



«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 the evaluation of compliance with the standards of specialized  
accreditation of the educational program

6B07207- Technology of food products

7M07207 - Technology of food products (by industry)

6B07208- Technology of Processing Industries (by industry)

7M07208 - Technology of Processing Industries (by industry)

Kazakh National Agrarian Research University

**INDEPENDENT ACCREDITATION AND RATING AGENCY**  
**External expert commission**

**Addressed to**  
**IAAR**  
**Accreditation Council**



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**7M07207 - Technology of food products (by industry)**  
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**Kazakh National Agrarian Research University**

**Almaty**

**"04" March 2022**

## CONTENT

(I) LIST OF SYMBOLS AND ABBREVIATIONS .....	3
(II) INTRODUCTION .....	4
(III) DESCRIPTION OF THE EDUCATIONAL ORGANIZATION .....	5
(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCESS.....	7
(V) DESCRIPTION OF THE EXTERNAL EXPERT COMMISSION VIZIT .....	7
(VI) COMPLIANCE WITH THE STANDARDS OF SPECIALIZED ACCREDITATION.....	8
6.1. Standard "Management of Educational Program".....	8
6.2. Standard " Information Management and Reporting " .....	10
6.3. Standard "Development and approval of the Educational Programme" .....	11
6.4. Standard "On-Goig Monitoring and Periodic Review of Educational Programme" .....	12
6.5. Standard "Student-Centered Learning, Teaching and Performance Evaluation" .....	14
6.6. Standard "Students" .....	16
6.7. Standard "Teaching Staff" .....	18
6.8. Standard "Education Resources and Student Support Systems" .....	20
6.9. Standard " Public Information" .....	27
(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES OF EACH STANDARD.....	27
(VIII) OVERVIEW OF RECOMMENDATIONS ON QUALITY IMPROVEMENT .....	29
(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE EDUCATIONAL ORGANIZATION.....	30
(X) RECOMMENDATION TO THE ACCREDITATION BOARD .....	30
Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS" .....	31
Appendix 2. Program of the visit of the external expert commission.....	39
Appendix 3. Results of the survey of teaching staff .....	43
Appendix 4. Results of the students' survey .....	48

(I) LIST OF SYMBOLS AND ABBREVIATIONS

MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MA RK	Ministry of Agriculture of the Republic of Kazakhstan
NAS RK	National Academy of Sciences of the Republic of Kazakhstan
NPJSC	Non-profit joint stock company
KazNARU	Kazakh National Agrarian Research University
LD	legal documents
EP	educational program
GED	general education disciplines
BD	basic disciplines of EP
MD	major disciplines
ORDS	office of registration and documents of students
SSP	standard study plan
WC	working curriculum
RW	research work
QMS	Quality Management System
TS	teaching staff
EMCD	educational and methodological complex of the discipline
EMCS	educational and methodical complex of the specialty
IWST	independent work of the student with the teacher
UNT	unified national testing
CT	comprehensive testing
IWDS	independent work of a doctoral student
DRW	doctoral research work
CC	certifying commission
RL	research laboratory
RI	Research Institute
CED	catalog of elective disciplines
MSIWP	Master student's individual work plan
IWPDS	individual work plan of a doctoral student
HR	human resources

## (II) INTRODUCTION

In accordance with the Order of the General Director of the Independent Agency for Accreditation and Rating № 13-22-OD of 14.01.2022 in the Kazakh National Agrarian Research University by an external expert commission was conducted a quality assessment of educational programs 6B07207- Technology of food products, 7M07207 - Technology of food products (by industry), 6B07208- Technology of Processing Industries (by industry), 7M07208 - Technology of Processing Industries (by industry) to meet the standards of specialized accreditation IAAR.

The external audit was conducted in accordance with the external audit program, there were a meeting with the university management, with the heads of departments, interviews with deans and heads of departments, with representatives of practice bases, with teachers and students, with employers and graduates of the university. This allowed to get information on the general activities of the university, its achievements and development prospects. All necessary materials for the work (visit program, report on self-assessment of educational programs of the university, Guidelines on the organization and conduct of external evaluation for the procedure of specialized accreditation, templates of external audit reports, recommendations for experts, etc.) were provided to the members of the expert group before the visit to the educational organization, which provided an opportunity to prepare for the external evaluation procedure in time.

The report of the External Expert Commission (EEC) contains the evaluation of educational programs to the IAAR standards criteria, recommendations of the EEC on improving the quality of educational programs and the conclusion of the external expert commission according to the criteria of the specialized accreditation standards.

### **Members of EEC**

Chairman of EEC – Vorob'eva Svetlana Leonidovna, Doctor of Agricultural Sciences, Professor, Vice-Rector for Educational and Educational Activities of the Izhevsk State Agricultural Academy, expert of the Federal Accreditation Agency (Izhevsk, Russian Federation);

Foreign expert IAAR - Starchuk Nikolaj Vasil'evich, Doctor of veterinary Sciences, Professor, State Agrarian University of Moldova (SAUM);

Foreign expert IAAR – Vasilenko Zoya Vasil'evna, Doctor of technical Sciences, Professor, Corresponding Member of the National Academy of Sciences of Belarus, Honored Scientist of the Republic of Belarus, Belarusian State University of Food and Chemical Technologies (Minsk, Belarus);

Foreign expert IAAR – Suhanova Svetlana Fail'evna, Doctor of Agricultural Sciences, Professor, Vice-Rector for Research Kurgan State Agricultural Academy named after T.S. Maltsev (Kurgan, Russian Federation);

Expert IAAR – Nurgazezova Alma Nurgazezovna, Candidate of technical Sciences, associated professor, Shakarim University (Semej);

Expert IAAR – Kurmangalieva Dina Bakytkozhaevna, Doctor of technical Sciences, S.Seifullin Kazakh Agrotechnical University (Nur-Sultan);

Expert IAAR – Bauzhanova Lyajlya Maulyutkanovna, Candidate of veterinary Sciences, associated professor, Toraighyrov University (Pavlodar);

Employer – Alimbaev Said Tolegenovich, Deputy Director of the Department of Trade and Small Business Development of NCE RK "Atameken" (Nur-Sultan);

Employer – ZHantleuov Daniyar Amangel'dinovich, Candidate of Agricultural Sciences, employee of North-Kazakhstan Research Institute of Livestock and Crop production (Petrovsk);

Student – Uahit Rabiga, Докторант, member of the Alliance of Students of Kazakhstan, S.Seifullin Kazakh Agrotechnical University (Nur-Sultan);

Student – Abdykarimov Bauyrzhan Bejsenbaevich, member of the Alliance of Students of Kazakhstan, Al-Farabi Kazakh National University (Almaty);

Student – Arstanbekova Dina ZHanbolatovna, member of the Alliance of Students of

Kazakhstan, Kazakh University of Technology and Business (Nur-Sultan);

Student – Ahmetova Asylzhan, member of the student trade union «Senim», L.N. Gumilyov Eurasian National University (Nur-Sultan);

IAAR Coordinator – Gulfiya Nazyrova, Candidate of Economy, Project Manager for Review Panel Members IAAR (Nur-Sultan).

### (III) DESCRIPTION OF THE EDUCATIONAL ORGANIZATION

Kazakh National Agrarian Research University was established in 1996 on the basis of two institutes: the Almaty Zooveterinary Institute, which was founded in 1929 and the Kazakh Agricultural Institute (1930).

In 2001 by the Decree of the President of the Republic of Kazakhstan N.A. Nazarbayev the University was granted the status of National University.

In 2010 the University began the transformation into the National Research University, and was awarded the status in 2020.

NPJSC KazNARU has a state license number №KZ89LAA00031870 from August 05, 2021 to conduct educational activities in the field of higher and postgraduate vocational education. KazNARU underwent the procedure of institutional accreditation at the ULE of Kazakhstan Association of Engineering Education KAZSEE. Accreditation certificate №1920 KE 0025 (12.06.2019 - 12.06.2024).

Today the University is: the Republican Educational-Methodological Council of the UMO-GUP; Coordinator for the development of academic mobility (implemented through the Global Consortium, as well as projects and programs Tempus, Erasmus Mundus, Bolashak, DAAD, FET and others); Member of the Global Consortium, uniting more than 300 agricultural universities of the world; Member of 8 international consortia.

In 2020, KazNARU opened an Institute to work with Wageningen University, where training in two educational programs WUR "Plant Science and Technology", "Veterinary and Food Safety and Technology", in 2021 accredited by the international agency ACQUIN at the University of Applied Sciences Weinsten (Germany). A double diploma master's program "Water resources management using IT technologies" is implemented with the Warsaw University of Natural Sciences (Poland), two programs "Land reclamation, reclamation and protection" and "Water resources" are also developed with the Brest State Technical University and the University of Vytautas the Great (Lithuania).

The university annually organizes international summer and winter schools, the participants of which are scientists from European partner universities, undergraduates from foreign and Kazakhstani universities <http://www.kaznaru.edu.kz/>. The University moved up by 150 positions in QS Global Ranking for the last 3 years and in 2021 it was 551st place. Totally more than 1600 higher educational institutions from 93 countries took part in the QS rating this year. In the ranking QS Developing Europe and Central Asia the university took 83rd place out of 400 participating higher educational institutions. The university is in top ten of the International rating "IAAR Eurasian University Ranking (IAAR EUR) - 2021" and was awarded the nomination "IAAR EUR Agricultural University Award". In top 50 best scientists of Kazakhstan the national IAAR rating includes 7 researchers of the university. According to data of international information-analytical platform Web of Science for the second time in a row the university became the holder of independent award "Leader by quantity of publications in Q1 and Q2 quartiles of Web of Science Core Collection for the last 3 years among agrarian universities of CIS". The university occupies leading positions in national institutional and program university rankings of IQAA, IAAR, RRA. In the last academic year, the university was ranked 4th in the Antiplagiat-killer rating.

KazNARU has the Agrotechnological HUB, Kazakhstan-Japan Innovation Center, Scientific and Educational Innovation Center, Kazakhstan-Korean Innovation Center, Water Innovation Center (Water hub), Kazakhstan-Belarus Innovation Center, Gardening and Vegetables Research

Center, Kazakhstan-Netherlands Intensive Garden Center, International Innovation Center of Vaccinology, Educational and Experimental Farm "AgroUniversity", Innovative Greenhouse, N. Nazarbayev, Center for Education and Science, Situation Center, Sanaly Urpak Club.

The University implements educational programs for 45 Bachelor's degree programs, 2 - special higher education, 129 - Master's degree programs and 35 - Doctoral PhD programs. At 5 faculties, 1 Higher School of Business and Law and 1 Institute of SGD and B named after O. Suleimenov, 31 departments and 1 military department study more than 7 thousand people, including about 600. master and PhD students, which is 8%. The share of students on state educational grants is 71%.

Training is conducted by 727 teachers, including 10 academicians of National Academy of Sciences, 64 doctors and 200 candidates of sciences, 58 PhD doctors. The proportion of teachers with scientific degrees and titles from the number of full-time faculty is 52%.

The contingent of students at the University as of 01.03.2022 is a total of 7024 people, including: on the basis of state educational grant - 4502. Students of distance learning - 766, undergraduates - 447, including 363 on the state order; doctoral students - 129, including 128 on the state order.

*The contingent of students of the accredited EP of cluster 1:*

6B07207 Technology of Food Products- 291 students, including in the state language - 201, including: on the basis of the state educational grant - 268 people, on a commercial basis - 23, distance - 3 students;

- 7M07207 Technology of Food Products (by industry)- - 4 master students, including: on the basis of the state educational grant - 2 persons, on the commercial basis - 2 persons

- 6B07208 Technology of Processing Industries (by industry)- 242 students, including 201 on the state educational grant - 223, on the commercial basis - 19, distance learning - 6 students

- 7M07208 Technology of Processing Industries (by industry)- 9 master students, including on the basis of state educational grant - 9 people.

*Employment of graduates of the last three years in the accredited EP 1 of the cluster:*

- EP 6B07207 Technology of Food Products - 2019 - 90%, 2020 - 80%, 2021- 40%;

- EP 7M07207 Technology of Food Products (by industry)- - 2019 - 100 %, 2020 - 100 %, 2021 - 100 %;

- EP 6B07208 Technology of Processing Industries (by industry)- 2019 - 90%, 2020 - 80%, 2021 - 40%;

- EP 7M07208 Technology of Processing Industries (by industry)- 2019 - 100 %, 2020 - 100 %, 2021 - 100 %.

Currently, training bachelors and masters and accredited courses are based on license number KZ89LAA00031870 from 05.08.2021, issued by the Committee on Quality Assurance in the field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan № 639 dated August 5, 2021.

*Main information about the teaching staff of the accredited EP of cluster 1:*

On EP 6B07207 Technology of Food Products, 7M07207 Technology of Food Products (by industry), 6B07208 Technology of Processing Industries (by industry), 7M07208 Technology of Processing Industries (by industry) work 47 teaching staff, including 43 full-time, 4 part-time; the percentage of tenure - 46.3%, including Doctor of Sciences - 5, Ph.

*Academic mobility on EP of cluster 1:*

In 2017-2018 academic year on EP 6B07207, 7M07207 - Technology of Food Products by external academic mobility studied 5 people, 2018-2019 academic year - 5 people, for the period 2020-2022 for all accredited EP there was no academic mobility.

For the period 2018-2022 on EP 6B07208, 7M07208 - Technology of Processing Industries (by industry) there is no academic mobility.

