



«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 evaluation committee
for compliance with the requirements of the standards of primary
specialized accreditation of the educational program
"7M05102 -Plant Biotechnology"
S. Seifullin Kazakh Agro Technical University
from "06" to "08" October, 2020

INDEPENDENT ACCREDITATION AND RATING AGENCY

External expert commission

*Addressed
to the Accreditation
of the IAAR Council*



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(I) LIST OF SYMBOLS AND ABBREVIATIONS

EP	- educational program
GED	- general education disciplines
RO	- registrar's office
TC	- typical curriculum
CSIT	- center of scientific and information technologies
RW	- research work
QMS	- Quality Management System
RSE	- Republican state enterprise
BEM	- on the basis of economic management
ATS	- academic teaching staff
EDMS	- electronic document management system
MM	- mass media
NAS RK	- National Academy of Sciences of the Republic of Kazakhstan
RSM	- registration of student movement
EMCD	- educational and methodological complex of the discipline
SSWT	- student's self-study with a teacher
UNT	- unified national testing
CT	- complex testing
LLP	- limited liability partnership
JSC	- joint-stock company
SME	- state municipal enterprise
HE	- higher education
WI	- working instructions
SRW	- student's research work
SSC	- student scientific circles
SAC	- State Attestation Commission
WC	- working curriculum
RL	- research laboratory
RI	- Research Institute
RC	- research Center
ES	- emergency situation
SCT	- student construction team
HL	- healthy lifestyle
EMCS	- educational and methodical complex of specialties
SMCU	- scientific and methodological council of the university
SMBF	- scientific and methodological bureau of faculties
IC	- individual curriculum
CED	- catalog of elective disciplines
SIC	- student's individual code

(II) INTRODUCTION

In accordance with order No. 71-20-OD of 07.09.2020 from October 06 to October 08, 2020, an external expert Commission assessed the compliance of “S. Seifullin KATU” JSC with the standards of primary specialized accreditation of the IAAR (dated February 24, 2017, No. 10-17-OD, fifth edition).

The report of the external expert Commission (EEC) contains an assessment of the compliance of the activities of “S. Seifullin KATU” JSC within the framework of primary specialized accreditation with the IAAR criteria, and recommendations of the EEC on further improvement of the parameters of specialized profile.

Composition of the EEC:

Chairman of the Commission - Andrey A. Bratsikhin, Doctor of Technical Sciences, Head of the Department "Food technologies and engineering" Of the Institute of living systems of the North Caucasus Federal University;

Foreign expert - Sergey Konstantinovich Filipov Dr. sc. ing., Professor, Abo Akademi University, Finland;

Foreign expert - Levykh Alyona Yurievna, Candidate of Biological Sciences, Associate Professor of the Ishim pedagogical Institute n.a. P. P. Yershov (branch) of the “Tyumen state University”;

National Expert - Rustem Tukenovich Omarov PhD, Head of the Department of Biology and biotechnology of L. N. Gumilyov Eurasian national University;

National Expert - Nurgazezova Alma Nurgazezovna, Candidate of Technical Sciences, Associate Professor of the Department of "Technology of food and processing industries" of Semipalatinsk state University n.a. Shakarim;

National Expert - Bakhytzhana Akhmetov, Doctor of Technical Sciences, Professor, Abay Kazakh national pedagogical University;

National Expert - Saule Sagnayeva, Candidate of Physical and Mathematical Sciences, Professor of the Department of Information systems of L. N. Gumilyov Eurasian National University;

National Expert - Mustafin Marat Askarovich, Doctor of Technical Sciences, Professor of Almaty University of energy and communications;

National Expert - Elibek Atrauovich Asangaliev, Candidate of Agricultural Sciences, Associate Professor of the Department "School of earth and environmental sciences" of the East Kazakhstan state technical University n.a. Serikbayev;

National Expert - Gabdulov Madi Assetovich, Candidate of Agricultural Sciences, Associate Professor of the Department of “Crop production and agriculture” of the West Kazakhstan agrarian and technical University n.a. Zhangir Khan;

Employer - Leyla Zhanaspayeva, Department of human capital development of the Chamber of entrepreneurs of Akmola region;

Employer - Zhantleuov Daniyar Amangeldinovich, Candidate of Agricultural Sciences, employee of the North Kazakhstan research Institute of animal husbandry and crop production;

Student - Mukash Nazgul, 2nd year master student of the specialty "MCM" of the Kazakh-British University;

Student - Aisulu Tolegenova, 4th year student of the specialty "Biology" of L. N. Gumilyov Eurasian national University;

Student - Tengebayev Askar, 1st year student of the L. N. Gumilyov Eurasian national University;

Observer from the Agency - Gulfiya Nazyrova, PhD in Economics, project Manager of the Agency.

(III) PRESENTATION OF THE ORGANIZATION OF EDUCATION

Non-profit joint-stock company "S.Seifullin Kazakh agrotechnical University" (hereinafter "University") is the subject of higher professional education of the Republic of Kazakhstan and acts on the basis of the Charter approved by the decision of the sole shareholder of the non-profit joint-stock company the National Agricultural Research and Education Center No. 2 dated 05.02.2018, certificate of state re-registration of the legal entity No. 27738-1901-AK dated 10.07.2007.

NAO "S.Seifullin Kazakh agrotechnical University" was founded in 1957, when Akmola agricultural Institute was organized in the center of the vast virgin region of Akmolinsk by the Resolution of the Council of Ministers of the USSR No. 1176 of 3.10.1957.

The Institute gradually expanded becoming a major center of higher agricultural education and science. Over the next 20 years, other faculties were organized and opened.

In may 2013, the President of the Republic of Kazakhstan speaking at a meeting of the Council of foreign investors proposed to organize a world-class research University in the field of agriculture on the basis of S. Seifullin KATU following the example of Nazarbayev University. The distinctive features of the new status will be the following moments

- 1) an autonomous management model following the example of the world's leading agricultural research universities combining scientific research, training process and implementation of scientific results in the real production and focused on integration into the world scientific and educational space;
- 2) own academic programs based on the adaptation of the best programs in the world, with a focus on the development of practical skills in the application of advanced achievements in the industry;
- 3) breakthrough scientific research that combines advanced achievements of fundamental and applied science, integrated into the educational process and based on partnership with the world technology leaders;
- 4) developed tools for the introduction of innovations, based on constant "feedback" with the subjects of the agro-industrial complex, including both mechanisms for the commercialization of technologies and the dissemination of knowledge.

In the process of attracting leading foreign professors and scientists, combining their knowledge with the experience of domestic specialists the necessary competencies will be developed in all key areas of the agro-industrial complex. As a result, upon completion of the transformation into a research agricultural University, S. Seifullin KATU will be positioned as (1) the main supplier of competitive innovations for the agro-industrial complex in Northern and Central Kazakhstan, (2) the most desirable place of work for teachers and the most desirable place of study for bachelors, master and doctoral students.

The main subjects of the University are the following:

- training of the personnel with higher and postgraduate professional education, advanced training and retraining of personnel in the field of agro-industrial complex and other sectors of the economy;
- carrying out the research and development work in the field of agro-industrial complex and other sectors of the economy;
- introduction of scientific and technical developments into production.

The main activities of the University are:

- 1) training in accordance with the state mandatory standard of education of qualified specialists for various sectors of the economy and social spheres;
- 2) training of scientific and pedagogical personnel in master's and doctoral programs;
- 3) organization and conduct of fundamental, applied scientific research and development work, as well as methodological research in all fields of science;
- 4) professional development and retraining of specialists in various fields;

5) cultural and educational activities, participation in the process of mutual enrichment of the cultures of the peoples of Kazakhstan, dissemination and promotion of scientific knowledge;

6) production and sale of printing products, educational and methodological manuals, new technologies and scientific developments;

7) organization and conduct of physical culture and health and sports events, creation of sports sections;

8) conclusion of direct contracts and contracts with foreign organizations in all areas of their main activities, creation of temporary teams of scientists and specialists, participation in the activities of international associations and organizations. In 2015 a new strategy for the development of KATU until 2025 "KATU – 2025" was developed and approved. KATU aims to become an international research University in the field of agro-industrial complex and related industries by means of implementation of its mission and strategy.

