.			+	

		Total according to the standard	1	7	1	0
The standard "Educational resources and student Support systems"						
85	1.	The NGO must ensure that there are sufficient educational resources and student support services to ensure that the goal of the educational program is achieved.		+		
86	2.	The NGO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of educational institutions (adults, working people, foreign students, as well as students with disabilities)			+	
87	3.	The management of the educational institution should demonstrate the availability of support procedures for various groups of students, including information and counseling		+		
		The management of the educational institution should demonstrate the compliance of information resources with the specifics of the educational institution, including:				
88	4.	technological support for students and teaching staff (for example, online training, modeling, databases, data analysis programs)		+		
89	5.	library resources, including a fund of educational, methodological and scientific literature on general education, basic and profile disciplines on paper and electronic media, periodicals publications, access to scientific databases		+		
90	6.	examination of research results, graduation papers, dissertations for plagiarism		+		
91	7.	access to educational Internet resources		+		
92	8.	the operation of WI-FI on the territory of the educational organization		+		
93	9.	The NGO demonstrates planning for the provision of educational equipment and software similar to those used in the relevant sectors of the economy.		+		
		Total according to the standard	0	8	1	0
The "Informing the Public" standard						
		The NGO must publish reliable, objective, up-to-date information about the educational program and its specifics, which should include:				
94	1.	expected learning outcomes of the implemented educational program		+		
95	2.	qualifications and/or qualifications that will be awarded upon completion of the educational program		+		
96	3.	teaching and learning approaches, as well as the assessment system (procedures, methods and forms)		+		
97	4.	information on passing grades and educational opportunities provided to students		+		

98	5.	information about graduate employment opportunities		+		
99	6.	The management of the EP should provide for a variety of ways to disseminate information, including the media, information networks to inform the general public and interested parties.			+	
100	7.	Public awareness should include support and explanation of the national development programs of the country and the system of higher and postgraduate education.		+		
101	8.	The NGO must demonstrate that the information on the web resource characterizes it in general and in the context of educational programs.		+		
102	9.	An important factor is the availability of adequate and objective information about the teaching staff of the EP		+		
103	10.	An important factor is to inform the public about cooperation and interaction with partners within the framework of the EP			+	
		Total according to the standard	0	8	2	0
		in total	1	83	19	0

Appendix 2. THE PROGRAM OF THE VISIT TO THE EDUCATIONAL ORGANIZATION

AGREED
Rector of JSC K.Kulazhanov Kazakh University of Technology and Business"
_____ Baibolova L.K.
"_____" _____ 2025 year

«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ
НУ «НЕЗАВИСИМОЕ АГЕНТСТВО АККРЕДИТАЦИИ И РЕЙТИНГА»
INDEPENDENT AGENCY FOR ACCREDITATION AND RATING

APPROVING
General manager
NU "Independent Agency of Accreditation and Rating"
_____ ZhumagulovaA.B.
"_____" _____ 2025 year

program
VISIT OF THE EXTERNAL EXPERT COMMISSION OF THE INDEPENDENT AGENCY FOR ACCREDITATION AND RATING (IAAR)
JSC "K.KULAZHANOV KAZAKH UNIVERSITY OF TECHNOLOGY AND BUSINESS"
(international specialized accreditation)

Date of the visit: March 12-14, 2025
***According to Astana city time**

Cluster 1	7M07188 Automation and Control (primary accreditation)
Cluster 2	2) 7M04144 State and Local Government 3) 6 In 04103 Accounting and Auditing 4) 6 In 04107 State and Local Government
Cluster 3	5) 6B11230 Life safety and environmental protection 6) 6B05213 Ecology
Cluster 4	7) 6B07223 Technology of processing industries (by industry) 8) 6B07525 Standardization and certification (by industry) 9) 6B07220 Food technology (by industry)
Cluster 5	10) 6B11127 Tourism 11) 6 In 11126 Restaurant and hotel business
Cluster 6	12) 6B11130 Sports tourism and sightseeing and recreational activities (primary accreditation