*Research, contractual projects in the context of EPs of cluster 1:*



- MES RK "Development of technology for production of extruded multigrain foodstuffs of high readiness with fruit and berry and meat and milk fillings". Supervisor - Doctor of Technical Sciences, Professor A.A. Ospanov. Financing volume - 4575000 tenge;
- MES RK "Development of heat-insulating materials on the basis of Kazakh diatomite for brickwork of high-temperature units of boiler units". Supervisor - candidate of chemical sciences, associate professor Dilmuhambetov E. E. Financing volume - 4117500 tenge;
- MES RK "Processes of self-propagating high-temperature synthesis with the participation of metal nanopowders activated by electron radiation. Supervisor - Candidate of Chemical Sciences, Associate Professor Dilmukhambetov E.E. Financing volume - 4116760 tenge;
- "Development of production technology of pasta products based on non-traditional polycereal raw materials". Supervisor - Doctor of Technical Sciences, Professor Ospanov A.A. Financing volume 14000000 tenge;
- World Bank project "Organization of lactoferrin production from dry powder of mare and camel milk on innovative technology". Supervisor - doctor of biological sciences, professor Serikbaeva A.D. Financing volume - 230000000 tenge;
- Project of "Science Fund" JSC "Introduction of resource-saving technologies of camel meat processing for production of meat and meat and vegetative canned food". Supervisor - candidate of technical science, assistant professor Suleimenova J.M. Financing volume 150000000 tenge;
- MES RK "Development of technology of fat products with balanced fatty-acid composition". Supervisor -- PhD Mukhametov A.E. Financing volume 23 000 000 tenge;
- Project of "Science Foundation" JSC, "Introduction of resource-saving technologies of camel meat processing for production of meat and meat and vegetative canned food". Supervisor -- doctor of biological sciences professor Serikbayeva A.D. Financing volume 54000000 tenge.

#### (IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCESS

During the period from November 08 to 10, 2016 at the Kazakh National Agrarian University an external expert commission assessed the compliance of the educational program 6B07207- Technology of food products, 7M07207 - Technology of food products (by industry), 6B07208- Technology of Processing Industries (by industry), 7M07208 - Technology of Processing Industries (by industry) with the standards of specialized accreditation of the IAAR. On December 2, 2016 by the decision of the Accreditation Council the educational program was accredited for 5 years.

#### (V) DESCRIPTION OF THE EXTERNAL EXPERT COMMISSION VISIT

The visit of the External Expert Commission to the Kazakh National Agrarian Research University was organized in accordance with the program agreed in advance with the Chairman of the EEC and approved by the Rector of the University in the period from March 02 to March 4, 2022.

Meetings of the EEC with the target groups were held in accordance with the specified program of the visit, in compliance with the established time interval. On the part of the staff of Kazakh National Agrarian Research University, the presence of all persons specified in the program of the visit was ensured.

During visit, except work with target groups, conversations with pro-rectors of university on directions of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates and employers were held. In total 157 representatives participated in the meetings (Table 1).

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

<b>Category of participants</b>	<b>Number</b>
Chairman of the Board - Rector	1
Deputy Chairman of the Board - Provost	1



Deputy Chairman of the Board - Rector	1
Vice-rector	4
Head of structural divisions	33
Dean	2
Head of Department	7
Teachers	33
Students	40
Graduates	20
Employers and representatives from practice bases	15
TOTAL:	157

Visual inspection was conducted in order to get an overview of the organization of educational, scientific and methodological processes, material and technical base, to determine its compliance with standards, as well as to contact with students and staff at their workplaces. During the tour, members of EEC got acquainted with the state of the material and technical base of the Department of "Technology and Safety of Food", visited innovative centers: "Kazakhstan-Japanese", "Agrotechnological HUB", practice bases, as well as laboratories of the departments, implementing the educational program.

The meeting with T.I. Yespolov, Chairman of the Board-Rector, gave the opportunity to the teams of experts to know the strategy of the development of the university and the prospects of the educational programmes of the university.

During the accreditation period the classes were attended:

- March 3, 10<sup>20</sup>-11<sup>10</sup>, the discipline "Microbiology", practical training, Lecturer Altenov A..
- March 3, 08<sup>00</sup>-10<sup>00</sup>, discipline "Azyk-tulik onimderinin adulteration", practical training, doctoral student Myrzhykbaeva A.
- March 3, 08<sup>00</sup>-10<sup>00</sup>, discipline "Food microbiology", lecture, Professor Kuzembekova G.
- March 3, 08<sup>00</sup>-10<sup>00</sup>, discipline "Azyk-toolik onimderin sensorilyk taldauy", practical training, assistant Valieva G.
- March 3, 10<sup>20</sup>-11<sup>10</sup>, the discipline "Macaroni indirisynyn technology", p practical training, assistant Zhuman N.
- March 3, 10<sup>20</sup>-11<sup>10</sup>, the discipline "Microbiology", practical training, associate professor Erbulekova M.

## **(VI) COMPLIANCE WITH THE STANDARDS OF SPECIALIZED ACCREDITATION**

### **6.1. Standard "Management of Educational Program"**

The institution must have a published quality assurance policy.

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

The university must demonstrate the development of a culture of quality assurance, including in the context of EP.

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

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

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

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

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

The university must demonstrate a clear definition of those responsible for business processes within the EP, an

unambiguous distribution of staff duties, and delimitation of the functions of collegial bodies.

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

The management of the EP must demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making based on facts.

The management of the EP should carry out risk management.

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

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

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

The management of the EP must be trained in education management programs.

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

### ***The proving Part***

Management and development of the educational program 6B07207 Technology of Food Products, 7M07207 Technology of Food Products (by industry) and 6B07208 Technology of Processing Industries (by industry), 7M07208 Technology of Processing Industries (by industry), implemented by KazNARU, is conducted in accordance with the normative-legal documents of RK and MES and generally meets the criteria of standards of specialized accreditation of educational programs of higher education institutions "Independent Agency for Accreditation and Rating".

The Department has a plan for the development of educational programs 6B07207, 7M07207 Technology of Food Products and 6B07208, 7M07208 Technology of Processing Industries (by industry) in accordance with the development strategy of the University. For the implementation of the EP developed QED, which describes the disciplines of the component of choice with a summary of content, pre- and post-requisites.

The content of EP is regularly reviewed, updated in accordance with the requests of employers (LLP "Baiserke Agro", LLP "KazNII of processing and food industry" RGP SF "KazNII of standardization and certification", JSC "Kardanval", etc.) and modern scientific achievements. The management of EP ensures the transparency of the EP management system, communicates all information and management decisions to the faculty, students and other stakeholders. For this purpose, the management of EP uses all communication channels: adviser consultations, information boards, university website, educational portal of the university, as well as social networks.

### ***Analytical part***

As a result of analysis of the self-evaluation report, internal documents, conversations with target groups it was found that students, teachers and representatives of interns are aware of the existence of the University Development Strategy for 2020-2024, Quality Policy and objectives and other internal documents. The management of EP has demonstrated the efficiency of internal quality management system.

The Strategic Development Plan of KazNAEU for 2020-2024 is in accordance with the current legislation of the Republic of Kazakhstan in the field of education and science, strategic and program documents adopted at the national level. The experts note that the teachers, staff and students are aware of the content of the Strategic Development Plan of the University, are aware of their contribution to the implementation of the Strategy. Based on the interviews with the target groups, it can be concluded that the transparency of the development plan of the accredited EP is provided.

The experts were convinced of the consistency of the strategic objectives of the university, the adequacy of the mission, the vision of the strategy to the available resources: financial, information, personnel, material and technical base.

The analysis of department and HEI documentation, interviews with focus groups demonstrated:

- the educational process is organized by credit technology in accordance with the NAP;
- the material and technical base and information and library support are at a high enough level;
- Innovative educational technologies are implemented in the educational process;
- Educational and methodological materials, electronic courses of lectures and textbooks, test questions are presented in the library, and students have free access to them;
- the organization and management of the learning process is carried out with the help of an automated control system.

However, weaknesses are also noted:

- the study of the Report on self-assessment of educational programs revealed poor knowledge of foreign languages by the teaching staff, who are fluent in English;
- high competition in the educational environment on the EP.

The members of the EEC of the IAAR found that the university sufficiently ensures the awareness of stakeholders and transparency of the content of the main strategic documents, conducts public discussions with representatives of all stakeholders, discussions at collegial bodies.

The accredited EP is designed in accordance with the SES of the specialty, is consistent with the mission of the university and the relevant requests of employers. Planning of the educational process is represented by the structure of interconnected documents (model curricula, QED, basic working curricula, individual curricula of students, working curricula of specialties) and a set of different types of educational and methodological documentation. The catalog of elective disciplines, which describes the disciplines of the component of choice with a brief content, pre- and post requisites, is developed to implement the EP.

According to the results of interviews, familiarization with various documentation of the material and technical base and information and methodological resources of the university and departments, the survey of students and teaching staff, the EEC IAAR notes the following:

***Strengths/best practices***

- clear distribution of functions between university divisions for development, approval and management of EP;
- the organizational structure of the university ensures the transparency of the university management system, clear identification of those responsible for the business processes;
- Formation of EPs under accreditation is based on the analysis and study of the regional labor market diversity in the food and processing industry.

***Recommendations of the EEC***

no recommendation

***Conclusions of the EEC on the standard " Management Educational Programme " the accredited educational programmes have 3 strong, 14 satisfactory positions.***

## **6.2. Standard "Information Management and Reporting"**

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

The management of the EP must demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.

Within the framework of the EP, there should be a system of regular reporting that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research.

The university should establish the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management, and the implementation of scientific projects.

The university must demonstrate the determination of the procedure and ensuring the protection of information, including the identification of persons responsible for the reliability and timeliness of the analysis of information and the provision of data.

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

The management of the EP must demonstrate the existence of a mechanism for communication with students,

employees and other interested parties, including the existence of mechanisms for resolving conflicts.

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

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

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

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

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

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

### ***The proving Part***

The university uses modern information systems, information and communication technologies and software tools in order to adequately manage information. Based on the analysis of facts, EP management evaluates the effectiveness and efficiency of EP implementation, demonstrates informed decision-making and identifies opportunities to improve its quality.

Policy and quality assurance, posted in the open information field on the university website <http://www.kaznaru.edu.kz/>.

To ensure the successful functioning of the internal system of quality assurance of accredited educational programs is conducted through the collection of reports on the implementation of the operational plan of EP development, annual reports of the department, monitoring of the departments' readiness for the academic year, quality assessment of EP, teaching materials, textbooks, syllabuses. Monitoring of the state of the issues under consideration is carried out by the competent commissions, created by the order of the university, faculty. To ensure the quality of the program, internal monitoring is carried out in accordance with the QMS and mutual visits by teachers within the department, all this is reflected in the Journal of mutual visits.

To carry out the analysis of information quality engineering methods are used, which include methods of descriptive statistics: graphs, histograms, charts. As one of the methods of analysis in the university is used rating analysis, which aims to stimulate the growth of qualification, professionalism, productivity of pedagogical and scientific work, development of creative initiative of teachers. For example, the university annually conducts rating assessment of teaching staff, departments, faculties. Analysis of information is carried out by methods of comparison of indicators, the criteria for evaluation of which are set out in the provisions of internal and departmental regulatory documents. The results of the analysis are reflected in the certificates, reports of structural divisions of the university and are provided to responsible persons for making decisions to improve the process. To assess the effectiveness of the development of the university, EP, the mechanisms of QMS, internal and external audits are used, in which nonconformities are identified, corrective actions with deadlines and performers are developed to eliminate them.

Faculty, students, employers are involved in the process of collecting and analyzing information through questionnaires, interviews and decision-making based on them. The practice of personal meetings of the rector with the participants of the educational process: students, undergraduates, doctoral students, teaching staff is widely used.

The university uses modern information systems, information and communication technologies and software to adequately manage information. Based on the analysis of facts, the management of EP evaluates the effectiveness and efficiency of the implementation of EP, demonstrates informed decision-making and identifies opportunities to improve its quality.

### ***Analytical part***

In KazNARU system of collecting, analyzing and managing information is based on the use of information and communication tools. Questioning of employees is conducted annually and

includes a study of the level of satisfaction with working conditions, as well as the prospects for professional development and the work of the administrative management of the university. Members of the EEC note that the university has a system of information management and reporting. The process of involvement of students and teaching staff in the processes of collecting and analyzing information and decision-making on their basis is monitored.

To ensure the quality of EP the management uses a variety of methods for collecting and analyzing information: questionnaires, interviews, results of interim and final control of knowledge. The university demonstrated that both students and employees of the university are involved in the processes of collection and analysis of information.

During the study of the Report on self-assessment of EP by the members of VEC it was found that during the implementation of EP there is a risk of reducing the contingent of students. It is necessary to strengthen the career guidance work among school graduates, using the available resources in social networks and organizing trips to the regions to attract the contingent.

After conducting meetings, conversations and interviews with vice-rectors, deans, heads of departments, teaching staff, employers, graduates and students, as well as conducting a survey of students and teaching staff, carefully reviewing information and methodological resources and documentation, he notes the following:

***Strengths/best practices***

- availability of a communication mechanism with students, employees and other interested parties

***Recommendations of the EEC***

no recommendations

***Conclusions of the EEC on the standard "Information Management and Reporting", accredited educational programs have 1 strong, 16 satisfactory positions.***

### **6.3. Standard "Development and approval of the Educational Programme"**

The university must define and document the procedures for the development of EPs and their approval at the institutional level.

The management of the EP should ensure that the developed EP complies with the established goals, including the intended learning outcomes.

The management of the EP should ensure the availability of developed models of the EP graduate that describe the learning outcomes and personal qualities.

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

The qualification obtained upon completion of the EP must be clearly defined, explained and correspond to a certain level of NQF.