The strategy "KATU-2025" was approved at the meeting of the Academic Council on June 3, 2015, minutes No. 20 and approved by the Board of Directors of KATU on December 14, 2015.

The university provides training in 36 educational programs and specialties of bachelor's degree, 31 master's degree and 23 doctoral PhD degree.

The academic teaching staff of the university consists of 844 full-time teachers, including 83 doctors of sciences, 365 candidates of sciences Training of multilingual personnel in 8 bachelor's degree specialties is also being held.

The University structure includes 8 faculties, 42 departments including the military Department and 27 research institutes and centers. Currently, the University provides training in 36 bachelor's degree specialties, 31 master's degree specialties and 23 doctoral PhD specialties. Training of multilingual personnel in 8 bachelor's degree specialties, 31 master's degree specialties and 23 doctoral specialties will be introduced.

The University's classroom Fund consists of 310 classrooms equipped with modern equipment with a total area of 25,474. 76 square meters, including 103 specialized classrooms and 57 computer classes. Currently, the fleet of multimedia learning tools consists of more than three hundred units: multimedia projectors-237 units, interactive projectors-49, interactive whiteboards-34. the Speed of broadband Internet access in the 2015-2016 academic year has been increased to 525 Mbit / s. The library resources of the University are 1690349 copies.

The University operates on the basis of the following documents: - Charter of JSC "S.Seifullin Kazakh agrotechnical University", decision of the CNASE, Protocol No2 from February 5, 2018 (in the state and Russian languages);- Certificate of state registration of a legal entity registration No 27738-1901-JSC registered in the Department of Justice of the city of Astana On July 10, 2007, no BIN 070740004377; - Statistical card issued by the Agency of the Republic of Kazakhstan on statistics dated July 18, 2007, OKPO code 41122887; - State license series AB No. 0062189 and its annexes, on the right of conducting activities in the sphere of higher and postgraduate education without limitation of the validity term issued by the Committee for control in education and science of MES RK dated 02 July 2008.

In the ranking of universities of Eastern Europe and Central Asia QS University Rankings KATU entered the top +200; In the ranking of educational programs of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken" among agricultural universities S. Seifullin Kazakh Agro Technical University took the 1st place; The university took the first place in the Gold rating "Leader of the Year - 2018" among enterprises of the Republic of Kazakhstan in the indicator "Contribution to the state budget"; In January 2019, a memorandum of mutual understanding was signed with AgroParisTech and Agreenium.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

These educational programs are undergoing the accreditation procedure for the first time.

(V) DESCRIPTION OF THE EEC VISIT

The work of EEC was carried out on the basis of the Program of on-line visit of the expert commission on primary specialized accreditation of the S. Seifullin Kazakh agrotechnical university during the period from 06 to 08 October, 2020.

In order to coordinate the work of the EEC, on 05.10.2020, an introductory meeting was held, during which powers were allocated among the members of the commission, the schedule of the visit was clarified, and an agreement was reached on the choice of examination methods.

In accordance with the standards the Program of the visit included the meeting with the Chairman of the Board, the Vice Chairman of the Board, heads of structural subdivisions, deans, heads of departments of the University, teachers and students as well as staff of different departments, interviewing, and questionnaires for teachers and students. A total of 125 people took part in the meetings (Table 1).

Information about the employees and students who took part in the meetings with the EEC of the IAAR:

Participant category	Number
Chairman of the Board	1
Vice Chairmen of the Board	5
Heads of structural subdivisions,	15
Deans of faculties	5
Heads of departments	8
Teachers	53
Students, postgraduates, doctoral students	38
Total	125

During the excursion, the members of the EEC got acquainted with the state of the material and technical base of the department "Plant biotechnology".

In accordance with the accreditation procedure, a questionnaire survey of teachers and students was carried out.

In order to confirm the information presented in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. Along with this, the experts studied the Internet positioning of the university through the official website of the university <https://kazatu.kz/ru/>

All conditions were created for the work of the EEC, access to all necessary information resources was organized. The team of S. Seifullin KATU ensured the presence of all persons indicated in the program of the visit, observing the established time interval.

(VI) CONFORMITY TO SPECIALIZED ACCREDITATION STANDARDS

6.1. "Educational Program Management" standard

Proof part

EEC confirms that the management of EPs submitted for accreditation is ensured by an appropriate organizational structure and, in general, meets the criteria of the Standards for specialized accreditation of educational programs of higher educational institutions of NU "Independent Agency for Accreditation and Rating". The quality assurance policy reflects the link between research, teaching and learning (University website (<https://kazatu.kz>), section "Academic Policy").

The educational program is managed within the framework of an internal quality assurance

system which includes a quality assurance Policy and a description of processes in a series of internal documents of the University developed within the framework of a certified quality management system.

The EEC confirms that the management of educational programs is carried out in the context of the "development Program of the University for 2016-2020", which contains the mission, vision and strategic goals of the University (approved by the decision of the academic Council of KATU on 18.12.2015, Protocol No. 8) <http://kazatu.kz/assets/i/deps/Programma-razvitiya-KazATU-na-2016-2020-gg.pdf>).

With the aim of consistent transformation into a modern research agricultural University of the Western type the new strategy for the development of KATU until 2025 "KATU – 2025" was developed and approved (approved at the meeting of the Academic Council on June 3, 2015, Protocol No20, and approved by the Board of Directors of KATU on December 14, 2015). The main goal of this strategy is to become an international research University in the field of agro-industrial complex and related industries with an emphasis on the close connection between research, teaching and training.

The development Program indicates that the University's activities are aimed at achieving international recognition of the University in the field of providing educational services, its research reputation, improving the quality of training of competitive specialists and ensuring the economic sustainability of the University.

The mission of the University is to generate, implement, disseminate and apply advanced knowledge to improve the quality of life, increase labor productivity and competitiveness of the agro-industrial complex and other sectors of the economy of Kazakhstan.

To implement the development program the management has defined the main strategic goals up to 2025 including the employment in the specialty within three months after completion of training, confirmed by independent sources - at least 60% of graduates; the average citation index of one publication according to the Web of Science database-not less than 2; the share in the total part of incomes (1) from scientific activities – not less than 30%, (2) from the implementation of scientific results – not less than 12.5%; international accreditation - not less than 50% of educational training programs.

The University's mission, vision and strategy are aimed at meeting the needs of the state, society, science and economy, potential employers, students, and are coordinated with the national programs for the development of education and science of the Republic of Kazakhstan. When developing the mission, strategic goals and objectives, the real material and financial capabilities, human resources of the University are taken into account.

Experts confirm that the University's development Program, vision, mission, and strategy are published, available, and posted on the University's website <http://kazatu.kz/ru/ob-universitete/videnie-missiya-strategiya-ao-katu-im-s-seyfullina/>.

Internal documents of the University are issued within the framework of the quality management system developed on the basis of the requirements of the standard ISO9001: 2015 applicable to activities in the field of education. The effectiveness of the QMS is confirmed by independent audits of EUROASIA MS Ltd.

The quality assurance policy is reflected in the documents "Standards of the organization" "Documented procedure", " Methodological instructions aimed at developing a quality culture through the main quality assurance procedures. To support the main business processes at the University, a set of internal regulatory documentation has been developed, they regulate the implementation of educational programs (QMS 2.4.01-2015 "Planning and evaluation of University activities"

In connection with changes in regulatory legal acts in the Republic of Kazakhstan (2018), the University is working on the gradual introduction of new legislative norms in the educational activities of the University, it is planned to update a number of internal regulations.

The University has successfully re-issued licenses for areas of activity and is developing the EP for the new academic year in accordance with the new requirements. Currently, the list of

educational programs has been defined and the work on their inclusion in the national register through the ESUVO system has been almost completed.