Date and time	HEC's work with target groups	Last name, first name, patronymic and position of the target group members	Location of the event, Form of communication
		March 10, 2025	
16.00-17.00	WEC Preliminary meeting	*IAAR External Experts*	Connect to the Zoom Conference https://us02web.zoom.us/j/3892931765 Conference ID: 389 293 1765 (for ages only)
		Day 2: March 12, 2025	
10.00-10.30	Distribution of experts' responsibilities, solving organizational issues	*IAAR External Experts*	Block 1, 7th floor, 1/700 Study Hall Connect to the Zoom Conference https://us02web.zoom.us/j/3892931765 Conference ID: 389 293 1765 (for ages only)
10.30-11.00	Meeting with the Rector	**Baybolova Lyazzat Kemerbekovna - Rector of JSC K. Kulazhanov Kazakh University of Technology and Business**	**Block 1, 7th floor, Office 1/700** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
11.00-11.15	Technical break	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall**
11.15-12.00	Meeting with Vice-rectors	**1) Askarbekov Eric Birlikovich - Vice-Rector for Educational and Methodological Work** **2) Elaman Kanatovich Aybuldinov - Vice Rector for Research and External Relations** **3) Berdigaliuli Sayat - Vice-Rector for Educational and Social Work** **4) Zhandarbek Saduevich Zhanzakov – Vice-Rector for Military and Civil Defense**	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
12.00-12.15	Technical break	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall**
12.15-13.00	Meeting with heads of structural divisions	**1) Bayuzakova Altynai Seksenadilovna - Legal Support Department** **2) Shagyrbai Meiramkul Amankyzy - Accounting and Reporting Department** **3) Bayadilova Bakyt Melisovna - educational and methodological department**	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference**

		4) Abdykarimova Safira Zaitbekovna - Department of International Relations and AM **5) Tleuova Aru Amankeldievna - Personnel Management Department** **6) Madina Kapdrakhmanovna Ospanova - Editorial and Publishing Department** **7) Yoshpanov Vladimir Sarsembaevich - Marketing Department of the Admissions Committee** **8) Safuani Zhanar Yesenkulkyzy – office registrar** **9) Asset Laikovich Aitmaganbetov - Department of Technical Support and Digitalization** **10) Akbota Oryntaeva - Department of educational and social work** **11) Omarova Raushan Zhumazhanovna - Head of the library** **12) Yerkebulan Yerzhanovich Orazbekov – Administrative and Economic Management** **13) Abdinov Rauan Sharipbayevich - Department of Science and Commercialization** **14) Abdykarimova Safira Zaitbekovna - Department of International Relations and Academic Mobility** **15) Suleyman Yerlan Malsuli - Technopark specialist**	**https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
13.00-14.00	Lunch break	*IAAR External Experts*	
14.00-14.50	Meeting with the deans	**1) Mustafaev Kanat Seitkamalovich – Dean of the Faculty of Economics and Service** **2) Gulzat Skendirovna Zhunusova - Dean of the Faculty of Technology.**	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
14.50-15.00	The work of the VEC	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765 (for ages only)**
15.00-15.50	Meeting with the heads of the EP	*1) Head of the Department of Information Technology - Bulat Abutalibovich Serimbetov* *2) Head of the Department of Tourism and Service - Aliya Anarkhanovna Zhunusova* *3) Head of the Department of Chemistry, Chemical Technology and Ecology - Nurtai Zhadyra Tastenbekkyzy* *4) Head of the Department of Technology and Standardization - Baitukenova Saule Baidildaevna* *5) Head of the Department of Economics and Management - Bakhtymbet Asem Serikzy* *6) Head of the Department of Finance and Accounting - Mukushev Abzal Bazarbekovich*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**

15.50-16.00	Technical break	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
16.00-16.45	Meeting with the teaching staff	*1 cluster* *(Appendix No. 1)* *2 cluster* *(Appendix No. 2)* *Cluster 3* *(Appendix No. 3)*	**Offices / room No. 3/515** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
		4 cluster *(Appendix No. 4)* *5 cluster* *(Appendix No. 5)* *6 cluster* *(Appendix No. 6)*	**Classrooms / room 1/502** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/9623882483** **Conference ID: 962 388 2483**
16.45-17.45	Survey of teaching staff (in parallel)	*Appendix 7 (list with valid e-mail addresses)*	*The link is sent to the teacher's email address personally 5 minutes before the start of the survey*
16.45-18.00	Visual inspection of a public organization	*Appendix 8 (Cluster route with responsible persons)*	*Along the route* *Connect to the Zoom Conference* *https://us02web.zoom.us/j/3892931765* *Conference ID:* *389 293 1765*
18.00-18.30	The work of the VEC (discussion of the results and summing up the results of 1 day)	*IAAR External Experts*	**Block 1, 7th floor, Academic Hall 1/700** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
19.00-20.00	***Supper***	*IAAR External Experts*	