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

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

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

The labor intensity of the EP should be clearly defined in Kazakhstani credits and ECTS.

The management of the EP should ensure the content of academic disciplines and learning outcomes for the level of education (bachelor's, master's, doctoral studies).

The structure of the EP should provide for various types of activities corresponding to the learning outcomes.

An important factor is the presence of joint EPs with foreign educational organizations

***The proving Part***

"Kazakh National Agrarian Research University" carries out educational activities in accordance with the state license No. KZ89LAA00031870 dated August 05, 2021 and its appendices (order to AboutKSON of the Ministry of Education and Science of the Republic of Kazakhstan from No.639 from 05639 from 05.08.2021).

The University is the Republican Educational and Methodological Council of UME-SUE; Coordinator for the development of academic mobility (implemented through the Global Consortium, as well as projects and programs "Tempus", "Erasmus Mundus, Bolashak, DAAD, FET and others); A member of a Global consortium that unites more than 300 agricultural



universities in the world; A member of 8 international consortia.

Currently, the university provides training on 48 EP Bachelor's degree EP, 126 EP master's degree programs and 35 EP of the doctoral program (according to the information on the official website [www.kaznaru.edu.kz](http://www.kaznaru.edu.kz)).

Educational programs are updated by 30% annually, taking into account the interests of the labor market. The change in mandatory disciplines is due to the introduction of the State Educational Standard of the Republic of Kazakhstan, regulatory documents of the Ministry of Education and Science of the Republic of Kazakhstan, and informational letters. In order to study the interests of employers in the development of educational programs, meetings, round tables with employers, with the participation of interested parties and individuals are regularly held during the academic year.

To improve the educational program, the university has agreements on mutual cooperation with other Kazakh and foreign universities. Agreements on joint educational programs are concluded, which allows students to organize academic mobility.

The faculty of the department actively participates in the introduction of innovations, methods and methods of teaching, including in the course of scientific projects focused on the needs of employers and consumers, as well as conduct developments in the field of teaching methods of disciplines.

The following stakeholders and representatives of leading educational centers and institutes are involved in the formation of development plans for EP 6B07207 Technology of Food Products, 7M07207 Technology of Food Products (by industry) and 6B07208 Technology of Processing Industries (by industry), 7M07208 Technology of Processing Industries (by industry), Almaty Technological University, KazNII of Processing and Food Industry LLP, RSE Law Firm "KazNII of Standardization and Certification", as well as production companies, such as Baiserke Agro LLP, Cardanval JSC, etc.

The Department of Food Technology and Safety actively maintains international relations with foreign universities. Agreements and memoranda of international cooperation have been signed with the following universities of near and far abroad to harmonize the content of the EP:

University of Eastern Finland (Finland);

Warsaw University of Natural Sciences;

Kyrgyz State Technical University named after V. I. Abramovich. Razakova.

Kazan State Veterinary Academy named after N. E. Bauman;

Spanish University "Leida";

Ural State Agrarian University;

Moscow State University of Food Production and others.

#### ***Analytical part***

The university has defined and documented the procedure for assessing the quality of educational programs: the frequency, forms, methods of evaluating and monitoring the quality of educational programs have been established; documents that make up the structure of the educational program have been developed. The conditions for conducting external examinations of the EP and the conditions for organizing and conducting professional practice are demonstrated. However, the members of the commission did not find any evidence that representatives of state institutions in the field of agriculture were involved in reviewing the EP, although the work of a graduate in an accredited EP implies employment in this area as a civil service specialist in various state structures of the agro-industrial complex.

The main objectives of the EP and the goals of the Modular educational program are defined. The EP development plan is presented for the university as a whole. Graduate models based on accredited educational programs have been developed.

Taking into account modern professional requirements, the needs of the labor market and the proposals of employers, the content of the EP is systematically revised and improved. Employers are always involved in the development of the EP.

The EEC members came to the conclusion that the university defined and documented the

methodology for developing the EP, as well as the procedure for conducting all procedures for approving the EP, and developed the structure of the EP. The complexity of EP is defined in ECTS credits, which is reflected in all documents for the implementation of accredited educational programs.

***Strengths/best practices***

-there are no strengths identified in this standard.

***Recommendations of the EEC***

no recommendations

**Conclusions of the EEC on the standard "Development and approval of the educational programme " accredited educational programs have 12 satisfactory positions.**

**6.4. Standard "On-Goig Monitoring and Periodic Review of Educational Programme"**

The university should monitor and periodically evaluate the EP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the EP.

Monitoring and periodic evaluation of the EP should consider:

-The content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline 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;

-The educational environment and support services and their compliance with the objectives of the EP.

The university and the management of the EP must provide evidence of the participation of students, employers and other stakeholders in the revision of the EP.

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

The management of the EP should ensure the revision of the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society.

***The proving Part***

The Department systematically monitors the training of students in order to ensure the quality of education, within the framework of internal quality assurance. Monitoring includes tracking: students' attendance at classes; students' performance of tasks and independent work; students' delivery of tasks on current, milestone and final control; and students' implementation of the individual student plan.

The results of monitoring are reviewed at the meetings of the department, UMS and US of the faculty, and summarized for consideration at the US of the University. The University works in close cooperation with all interested parties: both employers and students are members of the US, UMS, and Faculty Councils. The task of the university is to obtain from each of them clearly formulated requirements for the education system, transforming them into specific goals and objectives of the university's educational activities.

In order to monitor and evaluate educational activities under the program, internal audits are conducted twice during the academic year, an analysis of the implementation of quality goals, an analysis of student performance, and an analysis of the implementation of the curriculum load by program teachers is carried out twice a year.

Educational programs are subject to a mandatory internal quality assessment and expertise procedure. The examination involves professors and associate professors in the relevant specialty or training with extensive experience in teaching, highly qualified methodologists, as well as practical teachers. The mechanism for conducting internal assessment and expertise includes the following stages: discussion of the EP at a meeting of the department, Faculty Council, consideration in the Department for Educational and Methodological Work, IPO, UMS, evaluation of programs on the US and approval.

If inconsistencies or comments are identified, the OPS are sent back to the instance for



correction or modification. Internal quality assessment mechanism About P is reflected in the regulations on the department, on the UMS and on the US.

Evaluation of the quality of the implementation of the EP is carried out through open classes and mutual visits to classes, analysis of control papers, exam tickets, test tasks, discussion of the topics of theses, master's and doctoral theses at meetings of the Faculty Council, the University Administration. Also, an expert commission consisting of experienced university teachers was created by order of the Rector of the University to assess the quality of classes. Experts attend teaching staff classes in accordance with the schedule of open classes. According to the procedure of PKazNAU OKPUZ-145 "Rules for assessing the quality of training sessions", the results of the assessment are recorded in the protocol, which is signed by the expert and provided to the teacher for review.

The university is home to UMO-GUP (RUMS), so the EP development plan is publicly discussed with representatives of all interested parties, based on the proposals and amendments of which the authorized collegial body of the university makes changes to the project. Based on the results of monitoring the satisfaction of students 'and employers' needs, changes in the EP aimed at improving the EP are taken into account. Monitoring of academic performance and academic achievements of students is carried out by means of an electronic journal (assessments on the boundary, final control, practices, research and development, state exams).

The University provides monitoring of teaching staff activities, systematic assessment of teachers 'competence, comprehensive assessment of the quality of teaching, including assessment of teachers 'and students' satisfaction. A satisfaction survey is systematically conducted. The questionnaire "Teacher's opinion" is available on the university's website <https://www.kaznaru.edu.kz> in the "Employees" section. The survey of teachers concerns the working conditions and organization of teachers and various aspects of teaching at the university.

At the end of the academic year, at a meeting of the department with the participation of all interested parties (teaching staff, employers), a self-assessment of the EP is conducted, taking into account the changes made, the results achieved, the effectiveness and effectiveness of the implementation of the EP are discussed. At the end of the academic year, the head of the department makes a report on the work of the department, which helps the management to track the implementation of the development plan of the EP. If the management discovers a discrepancy between the implemented EP and the implementation plan, the development plan is re-considered at a meeting of the department with the participation of all interested parties, and adjustments are made to it, corrective and preventive actions are developed.

Students can be informed through the Platonus system, where students can track the necessary changes.

### ***Analytical part***

Minutes of meetings of the department confirm the participation of students and employers in the development of the EP. Reviews from employers on the EP have been updated, but non-members of the EEC have not been able to find out how the selection and monitoring of the effectiveness of employers ' participation takes place. Students have information about the educational path they follow.

Students, employers, and teaching staff are informed about changes to the EP through the university's website and the Platonus. The material and technical resources used in education and science are sufficient and fully meet the requirements of the educational process within the framework of the EP. During the classes, modern multimedia means of information were demonstrated for the presentation of material, in order to form a highly professional specialist.

### ***Strengths/best practices***

-there are no strengths identified in this standard.

### ***Recommendations of the EEC***

Develop a documented procedure for selecting and monitoring the effectiveness of employers ' participation in development and monitoring by the end of 2022 EP with its subsequent implementation.

***Conclusions of the EEC on the standard " On-Goig Monitoring and Periodic Review of Educational Programme " accredited educational programs have 10 satisfactory positions.***

**6.5. Standard "Student-Centered Learning, Teaching and Performance Evaluation"**

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

The management of the EP should ensure the use of various forms and methods of teaching and learning.

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

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

The management of the EP must demonstrate support for the autonomy of learners, while being guided and assisted by the teacher.

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

The university must ensure the consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each EP, including appeal.

The university must ensure that the procedures for assessing the learning outcomes of students of the EP correspond to the planned learning outcomes and program goals. Criteria and evaluation methods within the EP should be published in advance.

The university should determine the mechanisms for ensuring the development of learning outcomes by each EP graduate and ensure the completeness of their formation.

Assessors should be proficient in modern methods of evaluating learning outcomes and regularly improve their skills in this area.

***The proving Part***

Student-oriented learning is a priority area of organizing the educational process at the university, where the kotopom teacher and students are active subjects of the educational process. It allows you to create unique conditions for each student that promote effective progress along the chosen educational path and self-realization of each student, as well as professional growth of the teacher. Student-centered learning is carried out using various active and innovative teaching methods and technologies that take into account the variety of forms of knowledge acquisition, which is reflected in the self-assessment report.

For the development and functioning of the individual care system at the university, a student-centered approach to learning is applied. Student counseling takes place at all stages of training. Established structural divisions that provide individual assistance and advice: ORDOS, deans ' offices, curators, and coworking centers. Under the guidance of a curator, the student uses QED to create their own IEP/IPRM, taking into account their abilities, growth prospects, production needs and society.

Students are provided with the following information materials:

- a reference guide.
- academic calendar for the academic year;
- individual curricula;
- catalogs of elective subjects;
- working curricula of disciplines (Syllabus) and other supporting documents.

Student self-government bodies are the Student Self-Government Council, public organizations, clubs, and the Student Trade Union Committee. The heads of the Student Self-Government Council's sectors, elected at the first meeting, oversee important areas of the Council's work. They work closely with the vice-rectors of the university, who are responsible for the relevant areas and heads of various departments, organize events and help solve students ' problems that arise in the educational process. Through these organizations, the opportunity for real communication of students for exchange and expression of opinions is realized. Information about the activities of these organizations and contact information are posted on the official website of the university in the "Student life" section, they have their own groups in social networks, which contributes to virtual communication of students. Students have the opportunity to actively

participate in the public life of the university through various student organizations and associations, such as the youth labor camp "Zharys EI", the debate club "Zhyaly Kazak", the club "Volunteers of KazNARU", the student squad of police assistants. The system of assessment of students' knowledge is established in accordance with the requirements for professional training and current curricula and programs, taking into account the nature of a particular discipline, as well as the future professional activity of the student.

To assess students' knowledge, a point-rating system is used, which consists of three types of control – current, milestone and final. Current control is carried out in the form of testing students' knowledge, skills and abilities using various forms of control: oral surveys, test papers, colloquiums, individual homework assignments, discussions, trainings, round tables, etc. admission of intermediate, current and final control of students' knowledge is carried out according to a schedule prepared in advance and brought to the attention of students and members of commissions.

The individual educational trajectory of students is reflected in modular EP and individual curricula, where along with general education, basic disciplines of the mandatory component, there are elective courses and practices that are aimed at ensuring professional competencies. Elective courses are selected by students themselves and recorded in the Platonus AIS.

The procedure and procedure for registration for academic subjects is organized by the ORDO with the methodological and advisory assistance of the curator and is regulated by the Academic Policy of KazNARU.

#### ***Analytical part***

The analysis of student-centered learning, teaching, and evaluation demonstrates the systematic work carried out by the EP management in the direction of changing the paradigm of education - moving away from the classical conservative system, where the teacher is in the center, to the open education system, where the student is in the center.

Interviewing stakeholders, visual inspection of classrooms based on the provided video materials and studying the cathedral documentation showed a sufficient level of material support for the department to provide teaching based on modern achievements of world science and practice in the field of training and performing scientific work at the required level.

#### ***Strengths/best practices***

-there are no strengths identified in this standard.

#### ***Recommendations of the EEC***

no recommendation

***Conclusions of the EEC on the standard " Student-Centered Learning, Teaching and Performance Evaluation " accredited educational programs have 9 satisfactory positions.***

### **6.6. Standard "Students"**

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

The management of the EP must demonstrate the conduct of special adaptation and support programs for newly enrolled and foreign students.

The university must demonstrate the compliance of its actions with the Lisbon Recognition Convention.

The university 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 management of the EP must demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.

The university should provide an opportunity for external and internal mobility of students of the EP, as well as assist them in obtaining external grants for training.