For the management of EP in the context of further development of the culture of quality assurance, there are documents regulating the main processes: educational, scientific, educational (<http://kazatu.kz/assets/i/deps/klassifikator-2019.pdf>), ensuring the quality and high efficiency of the team's activities.

All priority areas of the development Program and development plans of the EP through key performance indicators and individual plans of the teaching staff of the EP, through personal indicators approved at the meetings of the departments. are reflected at all levels of EP management.

Paper and electronic versions of program, planning and internal regulatory documents are available at the departments, available to faculty, employees and students, as well as employers and other interested parties. Copies of documents are recorded in the registration log.

Issues of strategic planning, medium-and short-term goals and objectives of the University and structural units are reflected in the annual and monthly work plans of the University and structural units. Indicators and achievements of current activities are analyzed at meetings of the Department, the faculty Council, the Educational and methodological Council of the University, the rector's office, the Academic Council at least once a month. Students are active participants in the educational process, the University operates student self-government, according to the results of sociological surveys of students, corrective actions are taken to improve the quality of education.

The quality assurance system in force at the University regulates the way of development and implementation of the EP according to which the EP is developed annually for each set of students by academic committees for the development of the EP with the participation of teachers, employers and students. The analysis of the EP is carried out by the EP evaluation Committee, which includes the Vice-rector for academic Affairs, the Chairman of the educational and methodological Council of the University, employers and students. Employers are involved in the management of the EP through participation in the activities of Academic committees – a collegial body that determines the development of the EP.

The structure of the EP development plan contains: analysis of the current state (information about the contingent of students at the levels of training, analysis of personnel potential, material and technical base, the state of research work); main goals, objectives of the EP development, measures to reduce the impact of risks for the EP, planned indicators, the mechanism for implementing the EP development plan, the graduate model by training levels.

In accordance with the DP QMS03-2015 "Internal audit" and MI QMS 110.17-2016 "Procedure for conducting a comprehensive audit" the University conducts measures to control the implementation of work plans of structural divisions, control the quality of students' knowledge (current and mid-term control, intermediate and final certification).

At meetings with students, employees, and employers, the members of the EEC were convinced of the openness and accessibility of the EP management in solving various issues related to the development and implementation of optimized solutions.

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

The analytical part

The analysis of the fundamental documents showed that S. Seifullin KATU demonstrates the management of educational programs in accordance with the current legislation of the Republic of Kazakhstan in the field of education and science, the focus of the mission, strategy and vision - to meet the needs of the state, society, real economy sectors, potential stakeholders.

The EC notes that interested parties (students, teachers and employers) are aware of the existence of the University's development Program, quality Policy and goals, and internal

regulatory documents. The management of the EP demonstrated the efficiency of the internal quality management system. Transparency of the processes of forming the development plan of the EP is confirmed by the participation of interested parties in it. This is evidenced by the activities of the Academic Council, the rector's office, the educational and methodological Council, and academic committees that manage the main EP. Plans for the development of accredited educational institutions are coordinated with the University's development Program.

The EEC confirms that the University has a published quality assurance policy that reflects the relationship between research, teaching and learning.

During the visual inspection and analysis of documents, EEC made sure that the responsible lecturers for business processes within the framework of implementation of the EP were appointed, the job responsibilities of the staff were distributed, and the functions of collegial bodies were differentiated. The University demonstrates the development of a culture of quality assurance in the context of EP. The quality of the educational process includes not only the quality of educational programs and technologies, the quality of human resources involved in the educational process, the quality of the material and technical base, etc., but also the quality of the scientific potential of the University, the quality of new knowledge transmitted by teachers.

Reports on the implementation of the development plans of EP included in the annual reports of departments are considered at Department meetings and at meetings of the Academic Council of the University. The results of evaluating the effectiveness of the implementation of the stages of the development of the EP are used to adjust and further develop the EP data on the basis of internal documents (DP QMS 06-2015 "Corrective actions" and DP QMS 07-2015 "Preventive actions"). The University has an approved procedure for managing the development plan of the OP-PPRPROPMR QMS 11010.73-2013 Regulation on the procedure for developing the development plan of the educational program and monitoring its implementation. Monitoring of the development plan of the EP in order to ensure continuous and continuous improvement is carried out by the head of the Department with the involvement of teaching staff.

The management of the EP ensures the participation of representatives of employers in the processes of managing the educational program and its development, which was revealed as a result of interviews with teachers and employers. The presence of student self-government implies an increase in the activity of students in the framework of their participation in the collegial management bodies of the EP.

The EC notes the need to analyze the functions of University employees involved in the management of educational programs, in order to clarify their responsibilities in connection with changes made to regulatory legal acts in the field of education and new approaches to determining the qualification characteristics of teaching staff positions

EEC notes the presence of a document-PPOUR QMS 11010.146-2016 - "Regulations on the procedure for determining and managing risks in JSC "S.Seifullin Kazakh agrotechnical University". The analysis of documents (minutes of faculty meetings, academic Council, reports, plans, etc.) confirm the planned work on risk management. However, the EC emphasizes the need to update risks due to changes in legislation and the ongoing reengineering of business processes.

The Department systematically collects, accumulates and analyzes information on the implementation of the EP and conducts self-assessment in all areas based on the development and implementation of measurement processes. An annual review of available resources is conducted. Based on the results of the analysis, a plan for purchasing the necessary resources for the new calendar year is drawn up. According to the conducted analyses, the readiness and sufficiency of classrooms and laboratories is assessed. The material and technical, library and information resources used to organize the learning process are sufficient and meet the requirements of each implemented educational program. If it is necessary, corrective actions are developed to eliminate shortcomings and omissions in the work.

The management of the EP in the formation of the development plan of the EP systematically identifies the risks. Risk management involves the use of logical and systematic

methods to classify risks, to determine the probability of their occurrence, to establish a context for determining, analyzing, evaluating, and considering the risk associated with any action and process, to develop a risk map, to monitor and review risks, to compile a report. Next, risk identification is carried out - the process of detecting, recognizing and registering risks. The risk identification process involves identifying the causes and source of the risk. Risk assessment is a structural process that determines the impact of goals, and analyzes risk through sequences and their probabilities before determining future considerations. The basic principles of risk management provide policies, procedures, and organizational arrangements that will implement a risk management system across the organization at all levels. Assessment of the degree of risks in the educational program is carried out at least once a school year.

According to the results of analyses and reports, the management of the EP identified risks to reduce the number of students in the master's program. The reason for this risk is the allocation of an insufficient number of state educational orders for the preparation of specialists in this industry and masters. To eliminate this risk, employees of the Department of hunting and fisheries conduct career guidance to attract applicants for doctoral studies in accordance with the requirements of the Ministry of education and science of the Republic of Kazakhstan.

In order to fulfill one of the directions of development of the University in the long term is the development of multilingualism in the implementation of the EP. In this regard, one of the items of funding is the training and internship of teaching staff in the study of the English language. According to the results of analyses and reports, the management of the EP identified risks to reduce the number of students in the master's program. The reason for this risk is the allocation of an insufficient number of state educational orders for the preparation of specialists in this industry and masters. To eliminate this risk, employees of the Department of hunting and fisheries conduct career guidance to attract applicants for doctoral studies in accordance with the requirements of the Ministry of education and science of the Republic of Kazakhstan.

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Strengths/best practices

- Availability of a published quality assurance policy;
- The University is searching for innovative mechanisms to support the quality of teaching that meet the goals of the University's development strategy and the collective responsibility of all participants in the educational process;
- The management of the EP ensures the transparency in the development of the EP development plan with the participation of employers, students, teaching staff and its focus on meeting the needs of all participants in the educational process;
- Established those responsible for business processes within the framework of the EP with the distribution of job responsibilities of personnel and the differentiation of functions of collegial bodies;
- The internal quality assurance system of the EP is functioning.
- The existence of a mechanism for studying external and internal risks, using strategic planning methods, and managing them by developing preventive measures;
- Participation of teaching staff, students, employers in the composition of the collective management bodies of the EP;
- Openness of the EP management to students, teaching staff, employers and other interested persons.