		Day 2: March 13, 2025	
10.00-10.30	The work of the VEC (discussion of organizational issues)	*IAAR External Experts*	**Block 1, 7th floor, Academic Hall 1/700** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
10.30-11.10	Meeting with students	*1 cluster* *(Appendix No. 9)* *2 cluster* *(Appendix No. 10)* *Cluster 3* *(Appendix No. 11)*	**Offices / room No. 3/515** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
		4 cluster *(Appendix No. 12)* *5 cluster* *(Appendix No. 13)* *6 cluster* *(Appendix No. 14)*	**Classrooms / room 1/502** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/9623882483** **Conference ID: 962 388 2483**
11.10-12.10	Student survey (in parallel)	*Appendix No. 15 (list with valid e-mail addresses)*	*The link is sent to the student's email address personally 5 minutes before the start of the survey*
11.10-11.25	Technical break	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall**
11.25-13.00	Work with department documents (documents must be uploaded to the cloud by cluster in advance, if necessary, department heads will be invited to the Zoom online room) and attend scheduled teaching staff classes (Appendix 16)	*1) Head of the Department of Information Technology - Bulat Abutalibovich Serimbetov* *2) Head of the Department of Tourism and Service - Aliya Anarkhanovna Zhunusova* *3) Head of the Department of Chemistry, Chemical Technology and Ecology - Nurtai Zhadyra Tastenbekkyzy* *4) Head of the Department of Technology and Standardization - Baitukenova Saule Baidildaevna* *5) Head of the Department of Economics and Management - Bakhtymbet Asem Serikzy* *6) Head of the Department of Finance and Accounting - Mukushev Abzal Bazarbekovich*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
13.00-	***Перерыв на обед***	*IAAR External Experts*	

14.00			
14.00-14.30	Работа ВЭК (обмен мнениями)	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
14.30-15.20	Посещение баз практик ОП (параллельно по кластерам)	*Appendix No. 17 (Route by cluster)*	По маршруту
15.30-15.40	Technical break	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall**
15.40-16.20	Meeting with employers ABOUT	*Appendix No. 18 (list for each cluster)*	**Block 1, 7th floor, 1/700 Study Hall** ***Office / room No. 3/515, 1/502*** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
16.20-16.30	Technical break	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall**
16.30-17.15	Meeting with graduates	*Appendix No. 19 (list for each cluster)*	**Block 1, 7th floor, 1/700 Study Hall** ***Office / room No. 3/515, 1/502*** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
17.10-19.00	The work of the VEC, discussion of the results of the second day and profile parameters (recording is underway)	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
19.00-20.00	Dinner	*IAAR External Experts*	

Day 3: March 14th, 2025			
10.00-11.30	The work of the VEC (development and discussion of recommendations) (recorded)	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
11.30-11.40	Technical break	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall**
11.40-13.00	The work of the VEC, the development and discussion of recommendations	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall** *(Individual work of an offline expert)*
13.00-14.00	Lunch break	*IAAR External Experts*	
14.00-16.15	The work of the VEC, discussion, decision-making by voting	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
16.15-16.30	(recording is underway)	*IAAR External Experts*	**Block 1, 7th floor, 1/700 Study Hall**
16.30-17.00	The final meeting of the WEC with the leadership of the university	*Heads of the university and structural divisions*	**Block 1, 7th floor, 1/700 Study Hall** **Connect to the Zoom Conference** **https://us02web.zoom.us/j/3892931765** **Conference ID:** **389 293 1765**
18.00-19.00	is a dinner	*IAAR External Experts*	

Appendix 3. THE RESULTS OF THE SURVEY OF TEACHING STAFF

The results of an anonymous survey of the teaching staff
K.Kulazhanov Kazakh University of Technology and Business (KazUTB)

1. Total number of questionnaires: 65

2. Your department:

Faculty of Economics and Service	37	56,9%
Faculty of Applied Sciences	28	43,1%

3. Position

Professor	10	15,4%
Docent	22	33,8%
Senior Lecturer	25	38,5%
Teacher	4	6,2%
Head of the Department	2	3,1%
Associate Professor	1	1,5%
Assistant Professor	1	1,5%

4. Academic degree, academic title

Honored Worker of the Republic of Kazakhstan (Honored Worker of the Republic of Kazakhstan)	0 man.	0%
Doctor of Science	4 man.	6,2%
Candidate of Science (candidate of science)	17 man.	26,2%
Master's degree	27 man.	41,5%
PhD	13 man.	20%
Professor	4 man.	6,2%
Associate professor	2 man.	3,1%
No	2 man.	3,1%
DBA	0 man.	0%

5. Work experience 3

Less than 1 year	10 man.	15,4%
1 year – 5 years	27 man.	41,5%
Over 5 years	28 man.	43,1%