The management of the EP should make every effort to provide students with internship places, promote the employment of graduates, and maintain contact with them.

The university must provide EP graduates with documents confirming the qualifications received, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.

An important factor is the monitoring of employment and professional activities of EP graduates.

The management of the EP should actively encourage students to self-education and development outside the main program (extracurricular activities).

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

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

### ***The proving Part***

Ry management of the EP KazNARU demonstrates the policy of forming a contingent of EP students from admission to graduation and ensures transparency of its procedures. To form a contingent of students, the teaching staff of the department conducts career guidance work in secondary schools, in organizations of secondary special education Almaty region and other regions of Kazakhstan. Also, every year at the university, the faculty holds an "Open Day" for students of schools in the city and region, where reference literature, booklets about the university, faculty and EP are distributed.

The qualitative and quantitative composition of students is significantly influenced by the results of the Unified National and Comprehensive Testing. The recruitment of students is carried out by the center for the formation of a contingent of students in the following areas: organization and conduct of career guidance work in regional centers, districts, and city schools with students and college graduates during the academic year.

The admission Committee of the university carries out work on organizing and conducting admission in accordance with the NAP <https://www.kaznaru.edu.kz/page/talapker/?lang=ru>.

Admission to the EP is carried out by the admissions committee based on the results of selection tests (certificates of holders of educational grants, UNT, written exam, etc.) or through the e-government web portal [www.egov.kz](http://www.egov.kz) a package of documents provided for in paragraph 8 of the State Service Standard "Acceptance of documents and enrollment in higher educational institutions for training in higher education/ postgraduate education programs".

After submitting a full set of documents for applicants to the university, the admissions committee, by order of the rector, conducts the enrollment procedure from July 10 to August 25 of the calendar year, on a paid basis or an educational grant. Conditional enrollment on a paid basis is carried out by the admissions committee during the year based on the results of qualifying rounds in accordance with the requirements for the UNT/CT certificate.

The university provides applicants applying for a master's degree program with the following additional services: preparatory courses, trial tests, and English language testing.

The formation of the student body is carried out at the expense of state educational grants and through tuition fees at the expense of citizens' own funds and other sources.

The policy of forming a contingent of undergraduates is based on the general admission policy of the Republic of Kazakhstan, which consists in the need to score points on the results of exams in a foreign language and specialty. The admission procedure is based on the principles of openness and transparency.

Information stands and social networks are used to inform applicants. On the official Internet resource of the university <http://www.kaznaru.edu.kz> they can get acquainted with the conditions of further admission to the university, features of programs, and can also get information about the university's specialties.

The university uses a system that allows achieving the necessary level of training for students with insufficient knowledge during the course of study, including the following activities: systematic individual consultations of teachers; monitoring the performance of laboratory work, individual and homework assignments; ensuring free access (including distance learning) to textbooks and methodological developments in each discipline; organization of educational programs for students with insufficient knowledge. library services; availability of a number of courses and methodological materials posted on the websites of departments; conducting additional classes, consultations and practical work; availability of a system of corrective training.

The main professional skills of accredited educational institutions: the ability to solve problems of higher pedagogical education; manage multicultural teams, use scientific and methodological approaches in the development and improvement of food production technologies

using modern technologies, improve technological processes for the production of food products of plant and animal origin, recognize different types of falsification of food products; identify falsification of food products during commodity expertise or quality assessment.

Deployment of graduates of these educational programs in the food industry enterprises is an opportunity to apply these skills Republics Kazakhstan, in research institutes and educational institutions of Kazakhstan.

***Analytical part***

EEC members confirm that the policy of forming a contingent of students is transparent, and the procedures governing the life cycle of training are presented on the university's website.

Table 2 shows the total population for the last 5 years.

Table 2-Contingent of students of EP 6B07207, 7M07207 Technology of Food Products for 2016-2022

Indicators	2016-2017 academic year	2017-2018 academic year	2018-2019 academic year	2019-2020 academic year	2020-2021 academic year	2021-2022 academic year
Bachelor's degree	122	278	179	313	313	291
Master's degree program	-	-	33	33	8	4

Table 2-Contingent of students of EP 6B07208, 7M07208 Technology of Processing Industries (by industry)

Indicators	2016-2017 academic year	2017-2018 academic year	2018-2019 academic year	2019-2020 academic year	2020-2021 academic year	2021-2022 academic year
Bachelor's degree	74	133	96	204	239	242
Master's degree program	-	-	18	22	9	9

Experts also showed that the department provides students enrolled in the 1st year of bachelor's and master's degree programs with a reference guide, which reflects: internal regulations, working hours of all services, payment for tuition, criteria for evaluating learning outcomes, information about educational programs, telephone directory and other useful information for a first-year student. For this category of students, during the first month of study at the university, a number of measures are taken to adapt them. During this period, students get acquainted with the structure of the university, meet with the leadership of the faculty and special department, advisors. The adviser, who is appointed by the university order for the educational program, provides academic support to students during the entire period of study. Students, with the help of an adviser, form individual learning paths presented in an individual curriculum, on the basis of which a working curriculum is formed for each academic year.

The University cooperates with other educational organizations on academic mobility, provides students with internship places, and promotes employment of graduates. During the visit to the practice base, experts confirm that the production practice bases are organizations that correspond to the EP profile, with which the university enters into long-term contracts. Databases of practices accredited by the EP: Aksai nas JSC, RG Brands Kazakhstan LLP, Kazakh Research Institute of Processing Industry LLP, Baiserke-Agro LLP, Myasnoy Mir LLP, RZA JSC, Raimbek ZHARAT LLP, Raimbek Agro LLP, Aksai nas JSC, Aktau Agro LLP", "AsCo Plus" LLP, "RG Brands Kazakhstan" LLP.



The university has a successful «Alumni Association, which takes an active part in all areas of the university's activities. Graduates of the programs 6B07207, 7M07207 Technology of Food Products (by industry) and 6B07208, 7M07208 Technology of Processing Industries (by industry) have skills that are in demand in the labor market.

***Strengths/best practices***

- providing students with internship places, demonstrating the procedure for promoting employment of graduates, maintaining communication with them, and also observing that one of the indicators of success of the university is the success of its graduates/

***Recommendations of the EEC***

- by the beginning of the 2022-2023 academic year, develop an activity plan for external and internal mobility of students in the cluster's educational programs;

--to develop and support the activities of the University Alumni Association on an ongoing basis in the field of expanding the membership of its members and their involvement in the development and updating of educational programs, promoting employment of graduates and cooperation between the university and employers.

***Conclusions of the EEC on the standard "Students" accredited educational programs have 1 strong, 11 satisfactory positions.***

**6.7. Standard "Teaching Staff"**

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

The university must demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the university and the specifics of the EP.

The management of the EP must demonstrate awareness of responsibility for its employees and provide them with favorable working conditions.

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

The university must determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the university, and other strategic documents.

The university should provide opportunities for career growth and professional development of the teaching staff of the EP.

The management of the EP should involve practitioners from relevant industries in teaching.

The management of the EP should provide targeted actions for the development of young teachers.

The university must demonstrate the motivation for the professional and personal development of EP teachers, including the promotion of both the integration of scientific activity and education, and the use of innovative teaching methods.

An important factor is the active use of information and communication technologies by the teaching staff of the EP in the educational process (for example, on-line training, e-portfolio, MEP, etc.).

An important factor is the development of academic mobility within the EP, attracting the best foreign and domestic teachers.

An important factor is the involvement of the teaching staff of the EP in the life of society (the role of the teaching staff in the education system, in the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).

***The proving Part***

Implementation of educational programs 6B07207, 7M07207 Technology of Food Products, 6B07208, 7M07208 Technology of Processing Industries (by industry) is provided by the Department of "Technologies and Food Safety", Faculty of Technology and Bioresources.

The qualitative and quantitative composition of the department's teaching staff for accredited academic programs for the 2021-2022 academic year is shown in Table 3.

Table 3-Qualitative and quantitative composition of the department's teaching staff by accredited academic programs for the 2021-2022 academic year

<b>Indicator</b>	<b>2021/20/2022</b>
Full-time teaching staff, people, of which:	17

With the academic degree of Doctor of Science	2
With the academic degree of doctor PhD	1
Candidate of Science degree	7
With an academic master's degree	15
Post-graduation rate of PPP, %	46.3
Average age	45

Doctors and candidates of Sciences, specialists of relevant industries work as part-timers: Professor, Academician of the National Academy of Sciences of the Republic of Kazakhstan Iztaev A. I., Chomanov U. Ch., Professor, Academician of the National Academy of Sciences of the Republic of Kazakhstan Dzhankurazov B. O.

Indicators on the qualitative and quantitative composition of teaching staff confirm the availability of human resources necessary for the implementation of the full range of EP and corresponding to the qualification requirements for licensing educational activities. Staff selection is carried out on the basis of an analysis of the needs of the EP. The assessment of the competence of teaching staff to determine the position held is carried out by passing the competitive replacement of teaching staff positions by full – time employees and certification, according to the requirements of the competition commission developed by the University "Regulations on competitive replacement of teaching staff positions" and the Ministry of Education and Science of the Republic of Kazakhstan - "Regulations on the Certification of Teaching Staff", developed on the basis of the requirements of the normative legal Acts of the Ministry of Education and Science of the Republic of Kazakhstan.- legislative acts of the Republic of Kazakhstan. When applying for a job, priority is given to young PhD students who have been trained at leading national and international universities.

Implementation of accredited EP 6B07207, 7M07207 Technology of Food Products, 6B07208, 7M07208 Technology of Processing Industries (by industry) is provided to teaching staff who have a basic education corresponding to the profile of the discipline taught and are systematically engaged in scientific and methodological activities.

Information about teaching staff is provided in open access on the website [https://www.kaznaru.edu.kz/page/department/?name=tagam\\_onimderinin\\_tekhnologiiasy\\_zhane\\_kauipsizdigi&var=okytushyprofessorlar\\_kuramy\\_262&lang=ru](https://www.kaznaru.edu.kz/page/department/?name=tagam_onimderinin_tekhnologiiasy_zhane_kauipsizdigi&var=okytushyprofessorlar_kuramy_262&lang=ru). Detailed information about teaching staff is available on the University's website in the "Faculties" section: "Technology and Bioresources" - "Technology and Food Safety" - "Faculty".

Every year, the faculty of the department draws up an individual teacher's plan for the current academic year, which is the main document that determines the scope and types of work performed by the teacher and ensures the completeness and adequacy of individual planning of the work of the faculty, according to P KazNARU PUR-245 "Rules for planning academic work and teaching load of the faculty", where all types of activities are considered. ITWP is considered at a meeting of the department and approved by the dean of the faculty. If necessary, based on the decision of the department, changes can be made to the ITWP during the academic year. The actual implementation of the training load is noted in the ITWP.

Lectures are planned for professors, associate professors, and senior lecturers. A professor, as a rule, must give lectures in the amount of at least 30 hours, and researchers, honored sports figures or experienced specialists with at least 3 years of experience in the EP profile can also be involved. Seminars, practical and laboratory work can be conducted by teachers and assistants. Teachers who hold the positions of professor, associate professor (associate professor), senior lecturer are allowed to manage their diploma/master's works (projects). Based on the rating result, it is determined how long the employee's individual work planning plan is being implemented. Professional development of the University's teaching staff is coordinated by the IPC in accordance with the University Development Strategy 2020-2024 and is carried out throughout the entire working life of the teacher, i.e. a modern system of continuing education has been created. This is not only a professional development program, professional retraining, but also a lot of short-term courses



**Analytical part**

Faculty members of the department take an active part in the development of EP, the development of test tasks; conducting an external assessment of educational activities of universities; preparing expert opinions on the quality of dissertation research, textbooks, scientific monographs, organizing scientific conferences. Teaching staff participates in various professional societies:

members of the editorial board of specialized journals "Research, results", "Technologies of the food and processing industry of the agro-industrial complex – healthy food products";

members of the dissertation Councils for awarding the degree of Doctor of PhD are A.D. Sekrikbayeva, L. A. Mamaeva, A. A. Ospanov;

Ospanov A. A., Temurbekova A. K. are members of the Faculty's UMS and NMS of the University.

in the public life of the faculty: Zhalelov D. B., Sakieva Z. Zh., Kozhabergenov A. T.;

members of the UME-SUE for the group of EP "Food production" training areas "072-Manufacturing and processing industries" - Mamaeva L. A., Timurbekova A. K., Serikbayeva A.D.;

Expert of the IAAR, the National Center for State Scientific Expertise, as well as the Bologna Process A. K. Timurbekova.

The winners of the title "Best University teacher" and a state grant are 5 teachers of the department: Askarbekov E. B. (2015), Timurbekova A. K. (2016), Ospanov A. A., Serikbayeva A.D. (2017), Mamaeva L. A. (2018).

The individual teacher's work plan (ITWP) is drawn up on the basis of a single form developed by the UME. ITWP is drawn up for one academic year, reviewed and approved at the department meeting. ITWP contains the following sections: academic work (load distribution over semesters, reasons for underperformance or overperformance), educational and methodical work (preparation for classes, preparation of educational and methodical literature), work on the introduction of innovative technologies into the educational process, organizational and methodological work, scientific work, professional development and introduction into the educational process of their implementation. results, social activity, educational work, incentives and penalties, a comprehensive assessment of the teacher's professional activity and a conclusion on the teacher's implementation of ITWP. The head of the department supervises the implementation of ITWP in all sections.

Professors from leading foreign universities and research centers are invited to implement accredited research projects, along with the names of the modules they have read.