The recommendations of the EC

- Develop activities that provide training for the management of the EP in educational management programs.
- Develop a joint educational program with foreign universities.

Conclusions of the EC according to the criteria: strong-4; satisfactory –.9, improvements are suggested -2.

6.2. Standard " information Management and reporting»

The evidence part

The main processes at S. Seifullin KATU are managed on the basis of decisions of the Academic Council of the University, the rector's office, orders of the rector and orders of the Vice-rectors. The system of collection, analysis and management of information at the University is used to ensure the quality of the implementation of the EP and is confirmed in internal regulatory documents. This system includes information flows using modern computer technologies and software.

The University introduced the information management processes with the use of an educational portal (<http://portal.kazatu.kz/>) AIS "business Trips", AIS "electronic journal of the curator", AIS "Personnel", AIS "Timesheet", AIS "Risk Management", systems "PLATONUS". The educational portal provides free access to the documents of S. Seifullin KATU and provides personalized access to information on the management, planning and implementation of the EP (curricula, teaching materials, class schedules, results of student knowledge assessment, etc.). Operational management of information exchange between departments is carried out through the electronic document management system.

The information technology support of the EP (including the functioning of the information collection, analysis and management system based on the use of modern information and communication technologies and software) is carried out by the Informatization Council. The Council for Informatization of katu is a permanent coordinating and Advisory and scientific Advisory body of the Academic Council of the University in the field of solving problems on the use and development of information technologies.

Instagram Facebook page contains information about the main activities of the University- management of educational, scientific and educational processes, information about structural divisions, the rector's blog, there is a representation of the University in social networks (Facebook, Instagram, in contact, My world, Odnoklassniki). The University's website is available in three languages.

We are constantly working on the information content of the KATU educational portal. To ensure high-quality content, information content and timely updating of all sections of the portal, information for the portal is accepted in a documented form.

The University provides information protection in accordance with the regulation of the PPIB SMK 11010.128-205 "on the information security policy at S. Seifullin KATU", which defines the procedure for ensuring information protection and responsible persons for the reliability and timeliness of information analysis and data provision, as well as the methodological instructions of MI QMS 110.27-2016 "on password protection", MI QMS 110.28-2016 "on backup of information of JSC "S. Seifullin KATU"", MI SMK 110.29-2016 "on the organization of anti-virus protection JSC "katu named after S. Seifullin"".

Information security of the university includes any activity aimed at protecting information and/or supporting infrastructure. The information security policy covers all automated and telecommunication systems owned and operated by KATU. An integral part of the organization of information protection is continuous monitoring of the effectiveness of the measures taken, determining the list of unacceptable actions, possible consequences and responsibilities for KATU employees.

All the IS developed at the University by DIT employees are the property of the University. Copying and sharing with third parties is strictly prohibited. The source code and Database structure must be stored on the server for backup. The head of the software development and maintenance Department (hereinafter referred to as DIT) is responsible for the safety and relevance of the source codes and the Database. DIT monitors and analyzes the network

infrastructure of KATU, identifies violations of the rules for using network equipment and the local network. The Department of information technologies monitors the created automated information systems (hereinafter - AIS) and issues data for authorization. Blocks users of automated information systems AIS when a violation of the password policy points is detected and when a service note is received to block the account. If a violation of the rules for using the local computer network is detected and if the AIS is used for non-production purposes, the DIT initiates the application of a disciplinary penalty to the v

The processes of information management and regulation and control over the implementation are carried out by the rector's office, departments, departments, heads of departments. Recording of incoming and outgoing information is carried out in logs. Responsible for their implementation and reliability are the heads of departments responsible for the Department in the areas of activity-educational and methodological work, research work, employment, educational work, career guidance work, as well as advisors, curators, leading teachers.

The degree of satisfaction with the needs of teaching staff, staff and students in the framework of the EP is carried out through surveys, questionnaires. In particular, students participate in the survey "Teacher - through the eyes of students", at the end of the academic year – "quality of knowledge", students evaluate the teaching staff on a 5-point scale. A summary table of the results of the survey, for analysis and decision-making, is sent to the management of the EP on the ARTA electronic document management system (MI QMS 110.25-

Teachers use their personal account to fill out journals of students' academic achievements, form case studies in disciplines designed for remote learning technologies, and check written works. The mechanism of communication with students, teaching staff, staff and employers is carried out through the educational process, Advisory and curatorial hours, information stands, the "PLATONUS" system, the University website, the educational portal of the University, the social network "Facebook", the media, the newspaper "My University" and graduate vacancies, etc.

The University ensures that information is available to all interested parties.

In accordance with the provisions of the Labor code in RK and Code of academic integrity of participants in the educational process (QMS CACHEOP 02.2059-2019) the University has a Commission for consideration of individual labour disputes and conflict resolution, in accordance with the regulation about the conciliation Commission of JSC "Kazakh agro technical University. S. Seifullin" (PSK SMK 11010.147-2016).

The library management information system provides access to the electronic catalog and virtual help Desk via the University's website page <https://library.kazatu.kz/jirbis2/index.php?lang=ru>.

Through the electronic library of the University, access to remote information resources, advanced electronic libraries of the world, such as Web of Science, Scopus, EBSCO, Cabi Abstract, AGRIS, is provided through the range of IP addresses of the University. On the Russian databases "LAN publishing House", EBS "University library online", "eLibrary.ru" etc.

SciVal's integrated modular platform provides quick and easy access to research and development. Access to the information and legal system of normative legal acts of the Republic of Kazakhstan is provided through the IPS "Adilet".

The electronic catalog reflects the entire collection of the library. The electronic catalog is available in all service points of the library and the catalog hall (<https://library.kazatu.kz/jirbis2/index.php?option=comirbis&view=irbis&Itemid=108&lang=ru>).

Analytical part

Analyzing compliance with the requirements of the "Information Management and Reporting" standard for the accredited EP, the commission notes that the university operates a multi-level information management and reporting system. Particular attention is paid to internal audit and systematic review of the decisions effectiveness, and monitoring of the activities of departments and programs at the meetings of the Academic Council. EEC notes that the internal

regulatory documentation developed at the university (organization standards, documented procedures, methodological instructions) determines the structure and volume of information collected, its reliability and timeliness, allows to generate analytical reports and make decisions based on facts.

The university has developed a regulation on the official information site of S. Seifullin KATU (POIS QMS 09.9011-2019). However, the EEC notes that the university has not defined the rules for updating the information on the university website. It is necessary to continue working on the submission and collection of reporting information and its tracking in the context of educational programs.

To carry out the process of collecting and analyzing information about the development of the EP "Wildlife", meetings of the department are held with the participation of the teaching staff, representatives of the group of students (students of 2,3,4 courses and undergraduates take part), as well as employers (representatives of the regional society of hunters and fishermen are invited). Nur-Sultan, public association "Kansonar", representatives of "Okhotzooptom" and territorial inspection), meetings "Round tables" at the annual fairs of graduates. The students were offered to include in the EP the issues of modern hunting management, taking into account the use of digitalization methods, the introduction of innovative technologies, reflect the issues of acclimatization and conservation and restoration in matters of preserving the biodiversity of the fauna of the Republic of Kazakhstan. Employers propose the introduction of issues of modern methodology for monitoring the animal world, the development of game breeding, as a method of conservation and restoration of biodiversity.

Strengths / The best Practice

- Implementation of an integrated approach to information management by using modern information and communicative technologies;
- Systematic use of processed, adequate information to improve the internal quality assurance system;
- The University uses a developed system of communication with students, teachers and staff, used, among other things, to resolve conflicts;
- Organization of a system of regular reporting of structural units and departments to assess their effectiveness and efficiency;
- All students, teaching staff and employees document their consent to the processing of personal data;
- Availability of information, including data on students, their educational achievements, on the availability of educational resources, employment of graduates and key performance indicators.

Conclusions of the EEC on the criteria: strong - 4; satisfactory - 12.