№	Questions	Very good	good	Relatively bad	bad	Very bad	Did not respond
6	To what extent does the content of the educational program meet your scientific and professional interests and needs?	51 man. (78,5%)	14 man. (21,5%)	0 man. (0%)	0 man. (0%)	0 man. (0%)	-
7	How do you assess the opportunities provided by the University for the professional development of teaching staff	37 man. (56,9%)	27 man. (41,5%)	1 man. (1,5%)	0 man. (0%)	0 man. (0%)	-
8	How do you assess the opportunities provided by the University for the career growth of teaching staff	27 man. (41,5%)	36 man. (55,4%)	2 man. (3,1%)	0 man. (0%)	0 man. (0%)	-
9	How do you assess the degree of academic freedom of the faculty	24 man. (36,9%)	37 man. (56,9%)	3 man. (4,6%)	1 man. (1,5%)	0 man. (0%)	-
	How much can teachers use their own						
10	• • Strategies	32 man. (49,2%)	31 man. (47,7%)	2 man. (3,1%)	0 man. (0%)	0 man. (0%)	-
11	• • Methods	41 man. (63,1%)	24 man. (36,9%)	0 man. (0%)	0 man. (0%)	0 man. (0%)	-
12	• • Innovation in the learning process	40 man. (61,5%)	25 man. (38,5%)	0 man. (0%)	0 man. (0%)	0 man. (0%)	-
13	How do you rate the work on the organization of medical care and disease prevention at the university?	22 man. (33,8%)	37 man. (56,9%)	5 man. (7,7%)	1 man. (1,5%)	0 man. (0%)	-
14	How is the management of the educational institution paying attention to the content of the educational program?	46 man. (70,8%)	18 man. (27,7%)	1 man. (1,5%)	0 man. (0%)	0 man. (0%)	-
15	How do you assess the sufficiency and accessibility of the necessary scientific and educational literature in the library?	36 man. (55,4%)	31 man. (47,7%)	3 man. (4,6%)	0 man. (0%)	0 man. (0%)	-
16	Assess the level of conditions created that take into account the needs of different groups of students	36 man. (55,4%)	29 man. (44,6%)	0 man. (0%)	0 man. (0%)	0 man. (0%)	-
	Evaluate the accessibility of the manual						
17	• • Students	38 man. (58,5%)	26 man. (40%)	1 man. (1,5%)	0 man. (0%)	0 man. (0%)	-

18	• • Teachers	41 man. (63,1%)	21 man. (32,3%)	3 man. (4,6%)	0 man. (0%)	0 man. (0%)	-
19	Evaluate the involvement of the teaching staff in the process of making managerial and strategic decisions	25 man. (38,5%)	37 man. (56,9%)	3 man. (4,6%)	0 man. (0%)	0 man. (0%)	-
20	How is the innovative activity of teaching staff encouraged?	27 man. (41,5%)	33 man. (50,8%)	4 man. (6,2%)	0 man. (0%)	1 man. (1,5%)	-
21	Evaluate the feedback level of the teaching staff with the management	33 man. (50,8%)	30 man. (46,2%)	1 man. (1,5%)	1 man. (1,5%)	0 man. (0%)	-
22	What is the level of stimulation and involvement of young professionals in the educational process?	25 man. (38,5%)	36 man. (55,4%)	3 man. (4,6%)	1 man. (1,5%)	0 man. (0%)	-
23	Evaluate the created opportunities for professional and personal growth for each teacher and staff member	31 man. (47,7%)	30 man. (46,2%)	3 man. (4,6%)	1 man. (1,5%)	0 man. (0%)	-
24	Assess the adequacy of recognition of teachers' potential and abilities	29 man. (44,6%)	35 man. (53,8%)	1 man. (1,5%)	0 man. (0%)	0 man. (0%)	-
	How is the job set up?						
25	• • Academic mobility	32 man. (49,2%)	29 man. (44,6%)	4 man. (6,2%)	0 man. (0%)	0 man. (0%)	-
26	• • Professional development of teaching staff	45 man. (69,2%)	19 man. (29,2%)	1 man. (1,5%)	0 man. (0%)	0 man. (0%)	-
	Appreciate the support of the university and its management						
27	• • Scientific and research initiatives of the Faculty	31 man. (47,7%)	32 man. (49,2%)	1 man. (1,5%)	1 man. (1,5%)	0 man. (0%)	-
28	• • Development of new educational programs/academic disciplines/methods	42 man. (64,6%)	21 man. (32,3%)	2 man. (3,1%)	0 man. (0%)	0 man. (0%)	-
	Evaluate the faculty's ability to combine teaching						
29	• • With scientific research	26 man. (40%)	34 man. (52,3%)	3 man. (4,6%)	2 man. (3,1%)	0 man. (0%)	-
30	• • With practical activities	25 man. (38,5%)	32 man. (49,2%)	7 man. (10,8%)	0 man. (0%)	1 man. (1,5%)	-
31	Evaluate how students' knowledge acquired at this university corresponds to the realities of the requirements of the modern labor market.	29 man. (44,6%)	34 man. (52,3%)	2 man. (3,1%)	0 man. (0%)	0 man. (0%)	-
32	How does the management and administration of the university perceive criticism?	11 man. (16,9%)	52 man. (80%)	1 man. (1,5%)	0 man. (0%)	1 man. (1,5%)	-
33	Evaluate how your academic workload meets your expectations and capabilities.	28 man. (43,1%)	34 man. (52,3%)	2 man. (3,1%)	1 man. (1,5%)	0 man. (0%)	-
34	Evaluate the focus of educational programs/training programs on the formation of students' skills and abilities to analyze the situation and make forecasts	29 man. (44,6%)	36 man. (55,4%)	0 man. (0%)	0 man. (0%)	0 man. (0%)	-
35	Evaluate how the educational program meets the expectations of the labor market and employers in terms of content and quality of implementation.	32 man. (49,2%)	33 man. (50,8%)	0 man. (0%)	0 man. (0%)	0 man. (0%)	-