Table 4-List of EP modules taught by foreign professors

№	Full name of the professor	University, country	Name of the module / course	Session period
1	Rui Costa	Polytechnic Institute, Portugal	Commodity Science of Food products	February 11-23, 2019
			Safety of raw materials and products of processing plants	
2	Atte Vaughn	University of Eastern Finland, Finland	Microbiological risks in the food chain	February 11-23, 2019
			EU Feed Additive Safety Assessment	11-23 February 2019
3	Rosanna Avento	University of Eastern Finland (Finland)	Improving food and nutrition security	February 11-23, 2019
			Food quality management tasks	February 11-23, 2019
			February 11-23, 2019 Food and nutrition security tasks	February 11-23, 2019

In order to improve the quality of educational services provided, teachers who implement the EP improve their skills by taking advanced training courses, internships in the Republic of Kazakhstan and abroad, participating in international and national scientific, scientific-practical, scientific-methodological conferences and seminars.

Over the past five years, the department's teaching staff has undergone advanced training, which is confirmed by teachers' certificates of advanced training. In 2016, they received 12 certificates, in 2017 - 23, in 2018 – 32, in 2019 – 25, in 2020 – 31, in 2021 - 42 certificates, which shows the advanced training, professional and personal development of teaching staff of the Department "Technology and Food Safety".

For the implementation of scientific projects, the following persons are involved: Teaching staff and students of the department, which ensures continuity and education in the scientific spirit.

Table 5 - Research projects of teaching staff of the Department of Technology and Food Safety

Project topic	Year of implementation	Name and surname of the supervisor	Total amount of financing, thousand tenge
GF MES RK "Development of production technology of extruded polyslaked foods of high readiness with fruit and berry and meat and dairy filling".	2017	Ospanov A.A.	4575000
GF MES RK "Development of thermal insulation materials based on Kazakhstan diatomite for lining high-temperature units of boiler units".	2017	Dilmukhambetov E.E.	4117500
GF MES RK "Processes of self-propagating high-temperature synthesis involving electron-activated metal nanopowders"	2017	Dilmukhambetov E.E.	4116760 .
World Bank project, "Organization of lactoferrin production from dried mare and camel milk powder using innovative technology.	2017-2019	Serikbaeva A.D.	230000000
Project of JSC "Science Foundation", "Introduction of resource-saving technologies of camel meat processing for the production of canned meat and canned meat".	2017-2018	Suleimenova J.M.	150000000
"Development of pasta production technology on the basis of non-traditional polycereal raw materials".	2018	Ospanov A.A.	14000000
Development of technology for fat products with a balanced fatty acid composition (Committee of Science MES RK, contract for grant funding № 105 of May 27, 2020).	2020	Mukhametov A.E.	23000000
"Development of knowledge-intensive technologies for deep processing of agricultural raw materials in order to expand the range and output of finished products from a unit of raw materials, as well as to reduce the proportion of waste in the production of products".	2021-2023	Serikbayeva A.D.	54000000

The university actively practices a system of supervised visits to classes by representatives of the department. The main assessment criteria are knowledge of the subject, mastery of teaching methods and interactive teaching methods, the ability to structure the lesson and rationally use class

time. Assessment of internal experts is reflected in special journals of the department.

Table 6 - Monitoring of the use and development of innovative teaching technologies by the teaching staff

Indicators	Full name of Teacher	Discipline	Innovative method of teaching technology
2017-2018	Zhalelov D.B.	Rheology of food production	Exploratory method using the apparatus
	Nurdan D.	Characteristics of raw materials of bread, pasta and confectionery products	Research method
2018-2019	Mamaeva L.A.	The use of non-traditional raw materials in the production of bread, pasta and confectionery products	Research Method
	Dairasheva S.T.	Technology for Confectionery Production	Problem presentation method
2019-2020	Mamaeva L.A.	Modern food ingredients, specific applications	Research Method
	Erbulekova M.T.	Technology of processing industries	Problem presentation method
2020-2021	D.B. Zhalelov.	Processes and apparatus of food production	Use of virtual laboratory classes.
	Timurbekova A.K.	Methodology of scientific research in the technology of processing industries	Research method

During the interviewing of teaching staff it was found that the university provides opportunities for career growth and professional development of teaching staff.

Teachers involved in the implementation of the accredited EP, take an active part in various public, scientific-methodological and research, cultural and other events of the region and the country.

The analysis showed that the personnel policy ensures the staffing of the implemented educational programs with qualified specialists and its compliance with the strategy of the university and the specifics of EP; the university provided opportunities for career development and professional development of teaching staff; involvement of teaching staff in the social life of the region in accordance with their professional activities.

#### ***Strengths/best practices***

- Matching staff potential of the teaching staff to the development strategy of the university and the specificity of EP;

- Providing opportunities for career development and professional development of the teaching staff, including young teachers.

#### ***Recommendations of the EEC***

- The University administration and teaching staff should annually organize the internal and external academic mobility of the teaching staff within the accredited educational program

- To develop and approve the program for professional development and promotion of professional and personal growth of young faculty and teaching staff in 2022.

***Conclusions of the EEC on the standard "Teaching staff" accredited educational programs have 2 strong, 8 satisfactory position.***

### **6.8. Standard "Education Resources and Student Support Systems"**

The management of the EP must demonstrate the sufficiency of material and technical resources and infrastructure.

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

The management of the EP must demonstrate the compliance of information resources with the specifics of the EP, including compliance with:

- technological support for students and teaching staff in accordance with educational programs (for example, online learning, modeling, databases, data analysis programs);
- library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases;
- examination of the results of research, final works, dissertations for plagiarism;
- access to educational Internet resources;
- functioning of WI-FI on the territory of the educational organization.

The university should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the respective industries.

The university must ensure compliance with safety requirements in the learning process.

The university should strive to take into account the needs of various groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities).

#### ***The proving Part***

The department "Technology and safety of food products" constantly renews, improves and expands the material and technical base. Auditoriums, laboratories and their equipment are modern and adequate to the program objectives. The list of visual aids and technical training aids available on the program 6B07207, 7M07207 Technology of Food Products (by industry) meets the curricular objectives and programs, there is also a well-developed fleet of modern personal computers with Internet access, which are used for teaching and research work of teachers and students. In the educational process are used 2 teaching and 9 training, research laboratories, equipped with modern instruments, equipment and installations, appropriate for quality implementation of the educational program, acquired in 2014-2018.

The chair carries out the improvement of the teaching and laboratory base of the educational process with the equipping with modern equipment in the teaching and specialized laboratories for determining the quality and processing of milk and meat, as well as in the innovation center of the Agrotechnological Hub.

The chair is endowed with specialized laboratories, endowed with equipment and instruments, which permits the realization of the didactic and scientific laboratory-research works. 1. Laboratory "Quality and safety of food" (prof. Serikbaeva A.D.) and 2. Research Center "Technology of processing industries" (prof. Ospanova A.A.).

Classrooms for lectures, classrooms for practical and laboratory classes are equipped with specialized teaching furniture, multimedia and laboratory equipment, serving to present a variety of information to a large number of students.

There are 30 computers at the department, and also in the computer lab for students and undergraduates there are 20 computers with all the necessary software. Carried out maintenance at the expense of the university services and manufacturing companies. There is a training center equipped with 10 computers, 2 halls are equipped with an interactive whiteboard and video projectors. The total area of the premises together with the training ground is 1910 m<sup>2</sup>. The area of study rooms per student complies with the norms stipulated by State Standard RK ST RK 1158-2002 - "Higher Professional Education. Material and technical base of educational organizations".

Technical capabilities of computers, installed software, Internet access, multimedia equipment meet the objectives of the educational program and allow the quality of the educational process.

On the basis of the department "Quality and Safety of Foodstuffs" function the "International Research Center of Food and Processing Technology", which consists of three research

laboratories, equipped with modern equipment:

- The research laboratory of extrusion technology of food products, with a total area of 70 sq.2 (Building 10);
- The research laboratory of technology of baking bread and bakery products, with a total area of 45 square meters<sup>2</sup> (building 10);
- Scientific-research laboratory of technology and quality of grain and products of its processing, with a total area of 45 sq. m. (Building 10).

The material-technical supply of the educational process in general corresponds to the objectives and specificity of the EP, and contributes to all kinds of laboratory, practical classes, research work, stipulated by the working curriculum and corresponding to the current sanitary and fire safety norms and regulations.

Specialized classrooms of the department are equipped with devices, equipment and materials necessary for the educational process.

The Scientific Library of the University consists of 5 departments: readers' service, acquisition and organization of the literature catalogs and the information bank, methodical work, automation and scientific-bibliographic department and is equipped with telecommunications equipment, means of communication, electronic equipment, i.e. there are 66 monoblocks, 50 computers, two screens with a projector, has free access to the Internet, uses Wi-Fi technologies. For the students' independent work there are 12 reading rooms with 860 seats and two subscriptions, as well as specialized reading rooms: scientific reading room, reading room of periodicals, electronic reading room.

The fund of the scientific library consists of 5457 titles (227726 copies) of printed and electronic editions consisting of educational, methodical, scientific, reference literature and periodicals.

Information resources of the University are fully available to students. Access to the Scientific Library is available on weekdays from 9.00 to 18.00 <http://library.kaznaru.edu.kz/new/?lang=ru>.

Internet access to all is unlimited. There are no restrictions for the use of electronic libraries that allows students and teachers to fully prepare for the classes, expand their knowledge and broaden their scientific horizons. Information resources are also supported by the university library, through the electronic library has full access to advanced electronic libraries of the world, the electronic library of the university teaching staff, the Republican Interuniversity Electronic Library, the Russian Universal Electronic Library, the Kazakhstan National Electronic Library.

### ***Analytical part***

The university carries out an estimation of dynamics of development of material and technical resources and information provision, efficiency of use of results of estimation for correction in planning and budget distribution. Development of material and technical resources of the department is provided at the expense of the state budget, at the expense of scientific topics financed by PCF, grant and economic contractual topics.

Information resources are supported by the university library, through the electronic library has full access to advanced electronic libraries of the world, the electronic library of the university faculty, the Republican Interuniversity Electronic Library, the Russian Universal Electronic Library, the Kazakhstan National Electronic Library.

In order to provide quality educational services the university has a modern material and technical base and constantly improves it in accordance with the mission, strategy and goals. There is a positive dynamics of equipping the material and technical base, library and information resources. Further development of material and technical base of educational laboratories and expanding the use of information retrieval systems is carried out.

### ***Strengths/best practices***

- active position of the university in explaining the national programs for the development of the country and the system of higher and postgraduate education;
- presence of well-equipped material and technical base, information and library resources;
- Active advertising and image work in mass media;



- free access, increase the speed of Internet connection;

***Recommendations of the EEC***

no recommendations

***Conclusions of the EEC on the standard "Educational resources and student support systems" the accredited educational programs have 4 strong, 9 satisfactory positions.***

## **6.9. Standard " Public Information"**

The information published by the university within the framework of the EP must be accurate, objective, up-to-date and must include:

- programs being implemented, indicating the expected learning outcomes;
- information on the possibility of awarding qualifications at the end of the EP;
- information about teaching, learning, assessment procedures;
- information about passing scores and learning opportunities provided to students;
- information about employment opportunities for graduates.

The management of the EP should use a variety of ways to disseminate information, including the media, information networks to inform the general public and interested parties.

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

The university must publish audited financial statements on its own web resource, including in the context of the EP.

The university must demonstrate the reflection on the web resource of information characterizing the university as a whole and in the context of educational programs.

An important factor is the availability of adequate and objective information about the teaching staff of the EP, in the context of personalities.

An important factor is informing the public about cooperation and interaction with partners within the EP, including scientific / consulting organizations, business partners, social partners and educational organizations.

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

An important factor is the participation of the university and ongoing EPs in various external evaluation procedures.

### ***The proving Part***

All data are sent for wide discussion to all structural divisions of the university: faculties, departments, meetings of curators with students. Dissemination is carried out in the following ways:

- placement of information on information boards, the Internet portal;
- Explanation during the hiring of new employees, including teachers, at the meetings of the structural units (for the involvement and awareness of students);
- clarification at student meetings (for the involvement and awareness of the teaching staff).

Information reflecting the planning processes and the results of its effectiveness assessment for students, employees and the public is freely available on the university website <https://www.kaznaru.edu.kz/>

Procedures for quality assurance of education and continuous improvement processes are carried out on the basis of systematic quality control (internal audits) of educational and scientific advisory services, analysis of QMS functioning and interaction with consumers and other stakeholders. Conducting internal audits at planned intervals allows to obtain objective evidence that the QMS of KazNARU corresponds to the planned activities, is implemented effectively and maintained in working condition, and the PAs are regularly checked and are adequate and in demand.

To fulfill its public mission KazNARU, publicly, on the website, provides and regularly publishes up-to-date, unbiased and objective information (quantitative and qualitative) about the implemented in the university EPs, as well as the results of the university. Each learner has a password and login to enter the official website of the university, "Platonus" <https://es.kaznaru.edu.kz/>, where he/she can view all coursework, test questions, syllabus, etc.

In the exercise of its public role, the University is responsible for providing information about

the programs it implements, the expected outcomes of these programs, the qualifications it grants, the teaching and assessment procedures used, and the educational opportunities available to students.

Information about the teaching staff is posted on and available to the public [https://www.kaznaru.edu.kz/page/department/?name=mal\\_sharuashylygy\\_onimderin\\_ondiru\\_tekhnologii&var=okytushyprofessorlar\\_kuramy\\_239&lang=ru](https://www.kaznaru.edu.kz/page/department/?name=mal_sharuashylygy_onimderin_ondiru_tekhnologii&var=okytushyprofessorlar_kuramy_239&lang=ru)

The system of information and feedback to students, employees and stakeholders effectively operates through the official website, corporate e-mail of university staff, personal page of the rector of the university, there is a "Trust Box" in the dean's offices of each faculty.