6.3. Standard "Development and approval of educational programs"

Proof part

The university carries out educational activities in accordance with the state license No. 0062189 dated July 02, 2008, without limitation of the duration in 18 areas of training for undergraduates, 16 areas of magistracy and 12 areas of doctoral PhD. The development and approval of educational programs at S. Seifullin KATU is carried out in accordance with the provisions of regulatory legal acts in the field of higher and postgraduate education, as well as the documentation developed by the university to ensure transparency and clarity in the implementation of development strategy directions (Regulation on the procedure for providing a development plan for an educational program and monitoring its implementation; Design and development of educational services).

Employers from among the heads of practice bases, representatives of enterprises where branches of departments are located are involved as EP developers. The EP is evaluated by both external and internal experts.

The ongoing changes in the labor market requirements for EP training results are reflected in the specific proposals of employers in the form of adjustments to the content of the studied disciplines and professional practices, which are discussed at the meetings of departments, and then introduced into the EP. Taking into account the requirements of the labor market and the proposals of employers, the university began training under the new EP 7M05102 - "Plant Biotechnology".

All specialties are provided with standard and working curricula of specialties, standard and working programs of disciplines. The general availability of the content of the EP is ensured by the placement on the university's website of SES, WEPs, a guidebook, a schedule of classes, the availability of educational materials, syllabuses, QED in the library, and issuing IEPs to students.

The procedure for the development of educational and methodological materials, which include IEP, WEP, CED, EMCD (syllabuses), methodological recommendations for various types of activities, is presented: in the organization's standards: QMS 1.1.06-2015 "On the preparation, examination and publication of educational and methodological literature at Employers from among the heads of practice bases, representatives of enterprises where branches of departments are located are involved as EP developers. The EP is evaluated by both external and internal experts.

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The maximum volume of the student's academic load, including all types of classroom and extracurricular educational work, meets the requirements of the State Educational Standard of the Republic of Kazakhstan for educational levels. The qualifications obtained upon the completion of the programs are clearly defined and correspond to the NQF level: for master's degree - 7. General and professional competences are described for these qualification levels using the European framework for higher education qualifications.

In addition to the standard curriculum, the university is developing a catalog of disciplines, which is a systematic annotated list of all disciplines of the curriculum, including those included in the elective component. All information about QEDs and the results of registration of students for the disciplines of the academic year is posted on the university portal (<http://portal.kazatu.kz/>). S. Seifullin KATU "; QMS 02.2008-2017" The structure, content, procedure for the development and approval of the educational and methodological complex of the specialty and the educational and methodological complex of the discipline under the credit

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For the magistracy, more than 20 contracts for practical training were concluded, including with Astana-Zelenstroy JSC, Zhasyl Aimak RGKP, Astana Ormany JSC, Kokshetau Breeding Center RGKP, KazSRI LLP, Burabay State Scientific and Production Enterprise , State Scientific and Production Enterprise "Kokshetau", State Scientific and Production Enterprise "Bayanaul", State Natural Reserves "Semey Ormans", "Ertis Ormans" and other state institutions and protected areas of Kazakhstan, Department of Natural Resources and Environmental Management, Regional Territorial Inspections and other state institutions of Kazakhstan, State Institution "Republican plant quarantine center ", RSU“ Republican Methodological Center for Phytosanitary Diagnostics and Forecasts ”of the Ministry of Agriculture of the Republic of Kazakhstan and RSE“ Phytosanitary ”, LLP“ Kazakh Research Institute of Plant Protection and Quarantine ”, LLP“ N.I. Baraev Kazakh SPC of Grain Economy., LLP "Kazakh Research Institute of Agriculture and Plant Growing", LLP "Alem Agro", LLP "Baysyerke Agro", etc.

Industrial practice for accredited EP is carried out in accordance with the internal regulatory documents MI QMS 02.2017-2017 "Procedure for organizing and conducting practical training of students" and MI QMS 02.2020-2017 "Procedure for organizing and conducting practical training for undergraduates / doctoral students." The passage of all types of practice is carried out at the enterprises of the practice bases with which the department has the contracts.

Experts note that the content of educational programs, the sequence of their implementation correspond not only to regulatory requirements, but also to the demands of the labor market.

Experts note that S. Seifullin KATU, in accordance with the Dublin descriptors, has adopted a system for converting Kazakh loans into ECTS credits, the labor intensity of disciplines, modules, as well as the workload of the teaching staff and student employment during the academic period . The volume of credits allocated for the study of educational modules and academic disciplines is determined by their complexity and importance in professional training.

Analytical part

During the visit, the experts analyzed the modular educational program, educational and methodological support for its implementation. The documentation was developed in accordance with the intra-university guidelines and regulatory requirements of the Republic of Kazakhstan.

Analysis of the developed educational program showed the presence of a description of learning outcomes and key competencies acquired by students. Depending on the level of education, the knowledge, skills and abilities of students deepen and improve from undergraduate to graduate and doctoral studies. At the same time, it is necessary to work on the development of a model of graduates for an educational program, describing learning outcomes and personal qualities.

The University has created conditions for internships: programs have been developed, the content of which corresponds to the goals and objectives of training specialists; concluded long-term and short-term contracts for the conduct of practices; opening and closing conferences are held; during the internship, the leaders from the university and the internship base constantly consult the student, guide, help to conduct professional activities; upon completion, the reporting documentation of students is collected and analyzed, work is underway to summarize the results of the practice and, together with the approved composition, the commission takes credit from the students based on the results of the practice in the prescribed manner. At the same time, in order to attract stakeholders and expand the employment opportunities for graduates, it is necessary to conclude agreements on practice bases with newly opened enterprises and organizations.

To identify the needs of employers, the university annually conducts a survey. In a sociological survey, the results of which made it possible to draw up a number of recommendations for departments to improve the practical competencies of graduates. At the same time, in the structure of the EP, it is necessary to provide for various types of activities that correspond to the learning outcomes.

Strengths / The best Practice

- procedures for the development of EP and their approval at the institutional level are defined and documented;
- working groups have been formed to develop EP, which include teachers, students, employers, external experts are involved;
- compliance of the developed EP with the established goals, including the expected results;
- annual questionnaires and surveys of employers on the content of the EP and requirements for graduates;
- annual revision of the content of curricula and training programs, taking into account changes in the labor market, the requirements of employers and the social demand of society
- the content of academic disciplines and learning outcomes correspond to the level of education (master's degree).

EEC recommendations

- To improve on an ongoing basis the model of graduates for EP.
- In order to attract stakeholders and expand employment opportunities for graduates, conclude agreements on practice bases with newly opened enterprises and organizations.
- Provide in the EP structure various types of activities corresponding to the learning outcomes.

Conclusions of the EEC on the criteria: strong - 4; satisfactory - 8.

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

Proof part

Analysis of the self-assessment report and familiarity with the university's documentation showed that NPJSC "S. Seifullin KATU " is a system that implements the processes of monitoring, analysis and improvement of EP in order to demonstrate the compliance of educational services with the requirements of the State Educational Standard of Education, stakeholders, QMS and continuous improvement of its effectiveness. The monitoring system is based on the PSIPM QMS 01.1022-2017 "Regulations on the system of indicative planning and monitoring" and the PMDPDMR QMS 02.2034-2018 "Regulations on the procedure for developing a plan for the development of an educational program and monitoring its implementation", which provide an objective analysis and assessment of the quality of educational programs offered by the university through external and internal audit.

To assess the effectiveness of the EP implementation, such criteria as the completeness of the EP structure's correspondence to the structure of the State Educational Standard of Education

of specialties in the formation of the student's competence is used; taking into account the opinions of employers and consumers of educational services. Internal control is carried out by the Department for educational and methodological work on an ongoing basis. Analysis and assessment of the degree of customer satisfaction is carried out by the rector, vice-rectors, heads of the EP in the course of their interaction with the students (meetings, surveys, answering questions, receiving letters, etc.).