36. Why do you work at this university?

I like this university.
The university's image is high. The incentive measures are very high.
My specialty
BY PROFESSION
I like the processes of innovation and innovation
BY PROFESSION
Working conditions, team
I am impressed by the spiritual and professional potential of my colleagues
Kazutb has developed a social network. Responsibility and sustainable development.
like
Relatively higher salary than in other universities
I've been working for a long time, the team is good
The salary is higher than other universities
Friendly atmosphere at the department, active scientific and pedagogical activity
The only university in the capital that trains specialists in mining
I work at this university because favorable conditions have been created here for teaching and research, and there are opportunities for professional growth.
The salary
Salary
Like
There is a possibility of scientific potential growth
and I get full satisfaction from my work.
A good team
According to my current requirements
I like working here
Having knowledge and experience to pass on to young people
A comfortable climate and great opportunities for further growth
A good team
It is convenient to combine work and science. Good PO, motivation is welcome

An important factor is that the university supports work in scientific projects and research.
Like,
Higher wages
I got a job by chance, I like the attitude of the teaching staff at the Department.
I really like this University, the high salary, the attitude towards teaching staff

Educational programs are interesting in the specialty
It provides many opportunities for professional growth
According to the place of residence
A promising university with all the opportunities for professional development and the development of educational programs.
There are many advantages of this University
Because we have a friendly team and a good academic aura.
This is my comfort zone.
Work related to the field of Ecology
At the moment, the university gives me all the opportunities for growth and development.
I'm studying at another university.
This is because it creates favorable conditions for the worker and the salary is high
The conditions for teachers are created
Because I really like the K. Kulazhanov Kazakh University of technology and business in all respects
I like this university, first of all, the staff of the university is focused on education and upbringing, there is a high level of culture among teachers and students, moral qualities and organization. In my pedagogical activity, I worked at only two universities. I came from Almaty with a family background from the National University and got a job at this university. I really like the University in all respects!
The salary is good, the atmosphere is friendly
Growth prospects, salary, warm team
I like the working conditions.
Because the relationship and salary are good
There are many opportunities for research and development, as well as good career prospects, and sufficient pay.
Favorite job
I really love my profession and children. I want them to be qualifications and requirements.
I like KazUTB

37. How often do master classes and readings of topics with the participation of practitioners take place as part of your course?

Very often	17 man.	26,2%
Often	32 man.	49,2%
Sometimes	14 man.	21,5%
Very rare	1 man.	1,5%
Absolutely not	1 man.	1,5%

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

Very often	12 man.	18,5%
Often	34 man.	52,3%
Sometimes	17 man.	26,2%
Very rare	2 man.	3,1%
Absolutely not	0 man.	0%

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

	Часто	**Иногда**	**Никогда**	**Нет ответа**
Lack of classrooms	2 man. 3,1%	25 man. (38,5%)	38 man. (58,5%)	-
Unbalanced academic load by semester	4 man. 6,2%	24 man. (36,9%)	37 man. (56,9%)	-
Unavailability of necessary literature in the library	1 man. 1,5%	23 man. (35,4%)	41 man. (63,1%)	-
Overcrowding of study groups (too many students in a group)	1 man. 1,5%	15 man. (23,1%)	49 man. (75,4%)	-
Inconvenient schedule	3 man. 4,6%	20 man. (30,8%)	42 man. (64,6%)	-
Inappropriate classroom conditions		19 man. 29,7%	45 man. (70,3%)	-
Lack of Internet access/weak Internet connection	5 man. 7,7%	20 man. (30,8%)	40 man. (61,5%)	-
Students' lack of interest in learning	1 man. 1,5%	28 man. (43,1%)	36 man. (55,4%)	-
Late receipt of information about events	3 man. 4,6%	11 man. (16,9%)	51 man. (78,5%)	-
Lack of technical facilities in the classrooms	2 man.	24 man.	39 man.	-

	3,1%	(36,9%)	(60%)	
Other issues	No problem net No problems Net Planar and annual updating of the modern educational and scientific material base All problems There is no assembly hall CHS SRS, SRS do not learn Poka what to see No What can I do? No problems It would be nice if the salary was brought to 350,000-400,000 tenge aoal in accordance with this fixed load. It would be nice to give a reward in between. Test net Magistracy need to open Netu Everything suits Test net No Opening interest will only be held during the competition No other problem no other problem There were no other problems No problem The competition for the release of PPS every year no problem what a terrible problem			