KazNARU in social networks or informing the public is also carried out through social networks

<https://vk.com/kaznau1929>

<https://www.facebook.com/>

[https://www.instagram.com/kaznau\\_people/](https://www.instagram.com/kaznau_people/)

[https://twitter.com/kaznau\\_universi](https://twitter.com/kaznau_universi)

The analysis allows us to draw the following conclusions: the material and technical base meets the requirements of SOSE. The teaching space used in the process of training students, classrooms, laboratories, computer equipment and software, sanitary and fire safety standards, normative indicators. The university provides training and retraining of scientific and pedagogical staff to improve the level of computer literacy and effective use of information and communication technologies.

#### ***Analytical part***

In general, the analysis of the standard "Public Information" confirms the availability of information resources: website, social networks, where the university provides information about the services provided and areas of activity, including in the framework of accredited educational programs.

The experts note that the website of the university provides information on the rules of admission of applicants, educational programs, terms and forms of study, contact information, but not all the activities of the university are covered.

The Commission of the EEC of the IAAR found that the website of KazNARU lacks audited financial statements in the context of accredited courses.

#### ***Strengths/best practices***

Within the framework of this standard no strengths were identified.

#### ***Recommendations of the EEC***

- By the end of 2022 to work on actualization of information about EPs on the website of the University;

- By the beginning of 2022 - 2023 academic years to expand the personal information about the teaching staff on the website of the University.

- Until the end of 2022 goda necessary to publish on its own Web resource audited financial statements in the context of the EP.

***Conclusions of the EEC on the standard "Public Information" the accredited educational programs have 11 satisfactory positions and 1 position suggests improvement.***

### **(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES OF EACH STANDARD**

#### **Standard Management of Educational Program**

- clear distribution of functions between university divisions for development, approval and management of EP;

- the organizational structure of the university ensures the transparency of the university management system, clear identification of those responsible for the business processes;

- Formation of EPs under accreditation is based on the analysis and study of the regional labor market diversity in the food and processing industry.



**Standard Information Management and Reporting**

- availability of a communication mechanism with students, employees and other interested parties

**Standard Development and approval of the Educational Programme**

- there are no strengths identified in this standard.

**Standard On-Goig Monitoring and Periodic Review of Educational Programme**

- there are no strengths identified in this standard.

**Standard Student-Centered Learning, Teaching and Performance Evaluation**

- there are no strengths identified in this standard.

**Standard Students**

- providing students with internship places, demonstrating the procedure for promoting employment of graduates, maintaining communication with them, and also observing that one of the indicators of success of the university is the success of its graduates/

**Standard Teaching Staff**

- Matching staff potential of the teaching staff to the development strategy of the university and the specificity of EP;
- Providing opportunities for career development and professional development of the teaching staff, including young teachers.

**Standard Education Resources and Student Support Systems**

- active position of the university in explaining the national programs for the development of the country and the system of higher and postgraduate education;
- presence of well-equipped material and technical base, information and library resources;
- Active advertising and image work in mass media;
- free access, increase the speed of Internet connection;

**Standard Public Information**

- within the framework of this standard no strengths were identified.

**(VIII) OVERVIEW OF RECOMMENDATIONS ON QUALITY IMPROVEMENT**

**Standard Management of Educational Program**

no recommendation

**Standard Information Management and Reporting**

no recommendations

**Standard Development and approval of the Educational Programme**

no recommendations

**Standard On-Goig Monitoring and Periodic Review of Educational Programme**

Develop a documented procedure for selecting and monitoring the effectiveness of employers ' participation in development and monitoring by the end of 2022 EP with its subsequent implementation.

**Standard Student-Centered Learning, Teaching and Performance Evaluation**

no recommendations

**Standard Students**

- by the beginning of the 2022-2023 academic year, develop an activity plan for external and internal mobility of students in the cluster's educational programs;

--to develop and support the activities of the University Alumni Association on an ongoing basis in the field of expanding the membership of its members and their involvement in the development and updating of educational programs, promoting employment of graduates and cooperation between the university and employers.

**Standard Teaching Staff**

-The University administration and teaching staff should annually organize the internal and external academic mobility of the teaching staff within the accredited educational program

- To develop and approve the program for professional development and promotion of professional and personal growth of young faculty and teaching staff in 2022.

**Standard Education Resources and Student Support Systems**

no recommendations

**Standard Public Information**

- By the end of 2022 to work on actualization of information about EPs on the website of the University;

- By the beginning of 2022 - 2023 academic years to expand the personal information about the teaching staff on the website of the University.

- Until the end of 2022 goda necessary to publish on its own Web resource audited financial statements in the context of the EP.

**(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE EDUCATIONAL ORGANIZATION**

No

**(X) RECOMMENDATION TO THE ACCREDITATION BOARD**

The members of the EEC came to the unanimous opinion that EP 6B07207- Technology of food products, 7M07207 - Technology of food products (by industry), 6B07208- Technology of Processing Industries (by industry), 7M07208 - Technology of Processing Industries (by industry) recommends the as a loan for a period of 5 years

Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS"

№ п\п	№ п\п	Evaluation Criteria	The position of the educational organization			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard Management of Educational Program						
1	1	The university should demonstrate the development of the goal and strategy of EP development based on the analysis of external and internal factors with wide involvement of a variety of stakeholders		+		
2	2	The quality assurance policy should reflect the link between research, teaching and learning	+			
3	3	The university demonstrates the development of a quality assurance culture		+		
4	4	Commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility		+		
5	5	EP leadership ensures the transparency of the development plan of EP based on the analysis of its functioning, the real positioning of the university and the orientation of its activities to meet the needs of the state, employers, stakeholders and learners	+			
6	6	Management of EP demonstrates the functioning of mechanisms for formation and regular revision of EP development plan and monitoring of its implementation, assessment of EP goals achievement, compliance with the needs of students, employers and society, making decisions aimed at continuous EP improvement		+		
7	7	Management of EP must involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan		+		
8	8	Management of EP must demonstrate the individuality and uniqueness of the development plan of EP, its coordination with national development priorities and the development strategy of the educational organization		+		
9	9	The university must demonstrate a clear definition of those responsible for business processes within SP, distribution of staff duties, delineation of functions of collegial bodies		+		
10	10	The EP management ensures the coordination of activities of all persons involved in the development and		+		

		management of EP and its continuous implementation, as well as the involvement of all stakeholders in this process				
11	11	The management of the EP must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, making appropriate decisions		+		
12	12	The management of EP should carry out risk management		+		
13	13	EP management should ensure the participation of representatives of stakeholders (employers, teaching staff, students) in the collegial management bodies of the educational program, as well as their representativeness in decision-making on the management of the educational program		+		
14	14	The university must demonstrate innovation management within the EP, including analysis and implementation of innovative proposals	+			
15	15	Management of EP must demonstrate its openness and accessibility for students, teaching staff, employers and other stakeholders		+		
16	16	EP leaders must confirm the training in education management programs		+		
17	17	The EP leadership should strive to ensure that the progress achieved since the last external quality assurance procedure is taken into account in preparation for the next procedure		+		
Total by standard			<b>3</b>	<b>14</b>		
Standard Information Management and Reporting						
18	1	The university must ensure the functioning of the system of collection, analysis and management of information on the basis of modern information and communication technologies and software		+		
19	2	EP management demonstrates the systematic use of processed, adequate information to improve the internal system of quality assurance		+		
20	3	the EP management demonstrates the availability of the reporting system, reflecting the activities of all structural divisions and departments within the EP, including an assessment of their performance		+		
21	4	The university should determine the frequency, forms and methods of evaluation of management of EP, activities of collegial bodies and structural divisions, senior management		+		
22	5	The university should demonstrate a mechanism to ensure the protection of information, including the definition of responsible persons for the reliability and timeliness of the analysis of information and data provision		+		
23	6	The university should demonstrate the involvement of students, staff and faculty in the processes of collection and analysis of information, as well as decision-making on their basis		+		
24	7	EP management must demonstrate the availability of mechanisms of communication with students, employees		+		

		and other stakeholders, including conflict resolution				
25	8	The university should ensure the measurement of the degree of satisfaction of the needs of the faculty, staff and students within the EP and demonstrate evidence of the elimination of detected deficiencies		+		
26	9	The university must assess the effectiveness and efficiency of activities, including in the context of EP		+		
		The information collected and analyzed by the university in the framework of EP, must take into account:				
27	10	key performance indicators		+		
28	11	The dynamics of the contingent of students in the context of forms and types		+		
29	12	level of academic progress, student achievements and drop-out rates		+		
30	13	Student satisfaction with realization of EP and quality of education at HEI		+		
31	14	Availability of educational resources and support systems for students	+			
32	15	Employability and career growth of graduates		+		
33	16	Students, staff and faculty should provide documented consent for processing personal data		+		
34	17	Management of EP must contribute to the provision of all necessary information in relevant fields of science		+		
Total by standard			<b>1</b>	<b>16</b>		
Standard Development and approval of the Educational Programme						
35	1	The university must demonstrate the existence of a documented procedure for developing the EP and its approval at the institutional level		+		
36	2	The university must demonstrate compliance of the developed EP with the established objectives and planned learning outcomes		+		
37	3	The EP management must determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	4	The university should be able to demonstrate the availability of EP graduate model, describing learning outcomes and personal qualities		+		
39	5	The qualification awarded upon completion of the EP should be clearly defined, explained and correspond to the defined level of NSC, QF-EHEA		+		
40	6	Management of EP should demonstrate the modular structure of the program, based on the European Credit Transfer and Accumulation System (ECTS), ensure compliance of EP, its modules (in content and structure) with the goals set, focusing on the achievement of planned learning outcomes		+		
41	7	The management of the EP must ensure that the content of academic disciplines and learning outcomes are consistent with each other and with the level of study (bachelor, master, doctorate)		+		
42	8	The EP management must demonstrate the external expertise		+		

		of the EP				
43	9	the EP management must provide evidence of participation of students, teaching staff and other stakeholders in the development of EP, quality assurance		+		
44	10	to demonstrate the EP positioning at the educational market, (regional / national / international), its uniqueness		+		
45	11	an important factor is the possibility to prepare students for professional certification		+		
46	12	important factor is the presence of double-diploma EP and / or joint EP with foreign universities		+		
Total by standard				12		
Standard On-Goig Monitoring and Periodic Review of Educational Programme						
47	1	The university must ensure the revision of the content and structure of EP taking into account changes in the labor market, employers' requirements and social demands of society		+		
48	2	The University is obliged to demonstrate the availability of documented procedures for monitoring and periodic assessment of EP to achieve the purpose of EP. The results of these procedures are aimed at the constant improvement of EP		+		
		The monitoring and periodic evaluation of EP must consider		+		
49	3	program content in the context of recent advances in discipline-specific science and technology		+		
50	4	changes in the needs of society and professional environment		+		
51	5	the workload, performance and graduation rates of students				
52	6	Effectiveness of evaluation procedures for students		+		
53	7	The needs and satisfaction of students		+		
54	8	The relevance of the educational environment and support services to the objectives of the EP		+		
55	9	All stakeholders should be informed of any actions planned or taken with regard to the EP. All changes made to the EP must be published.		+		
56	10	Support services should identify the needs of different groups of students and the degree of their satisfaction with the organization of learning, teaching, assessment, mastering the EP in general		+		
Total by standard				10		
Standard Student-Centered Learning, Teaching and Performance Evaluation						
57	1	Management of EP must ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths	+			
58	2	EP governing body has to provide teaching based on modern achievements of world science and practice in the field of training, the use of various modern methods of teaching and learning outcomes assessment, ensuring the achievement of EP goals, including competencies, skills to perform scientific work at the required level		+		

59	3	the management of EP should determine the mechanisms for distribution of the academic load of students between theory and practice within EP, ensuring the mastering of the content and achievement of EP goals by each graduate		+		
60	4	the important factor is the availability of own research in the field of teaching methodology of EP disciplines		+		
61	5	The university must ensure that the procedures for assessing learning outcomes correspond to the planned results and objectives of EP		+		
62	6	The university should ensure consistency, transparency and objectivity of the mechanism of EP learning outcomes assessment. Criteria and methods of learning outcomes assessment should be published in advance		+		
63	7	Evaluators must know up-to-date methods of assessing learning outcomes and regularly improve their qualification in this field		+		
64	8	EP leaders must demonstrate the availability of a feedback system on the use of various techniques of teaching and assessment of learning outcomes		+		
65	9	EP supervisors must demonstrate support for learner autonomy while being guided and assisted by a faculty member		+		
66	10	EP supervisors must demonstrate that there is a process for responding to learner complaints		+		
Total by standard			1	9		
Standard Students						
67	1	The university must demonstrate a policy of formation of the contingent of students and ensure the transparency of its procedures. Procedures regulating the lifecycle of students (from admission to completion) should be defined, approved, published		+		
68	2	EP leaders must foresee special adaptation and support programs for newcomer and international students		+		
69	3	The university should demonstrate compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for the recognition of the results of academic mobility of students, as well as the results of additional, formal and informal learning		+		
70	4	The university should ensure the possibility of external and internal academic mobility of students, as well as to assist them in obtaining external grants for study		+		
71	5	The university should actively encourage students to self-education and development beyond the basic program (extracurricular activities)		+		
72	6	An important factor is the existence of a mechanism to support gifted students	+			
73	7	The university should demonstrate cooperation with other educational organizations and national centers of "European Network of National Academic Recognition and Mobility Information Centers/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure a		+		



		comparable recognition of qualifications				
74	8	The university is obliged to provide the students with internships, to demonstrate a procedure of facilitating the employment of graduates, to maintain a connection with them		+		
75	9	the university should demonstrate a procedure of issuing the graduates the documents confirming the obtained qualification, including the achieved results of education		+		
76	10	EP supervisors should demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are really in demand in the labor market		+		
77	11	EP supervisors should demonstrate that there is a mechanism to monitor the employment and professional activities of graduates		+		
78	12	An important factor is the existence of a functioning alumni association/association		+		
Total by standard			1	11		
Standard Teaching Staff						
79	1	The university should have an objective and transparent personnel policy in the context of EP, including recruitment (including guest faculty), professional growth and development of staff, ensuring the professional competence of all staff		+		
80	2	The university must demonstrate compliance of the qualitative composition of teaching staff with the established qualification requirements, the strategy of the university, and the goals of EP	+			
81	3	The EP management must demonstrate a change in the role of the faculty in connection with the transition to student-centered learning and teaching		+		
82	4	The university should offer opportunities for career growth and professional development of teaching staff, including young faculty		+		
83	5	The university should involve to the teaching specialists from relevant industries that have professional competencies that meet the requirements of the program		+		
84	6	The university should demonstrate a mechanism of motivation for professional and personal development of the teaching staff	+			
85	7	The university should demonstrate a wide use of information and communication technologies and software in the educational process (for example, on-line learning, e-portfolio, MOOCs, etc.)		+		
86	8	The university should demonstrate a focus on the development of academic mobility, attracting the best foreign and domestic faculty		+		
87	9	The university should demonstrate the involvement of each faculty member in promoting a culture of quality and academic integrity in the university, to determine the contribution of the teaching staff, including invited ones, in achieving the goals of EP		+		