To control and assess the quality of the EP, mutual visits and open classes of teachers are held. The quality of classes and the teaching materials used, the timeliness of the assignment to the IWS, the organization of monitoring and assessment of students' progress are analyzed at the meetings of the department. External control of the effectiveness of the implementation of the EP is carried out in the process of work of the SJSC, during the certification and accreditation of the university, undergoing internships, writing theses, master's and doctoral theses.

The results of monitoring the quality of EP implementation are drawn up in the form of analytical reports, reports and are considered at the meetings of the collegial bodies of the university (meetings of departments, councils of faculties, meetings of structural divisions, the administration and the Academic Council). The organization of monitoring procedures as the part of the EP evaluation is planned. The results of quality monitoring are considered in the context of taking preventive and corrective actions.

The university has a system of internal monitoring of the quality of students' knowledge. Analysis of learning outcomes by courses and faculties in the context of educational programs. The efficiency and reliability of information for managing the quality of educational activities is ensured through the use of the information system "PLATONUS", which contains all information on the educational activities of students.

Analytical part

Analysis of the submitted documents showed that all activities carried out based on the monitoring results are reflected in the documentation in the form of decisions of the Academic Council, administration, etc. ; decisions made in departments; measures based on the results of internal audits; measures based on the results of external audits; measures based on the results of the analysis of the functioning of the QMS; corrective actions based on the results of identified and potential inconsistencies.

Thus, in NPJSC "S. Seifullin KATU "there is a continuous mechanism of monitoring and periodic assessment of the quality of EP, which is engaged in the services of the university: departments, dean's offices, Department of educational and methodological work, educational and methodological department. This process includes: survey of students, graduates, teachers, employing organizations; analysis of students' progress; information support of the educational process, resource and information support of the EP; analysis of the student assessment system; assessment of the level of competence of teaching staff; the degree of compliance of the EP with the established requirements.

Experts note that the revision of the EP is carried out once a year, taking into account changes in the labor market, the needs of employers, the latest scientific achievements in specific disciplines and the social demand of society. Participation in the development of the processes of assessment, analysis and continuous improvement of EP is also regulated in the job descriptions of teachers who annually develop new courses on topical problems of modern science. Every year, changes are made to each educational program, taking into account the opinions of students and employers, amounting to 10% of the number of academic disciplines.

The needs of students in the formation of educational programs can be satisfied when choosing elective courses. Additional adjustments occur in the course of organizing practices: the company issues a report on the needs for changes, notes the strengths and weaknesses of the training. Despite this, it is necessary to continue to work on continuous monitoring of educational programs for compliance with the regulatory requirements of the Ministry of Education and Science of the Republic of Kazakhstan.

Strengths / The best Practice

- annual audit of educational programs;
- the effectiveness of assessment procedures for students.

EEC recommendations

Conduct constant monitoring of the EP for compliance with the regulatory requirements of the Ministry of Education and Science of the Republic of Kazakhstan.

Conclusions of the EEC on the criteria: strong - 1; satisfactory - 8.

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

Proof part

EEC experts note that student-oriented learning is a priority direction of the organization of the educational process at the university in which the teacher and students are active subjects of the educational process. It allows you to create unique conditions for each student, contributing to effective advancement along the chosen educational trajectory and self-realization of each student, as well as the professional growth of the teacher. Student-centered learning is carried out using a variety of active and innovative teaching methods and technologies, taking into account the variety of forms of knowledge assimilation, which is reflected in the self-assessment report.

The internal normative documents that determine the educational policy are: the Charter of NPJSC "S. Seifullin KATU", "Development Strategy of S. Seifullin KATU until 2025" KATU - 2025, "Rules for organizing the educational process on credit technology of education" Order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 12, 2018 No. 563, Standard rules for conducting current monitoring of progress, intermediate and final certification of students "Order of the Ministry of Education and Science of the Republic of Kazakhstan dated September 25, 2018 No. 494, etc.

The university organized the process of adaptation of foreign students, which took place both within the framework of educational activities and during extracurricular activities, which formed speech and socio-cultural competence. Foreign students study in groups with other students, which contributes to the integration of a foreign student into a new social and cultural life.

The university operates a system to support teaching and learning (Student Support Service), implemented via the Internet. The implementation of the EP is carried out on the basis of educational and methodological complexes of the specialty and disciplines and is provided with free access of each student to information library resources, methodological manuals and recommendations for the modules of the studied disciplines and all types of educational work: workshops, course and diploma design, professional practices.

To form the necessary general and professional competencies of graduates in the educational process, innovative methods and means, active and interactive forms of conducting classes (computer programs, business games, teamwork, analysis of specific situations, seminars-discussions, various trainings) are used, which are determined taking into account individual needs of students. In addition, training is successfully combined with extracurricular work and industrial practice; branches of departments in production are actively used for conducting classes. In order to strengthen the practice-oriented orientation at the branches of the departments, practical classes are held.

The department developed a "Program for the widespread introduction and application of innovative technologies in the educational process for 2016-2020. Teachers actively use not only electronic textbooks, but also teaching aids, monographs, including their own, published by the university publishing house." For all disciplines, educational and methodological complexes in the state and Russian languages have been formed. The educational disciplines are equipped with educational and didactic materials with a modern level of content and performance - posters, slides, electronic lectures, presentations.

An automated learning management system "Platonus" for students, teachers and university staff has been introduced into the educational process. As a result, the knowledge control system has become completely transparent, and all progress results are available for viewing online. There is a point-rating system for assessing knowledge with the presentation of all control results in an electronic journal of visits and progress in a computer program.

Monitoring of the progress of students along the educational trajectory is carried out by the "Registrar's Office" on the basis of the system for evaluating the results of students and reports of the teaching staff of the department. The educational achievements of students in all types of educational assignments and assignments are evaluated according to the point-rating letter system of knowledge assessment. In connection with the changes in regulatory documents, the university has developed a standard for organizing QMS 02.2007-2018 "Knowledge control and final certification of students."

In the course of the interviews with the students, the opinion that the EP's management should focus on conducting practice-oriented classes, introducing a dual form of training was supposed.

Analytical part

The EEC confirms that the academic policy of the university is aimed at stimulating the motivation of students, the formation of the expected learning outcomes and personal qualities of students. The university creates favorable conditions for learning, provides maximum assistance to the personal development and self-realization of each student, as well as the professional growth of the teacher.

The EEC states that in order to identify the needs of various categories of students, data from a regularly conducted analysis of progress in the context of courses, faculties, specialties and students are used; information on the nature of students' appeals to dean's offices and other structural divisions is used.

EEC notes that the use of active and innovative teaching methods by the teaching staff in the educational process leads to an increase in the quality of classes, the interest of students and to their active involvement in the learning process. At the same time, research is not actively carried out in the field of teaching methods of academic disciplines, although the development and implementation of our own innovative teaching methods in educational practice would undoubtedly improve the organization of the educational process.

Thus, freedom of choice, ensuring equal opportunities for students is achieved by the completeness of educational, methodological, organizational, methodological and informational support of the educational process in the languages of instruction: state, Russian, English. Information material for students on the university website is also presented by language.

Strengths / The best Practice

- ensuring consistency, transparency and objectivity of the mechanism for assessing learning outcomes, including appeal;
- assistance in the formation of an active role of the student in the educational process.
- High methodological support of EP and a variety of scientific support (laboratories, research centers), etc.
- Use in the educational process of modern information and pedagogical teaching technologies;

EEC recommendations

Carry out on a systematic basis research in the field of teaching methods of academic disciplines and draw up an action plan for the introduction of new developments in teaching methods into educational practice.

Conclusions of the EEC on the criteria: strong - 1; satisfactory - 7, suggests improvements - 2.

6.6. Standard "Students" Analytical part

The EEC confirms that the academic policy of the university is aimed at stimulating the motivation of students, the formation of the expected learning outcomes and personal qualities of students. The university creates favorable conditions for learning, provides maximum assistance to the personal development and self-realization of each student, as well as the professional growth of the teacher.

The EEC states that in order to identify the needs of various categories of students, data from a regularly conducted analysis of progress in the context of courses, faculties, specialties and students are used; information on the nature of students' appeals to dean's offices and other structural divisions is used.