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

Question	Completely satisfied	Partially satisfied	Not satisfied	I find it difficult to answer
The attitude of the university management towards you	50 man. (76,9%)	14 man. (21,5%)	0 man. (0%)	1 man. (1,5%)
Relations with direct management	50 man. (76,9%)	14 man. (21,5%)	1 man. (1,5%)	0 man. (0%)
Relations with colleagues at the department	58 man. (89,2%)	7 man. (10,8 %)	0 man. (0 %)	0 man. (0%)
Participation in management decision-making	43 man. (66,2%)	21 man. (32,3%)	1 man. (1,5%)	0 man. (0%)
Relations with students	60 man. (92,3%)	5 man. (7,7%)	0 man. (0%)	0 man. (0%)
Recognition of your successes and achievements by the administration	45 man. (69,2%)	16 man. (24,6%)	1 man. (1,5%)	3 man. (4,6%)
Support for your suggestions and comments	46 man. (70,8%)	17 man. (26,2%)	1 man. (1,5%)	1 man. (1,5%)
Activities of the university administration	53 man. (81,5%)	12 man. (18,5%)	0 man. (0%)	0 man. (0%)
Terms of payment	43 man. (66,2%)	21 man. (32,3%)	1 man. (1,5%)	0 man. (0%)
Working conditions, list and quality of services provided at the university	49 man. (75,4%)	16 man. (24,6%)	0 man. (0%)	0 man. (0%)
Occupational safety and health	57 man. (87,7%)	7 man. (10,8%)	1 man. (1,5%)	0man. (0%)
Managing changes in the university's activities	49 man. (75,4%)	16 man. (24,6%)	0 man. (0%)	0 man. (0%)
By providing a social package: rest, sanatorium treatment, etc.	23 man. (35,4%)	23 man. (35,4%)	13 man. (20%)	6 man. (9,2%)
Organization and quality of meals at the university	39 man. (60%)	18 man. (27,7%)	5 man. (7,7%)	3 man. (4,6%)
Organization and quality of medical care	41 man.	16 man.	3 man.	5 man.

	(63,1%)	(24,6%)	(4,6%)	(7,7%)

Appendix 4. RESULTS OF THE STUDENT SURVEY

The results of an anonymous student survey
K.Kulazhanov Kazakh University of Technology and Business (KazUTB)

Total number of questionnaires: 71

1. your educational program (your educational program)?

7M07188 Automation and Control	0	0
7M04144 State and Local Government	13	18,3%
6B04103 Accounting and Auditing	0	0
6B04107 State and Local Government	7	9,9%
6B11230 Life safety and Environmental protection	0	0
6B05213 Ecology	0	0
6B07223 Processing technology (by industry)	5	7%
6B07525 Standardization and certification (by industry)	16	22,5%
6B07220 Food technology (by industry)	1	1,4%
6B11127 Tourism	8	11,3%
6B11126 Catering and hospitality	18	25,4%
6B11130 Sports tourism and sightseeing and recreational activities	2	2,8%
Economics and Service	1	1,4%

2. Your Gender

Man	46 man.	64,8 %
Woman	25 man.	35,2 %

3. Evaluate how satisfied you are with the following situations:

Questions	Completely satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	I find it difficult to answer
1. Relations with the Dean's office	58 man. (81,7%)	12 man. (16,9%)	1 man. (1,4%)	0 man. (0 %)	0 man. (0 %)
2. The Dean's office's accessibility level	62 man. (87,3%)	6 man. (8,5%)	2 man. (2,8 %)	1 man. (1,4 %)	0 man. (0 %)
3. The level of accessibility and responsiveness of the university management	60 man. (84,5%)	7 man. (9,9%)	4 man. (5,6%)	0 man. (0 %)	0 man. (0 %)
4. The availability of academic counseling to you	59 man. (83,1 %)	9 man. (12,7%)	2 man. (2,8%)	0 man. (0 %)	1 man. (1,4%)
5. Support of educational materials in the learning process	63 man. (88,7%)	7 man. (9,9%)	0 man. (0 %)	0 man. (0 %)	1 man. (1,4 %)
6. Availability of personal counseling	60 man. (84,5%)	9 man. (12,7 %)	1 man. (1,4%)	0 man. (0 %)	1 man. (1,4%)
7. The relationship between student and teacher	57 man. (80,3%)	12 man. (16,9%)	1 man. (1,4 %)	0 man. (0 %)	1 man. (1,4%)
8. Financial and administrative services of the educational institution	55 man. (77,5%)	14 man. (19,7 %)	1 man. (1,4 %)	0 man. (0 %)	1 man. (1,4%)
9. Accessibility of healthcare services	54 man. (76,1%)	13 man. (18,3%)	1 man. (1,4 %)	1 man. (1,4 %)	2 man. (2,8%)
10. The quality of medical care at the university	56 man. (78,9%)	11 man. (15,5%)	0 man. (0 %)	0 man. (0 %)	4 man. (5,6%)
11. The level of accessibility of library resources	60 man. (84,5%)	7 man. (9,9%)	2 man. (2,8%)	1 man. (1,4 %)	1 man. (1,4 %)
12. The quality of services provided in libraries and reading rooms	62 man. (87,3%)	7 man. (9,9%)	0 man. (0 %)	1 man. (1,4 %)	1 man. (1,4 %)
13. Satisfaction with the existing educational resources of the university	58 man. (81,7%)	12 man. (16,9%)	0 man. (0 %)	1 man. (1,4 %)	0 man. (0 %)