88	10	An important factor is the involvement of teaching staff in the development of economy, education, science and culture of the region and country		+		
Total by standard			2	8		
Standard Education Resources and Student Support Systems						
89	1	The university should guarantee the compliance of educational resources, including material and technical, and infrastructure to the objectives of the educational program	+			
90	2	Management of EP should demonstrate the availability of classrooms, laboratories and other facilities, equipped with modern equipment and ensuring the achievement of the goals of EP	+			
		The university must demonstrate compliance of information resources with the needs of the university and the implemented EP, including in the following areas:				
91	3	technological support for students and faculty in accordance with educational programs (e.g., online learning, modeling, databases, data analysis programs)		+		
92	4	library resources, including a fund of educational, methodical and scientific literature on general, basic and major disciplines in hard and soft copy, periodicals, access to scientific databases		+		
93	5	expertise of the results of research, graduate works, dissertations for plagiarism		+		
94	6	access to educational Internet resources		+		
95	7	functioning of WI-FI on its territory		+		
96	8	The university should demonstrate that it creates conditions for scientific research, integration of science and education, publication of the results of research work of the teaching staff, employees and students	+			
97	9	The university should strive to ensure that the educational equipment and software used to master educational programs were similar to those used in the relevant industries	+			
98	10	It is necessary to demonstrate the availability of procedures to support different groups of students, including information and consulting		+		
99	11	EP management must demonstrate the availability of conditions for advancement of the student on an individual educational trajectory		+		
100	12	The university must consider the needs of different groups of students (adults, working, foreign students, as well as students with special educational needs)		+		
101	13	The university must ensure compliance of the infrastructure with the safety requirements		+		
Total by standard			4	9		
Standard Public Information						
102	1	The information published by the university should be accurate, objective, relevant and reflect all activities of the university in the framework of the educational program		+		
103	2	Informing the public should support and explain the national		+		

		development programs of the country and the system of higher and postgraduate education				
104	3	The university management should use a variety of ways to distribute information (including the media, Web resources, information networks, etc.) to inform the general public and stakeholders		+		
		The information published by the university about the educational program should be objective and relevant and include:		+		
105	4	the purpose and planned results of the EP, the qualification to be awarded		+		
106	5	information and system of evaluation of academic achievements of students		+		
107	6	information on academic mobility programs and other forms of cooperation with partner universities, employers		+		
108	7	information on possibilities of development of personal and professional competences of students and employment		+		
109	8	data reflecting the positioning of EP in the market of educational services (at regional, national, international levels)		+		
110	9	an important factor is the publication of reliable information about teaching staff in open resources, in the context of personalities		+		
111	10	The higher education institution must publish an audited financial report on SP on its own web-resource			+	
112	11	The university should publish information and links to external resources on the results of external evaluation procedures		+		
113	12	An important factor is to place information on cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations		+		
Total by standard				11	1	
Total			10	102	1	

## Appendix 2. Program of the visit of the external expert commission

**PROGRAM  
VISIT OF THE EXTERNAL EXPERT COMMISSION  
INDEPENDENT ACCREDITATION AND RATING AGENCY (IAAR)  
TO KAZAKH NATIONAL AGRICULTURAL RESEARCH UNIVERSITY**

**Date of the visit: 02-04 MARCH 2022**

<b>Cluster 1</b>	6B07207-Technology of food products 7M07207-Technology of food products (by industry) 6B07208-Technology of processing industries (by industry) 7M07208-Technology of processing industries (by industry)	<b>Cluster 3</b>	6B08201-Technology for the production of livestock products 7M08201-Technology for the production of livestock products 8D08201-Technology for the production of livestock products
<b>Cluster 2</b>	6B07501-Standardization and certification (by industry) 7M07501-Standardization and certification (by industry) 8D07501-Standardization and certification (by industry)	<b>Cluster 4</b>	8D09101-Veterinary medicine 8D09102-Veterinary sanitation

Date and time	EEC work with target groups	Position, Surname, First Name, Patronymic target group members	Contact form
<b>February 28, 2022</b>			
<b>15.00-16.00</b> <i>According to the time of Nur-Sultan</i>	Preliminary meeting of the EEC	<i>External LAAR experts</i>	Join a Zoom meeting <a href="https://us02web.zoom.us/j/6813032588">https://us02web.zoom.us/j/6813032588</a> Conference ID: 681 303 2588
<b>On schedule during the day</b>	Arrival of members of the External Expert Commission		

**Day 1: March 2, 2022**

<b>08.30-09.00</b>	Transfer from the hotel to the University	<i>External experts LAAR, coordinator from the University</i>	Hotel-University
<b>10.00-10.15</b>	Distribution of responsibility of experts, solution of organizational issues	<i>External LAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
<b>10.15 –10.45</b>	Meeting with management	<i>Chairman of the Board - Rector <b>Espolov Tlektas Isabayevich</b></i> <i>Deputy Chairman of the Board - Provost <b>Tireuov Kanat Maratovich</b></i> <i>Deputy Chairman of the Board - Rector <b>Ibragimov Primkul Sholpankulovich</b></i> <i>Vice-Rector for Strategy, Infrastructure Development, Digitalization and Legal Affairs <b>Balieva Zagipa Yakhyanovna</b></i> <i>Chief of Staff <b>Sihimbaev Serik Dzholdasbekovich</b></i> <i>Vice-rector for academic and educational work <b>Kalykova Bakyt Baimuratkyzy</b></i> <i>Vice-Rector for Research and International Relations <b>Islamov Yesenbay Israilovich</b></i> <i>Vice-rector for educational and social work <b>Daurenbayeva Zhanara Abzhanovna</b></i> <i>Financial Director <b>Kaldybalina Gaukhar Mukhanovna</b></i> <i>Infrastructure Development Director <b>Kozhageldiev Bekbergen Tlepbergenovich</b></i> <i>Head of the transformation office <b>Alekseeva Marina Alexandrovna</b></i>	Situation room  Conference hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
<b>10.45-11.00</b>	Technical break		
<b>11.00-11.40</b>	Meeting with heads of structural divisions	<i>Compliance officer <b>Abdikeshov Marat Kalybaevich</b></i>	Situation room

		<p>Head of the Human Resources Development Department <b>Saudabayeva Daria Ermagambetovna</b></p> <p>Head of the Department of Strategic Development <b>Nuralieva Elmira Tastanovna</b></p> <p>Director of the Department for Academic Affairs <b>Satmurzaev Asan Adasbekovich</b></p> <p>Head of the Department for Educational and Methodological Work and the Quality of Educational Programs <b>Kusainova Zhanar Abikenovna</b></p> <p>Head of the Center for Monitoring the Quality of Education <b>Serikbaev Abdurkarim Userovich</b></p> <p>Head of the educational department <b>Koishibaev Azamat Mardenovich</b></p> <p>Head of the Department of Practice and Employment <b>Yesimova Bakhytgul Dauletbekovna</b></p> <p>Head of the department for the organization of academic studies <b>Saginbayeva Sveta Pernebaevna</b></p> <p>Head of Department, Registration and Documents Office</p> <p>students <b>Zhamekova Zhażira Zhetesovna</b></p> <p>Head of the department for managing applicants <b>Bekbayeva Dinara Nusipovna</b></p> <p>Head of the distance learning sector <b>Mahamedova Baglan Yakupbaevna</b></p> <p>Head of the Quality Management System Sector <b>Sarsekeeva Gulnar Zhatkambaevna</b></p> <p>Director of the Institute of Postgraduate Education <b>Aldiyarova Ainura Esirkepovna</b></p> <p>Head of PhD Sector <b>Suleymanova Gulnur Almasovna</b></p> <p>Head of the Center for Accreditation and Rating <b>Kaipbaev Erbolat Tolganbaevich</b></p>	<p>Conference hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
		<p>Director of the Institute for Advanced Studies <b>Shametov Nurtaza Rashevich</b></p> <p>Director of the Department of International Cooperation <b>Omirkhanov Yesbol Toktarbekovich</b></p> <p>Head of the International Rating Department <b>Abzal Askarbekovich Abdramanov</b></p> <p>Head of the Center for Academic Mobility and International Educational Programs <b>Manapova Azhar Shaganovna</b></p> <p>Director of the Department of Science <b>Baibolov Asan Erbolatovich</b></p> <p>Head of the Department for Planning and Coordination of Research and Development, Expertise of Projects <b>Akhmetkanova Gulnar Amankeldievna</b></p> <p>Head of the Department of NTI and attestation of scientific personnel <b>Serikov Maksat Serikuly</b></p> <p>Department for educational work <b>Aubakirov Nurymzhan Parzhanovich</b></p> <p>Deputy director of the Institute of social and humanitarian education and upbringing. <b>O.Suleimenova Eralieva Asima Shanbaevna</b></p> <p>Head of the Center for Youth Affairs <b>Smanov Ashirali</b></p> <p>Center for the formation of anti-corruption culture "Parasat" <b>Maulyaeva Sandugash Tanirbergenkyzy</b></p> <p>Director of the Institute of Information Technologies <b>Dospanbetova Aida Malikovna</b></p> <p>Director of the Scientific Library <b>Aytuarova Aziza Maldybaevna</b></p>	
11.40-11.50	Technical break		

11.50-12.30	Interviews with deans and department heads	<p>Dean of the Faculty "Technologies and bioresources" <b>Buralkhiev Batyrkhan Azimkhanovich</b></p> <p>Dean of the Faculty "Veterinary" <b>Dzhanabekova Gulmira Kumiskalieva</b></p> <p>Head department "Technology and food safety" <b>Mamaeva Laura Asilbekovna</b></p> <p>Head Department of "Technology of production of livestock products" <b>Islamov Yesenbay Israilovich</b></p> <p>Head Department "Obstetrics, surgery and biotechnology of animal reproduction" <b>Usenbekov Yesengali Serikovich</b></p> <p>Head Department "Clinical veterinary medicine" <b>Alikhanov Kuantar Daulenovich</b></p> <p>Head Department "Biological safety" <b>Sansyzbay Abylay Rysbayuly</b></p> <p>Head Department "Microbiology, Virology and Immunology" <b>Kirkimbaeva Zhumagul Styambekovna</b></p> <p>Head Department "Veterinary Sanitary Expertise and Hygiene" <b>Sarsembayeva Nurzhan Bilebaevna</b></p>	<p>Situation room</p> <p>Conference hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
12.30-12.45	Technical break		
12.45-13.00	EEC work	External IAAR experts	<p>Small Hall, Conference Hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
13.00-14.00	<b>Dinner</b>		
14.00-14.15	Technical break		
14.15-15.00	Interview with teaching staff	<b>Application No. 1</b>	<p>Situation room</p> <p>Conference hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p>
			Conference ID: 844 7892 6368
15.00-15.15	Technical break		
15.15-16.00	Questioning of teaching staff	<b>Application No. 2</b>	The link is sent to the e-mail of the teacher personally
15.15-16.00	Interviews with students	<b>Application No. 3</b>	<p>Small Hall, Conference Hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
16.00-16.15	Technical break		
16.15-17.00	Questionnaire of students	<b>Application No. 4</b>	The link is sent to the e-mail of the student personally
16.15-17.00	Visual inspection	<b>External IAAR experts</b>	Kazakh-Japanese Innovation Center, Agrotechnological HUB
17.00-18.00	Work of the EEC discussion of the results of the first day	External IAAR experts	<p>Small Hall, Conference Hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
18.00-19.00	Supper	External IAAR experts	Hotel
<b>Day 2: March 03, 2022</b>			
08.30-09.00	Transfer from the hotel to the University	External experts IAAR, coordinator from the University	Hotel-University
09.00-09.15	EEC work	External IAAR experts, deans, department heads	<p>Small Hall, Conference Hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
09.15-10.50	Scheduled class attendance	<b>Application No. 5</b>	Educational buildings No. 10 and No. 11
09.15-10.50	Working with department documents	Meeting with the heads of the department and teaching staff	
10.50-12.10	Technical break		