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Thus, freedom of choice, ensuring equal opportunities for students is achieved by the completeness of educational, methodological, organizational, methodological and informational support of the educational process in the languages of instruction: state, Russian, English. Information material for students on the university website is also presented by language.

Strengths / The best Practice

- ensuring consistency, transparency and objectivity of the mechanism for assessing learning outcomes, including appeal;
- assistance in the formation of an active role of the student in the educational process.
- High methodological support of EP and a variety of scientific support (laboratories, research centers), etc.
- Use in the educational process of modern information and pedagogical teaching technologies;

EEC recommendations

Carry out on a systematic basis research in the field of teaching methods of academic disciplines and draw up an action plan for the introduction of new developments in teaching methods into educational practice.

Conclusions of the EEC on the criteria: strong - 1; satisfactory - 7, suggests improvements - 2.

6.6. Standard "Students"

Proof part

Policy of formation of the contingent of students in NPJSC " S. Seifullin KATU "is to admit to the number of undergraduates the persons who are most prepared for studying at the university, consciously choosing the desired specialty and is regulated by a documented procedure: Standard rules for admission to training in educational organizations that implement educational programs of postgraduate education http://kazatu.kz/assets/i/deps/pravila_priema_na_poslevuz_obraz_2019_ru.pdf., the main purpose of which is to establish the requirements and describe the procedure for managing the process of forming a contingent of students in higher education programs.

Those who enrolled in the 1st year of the master's program of the department are provided with a guidebook, which reflects: the internal regulations, the mode of operation of all services, the procedure for paying for tuition, criteria for assessing learning outcomes, information about educational programs, a telephone directory and other useful information for a freshman. 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 a special department, advisers. The adviser, appointed by the order of the university for the educational program, provides academic support for students throughout the entire period of study. Students, with the help of the adviser, form individual learning paths presented in the individual curriculum, on the basis of which the working curriculum is formed for each academic year.

EEC confirms that all academic information is available on the information and educational portal of the university (www.portal.kazatu.kz) with the ability to enter users both for internal networks and via the Internet.

Over the past three academic years, the main emphasis on improving the efficiency of production practices is carried out through the branches of departments in production - the organization of classes in professional disciplines and conducting production practices directly in the operating production. The bases of industrial practice are organizations corresponding to the profile of the EP, with which the university concludes long-term contracts.

EEC notes that the university has organized systematic activities for the employment of graduates. The University provides 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. In order to study the labor market, the employment of graduates is monitored, an electronic base of graduates has been compiled <http://kazatu.kz/ru/ob-universitete/vipusniki-gordost-kazatu/>. To assist graduates in finding a job, the university annually holds a job fair, which is attended by representatives of more than 100 organizations.

VEC notes that the university implements one of the most effective forms of interaction with young people: their involvement in the management bodies of the university. The student community is represented in the Academic Council of the University, the Commission for the Allocation of Places in Dormitories, the Council for the Prevention of Offenses and Combating Corruption. The university has a Committee for Youth Affairs, whose work is aimed at promoting the civil-patriotic, social, cultural and spiritual and moral development of students.

The sports club organizes the work of sports sections in 18 sports: volleyball, mini-football, table tennis, boxing, togyzkumalak, judo, chess, athletics, and others. Good conditions for doing sports are created for students. In order to identify gifted youth, the university annually hosts traditional sports competitions for students, faculty and staff and other mass sports events, such as a sports competition among freshmen, a sports competition between faculties, a sports competition "Cheerfulness and health", etc.

To maintain feedback and monitor the professional activities of graduates of different years, the university website (<http://www.kazatu.kz>) is used under the Alumni Club heading (<https://kazatu.kz/ru/ob-universitete/klub-vipusnikov/>) and widely used social networks (VK, Instagramm, Facebook).

An important factor is also the availability of support programs for talented students and their ability to continue their education in educational programs of postgraduate education in the magistracy and doctoral studies.

Analytical part

Experts of the EEC IAAR note that NPJSC "S. Seifullin KATU" has a transparent policy for the formation of the contingent of students, approved procedures that regulate the life cycle of students.

The EP's management has demonstrated the implementation of special programs for adaptation and support of foreign students, actively encourages students to self-education. The university cooperates with other educational organizations for academic mobility, provides students with practical places, promotes the employment of graduates.

At the same time, the EP management did not provide data on the existence of a mechanism for supporting gifted students, on the social protection of students. This was confirmed in the

course of interviews with students.

Strengths / The best Practice

- the transparency of procedures for the formation of the contingent of students from admission to graduation is ensured. Determined, approved and published procedures regulating the life cycle of students from admission to completion;
- the university demonstrates the implementation of special adaptation and support programs for newly admitted and foreign students
- the university makes every effort to provide internship places and facilitate the employment of graduates.

EEC recommendations

Intensify efforts to attract foreign students

EEC conclusions by criteria: strong - 3; satisfactory - 10, suggests improvements - 1.

6.7. Standard «Academic teaching staff»

Proof part

Analysis of the documents showed that NPJSC S. Seifullin KATU implements personnel policy in accordance with the main priorities of the University Development Strategy. The teaching staff of the university carries out educational, educational, methodological, research and educational work, as well as control and management of the research work of students. The teaching staff of the department includes 3 doctors of sciences, 1 professor, 6 associate professors, 7 candidates of sciences, 2 PhD, 5 senior teachers from production and 4 masters. The average degree of the department is 71.0% today.

Personnel policy is regulated by the normative documents of the Ministry of Education and Science of the Republic of Kazakhstan and internal documents of the university, such as the Qualification characteristics of employees of S. Seifullin KATU developed in accordance with the Typical Qualification characteristics of the positions of teaching staff, approved by the order of the Minister of the Republic of Kazakhstan on July 13, 2009 No. 338; Regulations on the internal regulations of the NPJSC "S. Seifullin Kazakh Agro Technical University"; Regulations "On the establishment of an allowance for the teaching staff based on the rating", etc.

Regulatory documents governing the procedure for recruitment, promotion, functional duties, internal regulations are published on the university website and published in the form of collections. In addition, there is an opportunity to apply personally to the rector's blog on the university website. This testifies to the availability of management of its interest in the development of feedback from the team.

Experts confirm that all the normative documents and job descriptions of the teaching staff are available at the departments, the teachers are familiar with them (the fact of familiarization is confirmed by a mark in the "Acquaintance Sheet"); they are available to the teaching staff.

In order to improve the professional level, motivate employees and stimulate employees, there is a system of bonuses for teachers and employees for personal contribution and results achieved in labor activity. Checking the competence of the teaching staff is carried out through the established methods and forms of a comprehensive assessment of the activities of the teaching staff at the end of the academic year in accordance with the Regulation "On the establishment of an allowance for the teaching staff based on the rating." A comprehensive assessment of the professional activity of the teaching staff covers educational, educational, methodological, scientific and educational work and takes into account the results of the questioning of students. Based on the results of a comprehensive assessment, a staff rating map is drawn up.

The teaching staff of the EP takes an active part in competitions for grant financing, program-targeted financing, grant financing of commercialization projects, the administrator of which is the Ministry of Education and Science of the Republic of Kazakhstan, the Ministry of Agriculture of the Republic of Kazakhstan, development institutions. In the period from 2015 to

2020, projects worth more than 110 million tenge have been implemented under accredited educational programs. According to the results of the research work of the teaching staff of the departments of accredited programs of the agronomic faculty in the period from 2016-2020. scientific articles published in journals with a non-zero impact factor included in the Web of Science and Scopus 60 databases, 10 Eurasian patents were received, CCSES - 120, in conference proceedings - 168, 6 monographs, more than 80 textbooks, teaching aids and EMCD.

In order to harmonize the content of EP of leading Kazakhstani and foreign universities and conduct joint research, the university provides for academic mobility. In the field of education and science, the university has concluded international memorandums of cooperation with the world's leading universities. Lecturers and professors from leading universities in Germany, Turkey, USA, Australia were invited to deliver lectures, conduct seminars and consultations.