Questions	Completely satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	I find it difficult to answer
14. Availability of computer classes	58 man. (81,7%)	10 man. (14,1%)	0 man. (0 %)	3 man. (4,2%)	0 man. (0 %)
15. Availability and quality of Internet resources	56 man. (78,9%)	12 man. (16,9%)	2 man. (2,8%)	1 man. (1,4 %)	0 man. (0 %)
16. The content and information content of the website of educational organizations in general and faculties (schools) in particular	61 man. (85,9%)	8 man. (11,3%)	2 man. (2,8%)	0 man. (0 %)	0 man. (0 %)
17. Classrooms, classrooms for large groups	53 man. (74,6%)	12 man. (16,9%)	6 man. (8,5%)	0 man. (0 %)	0 man. (0 %)
18. Rest rooms for students (if available)	41 man. (57,7 %)	13 man. (18,3 %)	9 man. (12,7 %)	4 man. (5,6 %)	4 man. (5,6 %)
19. Clarity of the procedure for taking disciplinary action	58 man. (81,7%)	10 man. (14,1%)	0 man. (0 %)	0 man. (0 %)	3 man. (4,2%)
20. The quality of the educational program as a whole	58 man. (81,7%)	13 man. (18,3 %)	0 man. (0 %)	0 man. (0%)	0 man. (0 %)
21. The quality of educational programs in the EP	58 man. (81,7%)	11 man. (15,5%)	1 man. (1,4%)	0 man. (0%)	1 man. (1,4%)
22. Teaching methods in general	60 man. (84,5%)	11 man. (15,5%)	0 man. (0%)	0 man. (0%)	0 man. (0%)
23. Responsiveness to feedback from teachers regarding the learning process	58 man. (81,7%)	12 man. (16,9%)	1 man. (1,4%)	0 man. (0%)	0 man. (0%)
24. The quality of teaching in general	61 man. (85,9%)	10 man. (14,1%)	0 man. (0 %)	0 man. (0%)	0 man. (0%)
25. Academic workload/student requirements	56 man. (78,9%)	12 man. (16,9%)	2 man. (2,8%)	1 man. (1,4%)	0 man. (0 %)
26. The requirements of the teaching staff for the student	54 man. (76,1%)	14 man. (19,7 %)	1 man. (1,4%)	1 man. (1,4%)	1 man. (1,4%)
27. Information support and explanation of the rules of admission and the strategy of the educational program (specialty) before admission to the university	57 man. (80,3%)	13 man. (18,3%)	0 man. (0 %)	1 man. (1,4%)	0 man. (0 %)
28. Informing the requirements in order to successfully complete the given educational program (specialty)	61 man. (85,9%)	9 man. (12,7 %)	1 man. (1,4%)	0 man. (0 %)	0 man. (0 %)
29. The quality of examination materials (tests and exam questions, etc.)	62 man. (87,3%)	9 man. (12,7%)	0 man. (0 %)	0 man. (0 %)	0 man. (0 %)
30. The objectivity of the assessment of knowledge, skills and other academic achievements	58 man. (81,7%)	13 man. (18,3%)	0 man. (0 %)	0 man. (0 %)	0 man. (0 %)
31. Available computer classes	57 man. (80,3%)	11 man. (15,5%)	0 man. (0 %)	1 man. (1,4%)	2 man. (2,8%)
32. Available scientific laboratories	55 man. (77,5%)	11 man. (15,5%)	0 man. (0 %)	1 man. (1,4%)	4 man. (5,6 %)
33. The objectivity and fairness of teachers	54 man. (76,1%)	16 man. (22,5 %)	1 man. (1,4 %)	0 man. (0 %)	0 man. (0 %)
34. Informing students about courses, educational programs, and academic degrees.	59 man. (83,1%)	10 man. (14,1%)	0 man. (0 %)	0 man. (0 %)	2 man. (2,8%)
35. Providing students with a dormitory	55 man. (77,5%)	9 man. (12,7%)	2 man. (2,8 %)	0 man. (0 %)	5 man. (7%)