12.10-12.45	Interviews with representatives of practice bases and employers	<i>Application No. 6</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
12.45-12.55	Technical break		
13.00-14.00	<i>Dinner</i>		
14.00-14.15	Technical break		
14.15-14.55	Alumni Interviews	<i>Application No. 7</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
14.55-15.05	Technical break		
15.05-18.15	Visiting practice bases	<i>LAAR External Experts, Deans, Head of Practice and Employment Department, Heads of Department</i>	LLP "Bayserke - Agro", Kazakh Research Institute of Processing and Food Industry
18.15-18.30	EEC work, discussion of the results of the second day and profile parameters	<i>External LAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
18.30-19.30	Supper	<i>External LAAR experts</i>	Hotel
<b>Day 3: March 04, 2022</b>			
08.30-09.00	Transfer from the hotel to the University	<i>External experts LAAR, coordinator from the University</i>	Hotel-University
09.00-10.00	EEC work development and discussion of recommendations	<i>External LAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
10.00-10.20	Technical break		
10.20-12.30	EEC work discussion,	<i>External LAAR experts</i>	Small Hall, Conference Hall

	decision-making by voting		Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
12.30-13.00	Final meeting of the EEC with the leadership of the university	<i>Rector, vice-rectors, deans, heads of department</i>	Situation room Conference hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
13.00-14.00	<i>Dinner</i>		
14.00 15.00	Work of the EEC, Discussion of the results of the quality assessment	<i>External LAAR experts</i>	Small Hall, Conference II Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
15.00-15.15	Technical break		
15.15-18.00	Work of the EEC, Discussion of the results of the quality assessment	<i>External LAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368

## Appendix 3. Results of the survey of teaching staff

Total number of profiles: 44

**Technology of food products 13.6%**

**Technology of Processing Industries (by industry) 15.9**

Standardization and Certification (by industry) 18.2

Technology of Livestock Production 22.7

Veterinary Medicine 18.2

Veterinary Sanitation 11.4

## 2. Position

Professor	36.4
Associate Professor/Associate Professor	15.9
Senior Lecturer	18.2
Teacher	15.9
Head Chair	2.3
Other	11.4

## 3. Academic degree, academic title

Honored Worker	
Doctor of Sciences	18.2
candidate of science	47.7
Magister	25
PhD	6.8
Professor	2.3
Assistant professor/associate professor	11.4
Not	2.3
Other	

## 4. Work experience in this university

Less than 1 year	
1 year - 5 years	18.2
Over 5 years	81.8
Other	

**31. Why do you work in this university?**

patriotism

my specialty is here!!!

I chose it because of the university's educational program and all the conditions

Graduate of this university

compliance specialty

Stable high salary, the opportunity to participate in scientific projects (obtaining additional income), advanced training through grants

The university trained good specialists and trained competitive students

There is an opportunity to implement projects (educational, scientific, social)

I chose it because it is a highly competitive institution that trains good specialists

I am the son of a shepherd, I love my profession

I like this university

I chose KazNARU due to the educational process of teachers and the creation of all conditions for students while studying for a master's degree.

I like to work in this university great prospects

Conditions for effective work have been

My profession is a veterinarian, I pass on my experience and skills to students

Patriotism

Specialist. university

I graduated from this university and there was a desire to work in this

I'm used to working here, good atmosphere, good staff

like the profession

Good team, good pay and lots of opportunities Along with teaching, he has a great influence on science

Good preparation of students

I felt that I needed to spread my knowledge

It is a research university with a special status in the country, with all the conditions

I really love my profession because it is compassionate

Because I am sympathetic to my profession

Career growth

Much attention is paid to experience and professional development First of all, because it is a leading university among agricultural universities, it occupies a leading position, it is included in the world's reputable laboratories equipped with modern equipment

The university is competitive in the Republic of Kazakhstan. Corresponds to all categories

Good pay and career growth

I like the profession of a veterinarian, for nothing it says "Medicine treats a person-veterinary medicine humanity!"

I work at the Kazakh National Agrarian Research University, as the university management has created all the necessary conditions for the development of the teaching staff

Because I am a graduate of this university

I have chosen as a platform for the useful and effective implementation of my knowledge and academic degree

I had to choose this university in order to continue my career in veterinary medicine

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

very often	often	sometimes	rarely	never
43.2	50	2.3	4.5	

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

very often	often	sometimes	rarely	never
27.3	61.4	11.4		

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

Questions	Often	Sometimes	Never	Didn't answer
Lack of classrooms		68.2	31.8	
Unbalanced study load by semesters		18.2	81.8	
Unavailability of necessary literature in the library		18.2	81.8	
Overcrowding of study groups (too many students in the group)		18.2	81.8	
Inconvenient schedule		15.9	84.1	
Inappropriate conditions for classes in		13.6	86.4	

classrooms				
No internet access/weak internet		31.8	68.2	
Students' lack of interest in learning		20.5	79.5	
Untimely receipt of information about events		9.1	90.9	
Lack of technical teaching aids in classrooms		25	75	-
Other problems	There are no problems no problem no There were no problems- There was no problem No problem No other problems either. Salary is not correct no problem no problem There were no other problems Requires computer upgrades There are no problems			

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

Questions	Completely satisfied (1)	Partially satisfied (2)	Not satisfied (3)	Difficult to answer(4)
The attitude of the university management towards you	81.8	13.6	4.5	
Relationships with direct management	81.8	13.6	4.5	
Relationships with colleagues in the department	97.7	2.3		
The degree of participation in managerial decision-making	84.1	13.6	2.3	
Relations with students	100			
Recognition of your successes and achievements by the administration	90.9	6.8	2.3	
Support for your suggestions and comments	81.8	13.6	2.3	2.3
University administration activities	79.5	13.6	4.5	2.3
Terms of pay	63.6	22.7	11.4	2.3
Working conditions, list and quality of services provided at the university	84.1	15.9		
Occupational health and safety	93.2	6.8		
Management of changes in the activities of the university	90.9	9.1		
Providing a social package: rest, sanatorium treatment, etc.	54.5	34.1	11.4	
Organization and quality of food at the university	72.7	18.2	6.8	2.3
Organization and quality of medical care	79.5	18.2	2.3	

	Questions	Very	Good	Relatively	Bad	Very	Didn't
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		good		bad		bad	answer
1	To what extent does the content of the educational program meet your scientific and professional interests and needs?	90.9	9.1				
2	How do you assess the opportunities provided by the university for the professional development of teaching staff	77.3	20.5				
3	How do you assess the opportunities provided by the university for the career growth of teaching staff	72.7	27.3				
4	How do you assess the degree of academic freedom of teaching staff	63.6	36.4				
	To what extent can teachers use their own						
5	• Learning strategies	72.7	27.3				
6	• Teaching methods	77.3	22.7				
7	• Educational innovations	68.2	31.8				
8	How do you evaluate the work on the organization of medical care and disease prevention at the university?	65.9	34.1				
9	What attention is paid by the management of the educational institution to the content of the educational program?	72.7	27.3				
10	How do you assess the sufficiency and availability of the necessary scientific and educational literature in the library?	68.2	31.8				
11	Assess the level of conditions created that take into account the needs of different groups of students?	61.4	38.6				
	Assess the openness and accessibility of leadership						
12	• Students	61.4	38.6				
13	• Teachers	54.5	43.2	2.3			
14	Assess the involvement of teaching staff in the process of making managerial and strategic decisions	59.1	38.6	2.3			
15	How is the innovation activity of teaching staff encouraged?	63.6	36.4				
16	Assess the level of feedback from teaching staff with management	61.4	38.6				

17	What is the level of stimulation and involvement of young professionals in the educational process?	68.2	29.5	2.3			
18	Evaluate the created opportunities for professional and personal growth for each teacher and employee	68.2	29.5	2.3			
19	Assess the adequacy of the university management's recognition of the potential and abilities of teachers	59.1	38.6	2.3			
	How the work is delivered						
20	• Academic mobility	61.4	36.4	2.3			
21	• On advanced training of teaching staff	56.8	34.1	9.1			
	Evaluate the support of the university and its management						
22	• Research initiatives of teaching staff	70.5	29.5				
23	• Development of new educational programs / academic disciplines / teaching methods	75	25				
	Assess the level of the teaching staff's ability to combine teaching						
24	• with scientific research	68.2	31.8				
25	• with practical activities	65.9	31.8	2.3			
26	Assess how the knowledge of students obtained at the university corresponds to the realities of the requirements of the modern labor market	68.2	29.5	2.3			
27	How does the leadership and administration of the university perceive criticism?	29.5	54.5	9.1	6.8		
28	How well does your workload meet your expectations and abilities?	65.9	29.5	4.5			
29	Assess the focus of educational programs / curricula on the formation of students' skills and abilities to analyze the situation and make forecasts?	77.3	20.5	2.3			
30	Assess how the educational program in terms of content and quality of implementation meets the expectations of the labor market and employers	63.6	31.8	4.5			



## Appendix 4. Results of the students' survey

**Questionnaire for students**

Total number of profiles: 67

Educational program (specialty):

Floor:

Male	11.9	
Female	88.1	

Rate how satisfied you are:

Questions	Completely satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	Difficult to answer
Relations with the dean's office (school, faculty, department)	80.6	16.4	1.5		1.5
The level of accessibility of the dean's office (school, faculty, department)	76.1	19.4	3		1.5
The level of accessibility and responsiveness of the leadership (university, school, faculty, department)	74.6	23.9	1.5		
Availability of academic counseling	82.1	17.9			
Support with educational materials in the learning process	88.1	11.9			
Availability of counseling on personal problems	76.1	20.9	1.5		1.5
Relationship between student and teacher	94	6			
The activities of the financial and administrative services of the educational institution	64.2	29.9	3	1.5	1.5
Accessibility of health services	77.6	22.4			
The quality of medical care at the university	74.6	23.9			1.5
Level of availability of library resources	82.1	17.9			
The quality of services provided in libraries and reading rooms	77.6	20.9			1.5
Existing educational resources of the university	74.6	23.9			1.5
Availability of computer classes	65.7	29.9	3		1.5
Availability and quality of Internet resources	67.2	31.3	1.5		
The content and information content of the website of educational organizations in general and faculties (schools) in particular	77.6	20.9			1.5
Study rooms, auditoriums for large groups	77.6	20.9			1.5
Lounges for students (if available)	50.7	31.3	9	1.5	7.5
Clarity of disciplinary procedures	82.1	14.9	1.5		1.5
The quality of the educational program as a whole	80.6	19.4			
The quality of study programs in the EP	88.1	10.4			1.5
Teaching methods in general	86.6	13.4			
Quick response to feedback from teachers on the educational process	86.6	11.9			1.5
The quality of teaching in general	82.1	16.4			1.5
Academic load / requirements for the student	70.1	29.9			
Requirements of the teaching staff for the student	86.6	13.4			
Information support and clarification before entering the university	85.1	13.4	1.5		

of the rules for admission and the strategy of the educational program (specialty)					
Informing the requirements in order to successfully complete this educational program (specialty)	88.1	11.9			
The quality of examination materials (tests and examination questions, etc.)	89.6	10.4			
Objectivity in assessing knowledge, skills and other educational achievements	83.6	16.4			
Available computer classes	73.1	25.4			1.5
Available scientific laboratories	71.6	25.4			3
Objectivity and fairness of teachers	83.6	13.4	3		
Informing students about courses, educational programs and the academic degree received	85.1	11.9	1.5		1.5
Providing students with a hostel	67.2	28.4		1.5	3

How much do you agree with:

Statement	Full consent	I agree	Partially agree	Disagree	Complete disagreement	Didn't answer
The course program was clearly presented	65.7	31.3	3			
Course content is well structured	68.7	29.9	1.5			
Key terms are well explained	74.6	23.9	1.5			
The material proposed by the teacher is relevant and reflects the latest achievements of science and practice.	71.6	26.9	1.5			
The teacher uses effective teaching methods	77.6	20.9	1.5			
The teacher owns the material being taught	79.1	19.4	1.5			
Teacher's presentation is clear	77.6	22.4				
The teacher presents the material in an interesting way	71.6	28.4				
Objectivity in assessing knowledge, skills and other educational achievements	74.6	25.4				
The timeliness of assessing the educational achievements of students	73.1	26.9				
The teacher satisfies your requirements and expectations for professional and personal development	73.1	25.4	1.5			
The teacher stimulates the activity of students	74.6	23.9	1.5			
The teacher stimulates the creative thinking of students	73.1	25.4	1.5			
The appearance and manners of the teacher are adequate	76.1	23.9				
The teacher shows a positive attitude towards students	74.6	25.4				
The system for assessing educational achievements (seminars, tests, questionnaires, etc.) reflects the content of the course	77.6	22.4				
The assessment criteria used by the teacher are clear and accessible	74.6	25.4				
The teacher objectively evaluates the achievements of students	76.1	23.9				
The teacher speaks a professional language	74.6	23.9	1.5			
The organization of education provides sufficient opportunities for sports and other leisure activities.	65.7	28.4	6			
Facilities and equipment for students are safe, comfortable and	70.1	25.4	4.5			

modern						
The library is well equipped and has a sufficient fund of scientific, educational and methodical literature	70.1	26.9	3			
Equal opportunities for mastering the EP and personal development are provided to all students	71.6	28.4				

**Other concerns regarding the quality of teaching:**

No problems

Everything is great

Not

No

Everything suits me! All at the highest level!

Everything great

No problem

The problem is

No problem

No problem.

No problem

No problems

Everyone likes it

I am satisfied with everything

I did not have any problems

I am satisfied with everything