39. Rate how much you agree.:

Statement	Full consent	I agree	I partially agree	I disagree	Complete disagreement	They didn't answer
1. The course program was clearly presented	54 man. (76,1%)	16 man. (22,5%)	1 man. (1,4%)	0 man. (0 %)	0 man. (0 %)	-
2. The course content is well structured	57 man. (80,3%)	12 man. (16,9 %)	2 man. (2,8 %)	0 man. (0 %)	0 man. (0 %)	-
3. The key terms are sufficiently explained	56 man. (78,9%)	15 man. (21,1%)	0 man. (0 %)	0 man. (0 %)	0 man. (0 %)	-

4. The material proposed by the teacher is relevant and reflects the latest achievements of science and practice	53 man. (74,6%)	18 man. (25,4%)	0 man. (0 %)	0 man. (0 %)	0 man. (0 %)	-
5. The teacher uses effective teaching methods	54 man. (76,1%)	16 man. (22,5%)	1 man. (1,4%)	0 man. (0 %)	0 man. (0 %)	-
6. The teacher knows the taught material	54 man. (76,1%)	17 man. (23,9%)	0 man. (0 %)	0 man. (0 %)	0 man. (0 %)	-
7. The teacher's presentation is clear	54 man. (76,1%)	17 man. (23,9%)	0 man. (0 %)	0 man. (0 %)	0 man. (0 %)	-
8. The teacher presents the material in an interesting way	52 man. (73,2%)	17 man. (23,9%)	2 man. (2,8%)	0 man. (0 %)	0 man. (0 %)	-
9. Objective assessment of knowledge, skills and other educational achievements	57 man. (80,3%)	13 man. (18,3%)	1 man. (1,4%)	0 man. (0 %)	0 man. (0 %)	-
10. Timely assessment of students' academic achievements	57 man. (80,3%)	13 man. (18,3%)	1 man. (1,4%)	0 man. (0 %)	0 man. (0 %)	-
11. The teacher satisfies my requirements for personal development and professional development	55 man. (77,5%)	11 man. (15,5%)	4 man. (5,6 %)	1 man. (1,4%)	0 man. (0 %)	-
12. The teacher stimulates the activity of students	53 man. (74,6%)	16 man. (22,5%)	2 man. (2,8 %)	0 man. (0 %)	0 man. (0 %)	-
13. The teacher stimulates students' creative thinking	52 man. (73,2%)	16 man. (22,5%)	3 man. (4,2 %)	0 man. (0 %)	0 man. (0 %)	-
14. The teacher's appearance and manners are adequate	58 man. (81,7%)	11 man. (15,5%)	2 man. (2,8%)	0 man. (0 %)	0 man. (0 %)	-
15. The teacher shows a positive attitude towards students	56 man. (78,9%)	13 man. (18,3%)	2 man. (2,8%)	0 man. (0 %)	0 man. (0 %)	-
16. The academic achievement assessment system (seminars, tests, questionnaires, etc.) reflects the content of the course	54 man. (76,1%)	14 man. (19,7%)	3 man. (4,2%)	0 man. (0 %)	0 man. (0 %)	-
17. The evaluation criteria used by the teacher are clear	52 man. (73,2%)	18 man. (25,4%)	1 man. (1,4%)	0 man. (0 %)	0 man. (0 %)	-
18. The teacher objectively evaluates the achievements of students	56 man. (78,9%)	14 man. (19,7%)	1 man. (1,4%)	0 man. (0 %)	0 man. (0 %)	-
19. The teacher speaks a professional language	57 man. (80,3%)	12 man. (16,9 %)	2 man. (2,8%)	0 man. (0 %)	0 man. (0 %)	-
20. The organization of education provides sufficient opportunities for sports and other leisure activities	48 man. (67,6%)	18 man. (25,4 %)	2 man. (2,8%)	2 man. (2,8%)	1 man. (1,4%)	-
21. Facilities and facilities for students are safe, comfortable and modern	52 man. (73,2%)	15 man. (21,1%)	4 man. (5,6%)	0 man. (0 %)	0 man. (0 %)	-
22. The library is well equipped and has a fairly good collection of books	54 man. (76,1%)	15 man. (21,1%)	2 man. (2,8%)	0 man. (0 %)	0 man. (0 %)	-
23. Equal opportunities are provided to all students	55 man. (77,5%)	16 man. (22,5%)	0 man. (0 %)	0 man. (0 %)	0 man. 0 %)	-

40. Other problems regarding the quality of teaching (Baska musseler):
(Other problems):
No.There are no other problems. I'm satisfied.
No problem. Jock.
No other problems
No, I liked everything
I like everything, so I don't think there's a problem.
There are no other problems.
There is no other problem
Everything is fine, but teachers need to be more active and be able to interest students.
I have not encountered it.
No problem, I'm happy. No
Everything is fine with us, and I am pleased with all the teachers and the dean's office.
Everything is at a high level