The university has created conditions to support young teachers: the Council of Young Scientists, the School of Lecturers, the School of Pedagogical Skills, etc. are functioning, where teaching staff receive new knowledge in teaching methods. There is an opportunity to improve your professional level by working with scientific and educational literature in the libraries of the university, free access to leading electronic libraries.

S. Seifullin KATU effectively used measures of moral and material incentives for teaching staff for their professionalism and dedication. Every year, university teachers participate in the competition of the Ministry of Education and Science of the Republic of Kazakhstan for the title "The best teacher of the university." The department employs 3 holders of the state grant "The best teacher of the university" in 2008 - Suranshiev Zh.A., 2015-Bulashev A.K., 2019-Akibekov O.S.

Analytical part

Thus, the personnel policy of the university is a complex of works arising from the mission and strategy with the aim of forming and effectively using motivated and highly productive personnel capable of adequately responding to the impact of the external and internal environment. The order in force at the university ensures the transparency of the personnel policy.

The teaching staff meets the qualification requirements for licensing educational activities. 100% of teachers have basic education in the direction of training in all specialties.

Visiting departments, faculties, as well as the participation of interviewing teaching staff and students, determined the quality of training. At the same time, experts note the insufficient level of academic mobility of the teaching staff, attracting foreign and domestic teachers to conduct joint research in the implementation of educational programs

Strengths / The best Practice

- objective and transparent personnel policy, ensuring professional growth and development of personnel;

- compliance of the staff potential of the teaching staff with the development strategy of the university and the specifics of the EP;

EEC recommendations

Continue working on the development of academic mobility of teaching staff and attracting the best foreign and domestic scientists to the implementation of the educational process.

EEC conclusions by criteria: strong - 2; satisfactory - 6, suggests improvements - 1.

6.11. Standard "Educational resources and student support systems"

Proof part

During the audit, EEC made sure that the material and technical base was sufficient to support the educational process and implement the mission, goals and objectives of the university. The university is taking measures aimed at improving resource provision. The learning environment is presented, including material and technical equipment, corresponding to

the plans for the implementation of educational programs. S. Seifullin KATU has 11 educational buildings, 12 hostels, 15 canteens for 950 seats. The university's classroom fund consists of 310 classrooms equipped with modern equipment with a total area of 25474.76 sq. m, including 103 specialized classrooms and 57 computer labs. Currently, the park of multimedia teaching aids is more than 300 units: multimedia projectors - 237 units, interactive projectors - 49, interactive boards - 34. The buildings and structures of the university comply with the current sanitary standards and fire safety requirements.

Table - The list of the main equipment used for practical and laboratory studies at the Faculty of Veterinary Medicine and Livestock Technology," NPJSC S. Seifullin KATU "

№ п/п	Type of equipment, device, inventory	Appointment of equipment, device, inventory	Model and year of manufacture	Number of available units	Condition (new, good, bad)	Own, rented (from whom)
Department of "Microbiology and Biotechnology"						
1	Automatic steam sterilizer for vacuum SPVA-75-1-HH	For sterilization of utensils and food.	02.10.2014	1 p.	good	own
2	Refrigerator "Biryusa", INDESIT C132 G, Bosch KGV-39VW20R	Storage Reagents and biomaterials	24.12.2014	6 p.	good	own
3	WINDOW shelf "Biryusa"	Storage	19.09.2013	1 p.	good	own
4	Sink table	Washing dishes and hands	01.08.2014	4 p.	good	own
5	Orbital shaker	Mixing liquids and solutions. Cell breakdown	03.09.2015	2 p.	good	own
6	Electronic table scales, pharmacy, GASCUM -220H	Weighing of reagents, culture media.	08.09.2015	6 p.	good	own
7	Magnetic stirrer, C-MAG HS7, MAG MS 4, Big squid,	Cooking and mixing food	30.12.2008	8 p.	good	own
8	Bactericidal irradiator	Sterilization, quartzing, indoor air disinfection	25.12.2012	5 p.	good	own
9	BOX OF BIOLOGICAL SAFETY class 2, Laminar box	Conducted laboratory work with biological objects in sterile conditions	13.08.2014	7 p.	good	own
10	Drying cabinet ED115 BINDER. Drying cabinet	For drying dishes and For drying dishes and	20.08.2014	3 p.	good	own
11	Air sterilizer ED-53	For drying dishes and For drying	08.04.2013	1 p.	good	own
12	Centrifuge	Separation of factions	29.12.2014		good	own
13	DRY-AIR COOLING THERMOSTAT TCO-1/80 SPU Thermostat TSO-1/80 SPU	Receiving and maintaining bacteriological and serological studies inside the working chamber	15.07.2013 08.08.2014	3 p.	good	own
14	Microscope (with computer)	Movement and division of cells and microorganisms in things for research		1 p.	good	own

15	Monocular Digital Microscope Microscopes	While working with biological tissues and cell cultures in microbiology	31.03.2009 31.03.2012 31.03.2011 15.10.2012	10 p. 1 p.	good	own
16	Monocular microscope with	Cell division		38 p.	good	own
17	Biochemical analyzer MINI SCREEN	Intended to carry out biochemical research	27.09.2007	1 p.	good	own
18	Spectrophotometer PE-5400UF (computer, printer) PEPE041412001 02	Analysis DNA, RNA protein, etc.	26.03.2013	1 p.	good	Own
19	Fermenter included (system unit, monitor, keyboard mouse, printer)	For biomass cultivation	05.12.2013	1 p.	good	Own
20	Shaker OS-20 with platform UP-12	Suspension cultivation For food preparation for PCR	09.01.2015 31.12.2005	7 p.	good	Own
21	HOMOGENIZER UTTD	Eliminating or slowing down the process of phase separation and their stabilization and increasing the rate of the proceeding reactions	15.07.2013	1 p.	good	Own
22	Compressor	For compressing air and supplying them under pressure	30.12.2014	1 p	good	Own
23	Cooling thermostat	Heat insulation exchange	09.09.2015	1 p	good	Own
24	Epson EB-S03 projector (3DSVB800x 600b2700 Lm. 1000.1 lamp 5000h. USB Display 3-in-1, HDMI. USB A.B, auto-corrected vertical claim.)	Demonstration, video show, slideshow, lecture, etc.	21.10.2014	9 p	good	own
25	Wall screen matt white MW MSPSBB112 (2.0x 2.0 w)	Show video. at LPZ, SRO	21.10.2014	6 p.	good	own
26	Pipettes	Nutritional dosage жидкости	26.05.2016	2 p	good	own
27	Phytocamera	Cultivar. plant cells	14.12.2012	1 p.	good	own
28	Electric centrifuge, Centrifuge	Separation of factions,	19.12.2009 29.12.2014	2 p.	good	own
29	Ph-метр 410 с электродом	Measurement of concentration of hydrogen ions	02.03.2009	2 p.	good	own
30	Dry-air thermostat TV-20 PZ-K	Sterilization		2 p.	good	own
31	Metal shelves	for storage of dishes and equipment (reagents)	13.08.2014	6 p	good	own
32	4-bed water bath	Sterilization	20.10.2014	1 p.	good	own
33	Koch apparatus	Steam sterilized	15.03.2018	1 p.	good	own
34	Anaerostat	for cultivar.	07.03.2018	2 p.	good	own

35	Aqua Distiller Electric AE-25 MO Serial number 0428013	Water purification. Water sterilization	27.08.2015	1 p.	good	own
36	Culture media preparation system SMP-160	Prepare food environment	10.11.2014	1 p	good	own
37	Electro titanium	Hot water	23.07.2010	1 p	good	own
38	ELISA plate - Analyzer	Analysis of clinical diagnostics ELISA, PCR	20.03.2019	1 p	good	own

Two dormitories for students No. 5 and No. 8 with a total area of 3 168.9 and 8 755.6 (m²), which have rooms for students, rooms for leisure, reading room resources, Internet cafe, Wi-Fi.

The key element of the university infrastructure is the University Scientific Library. The main fund of the library in the direction of training "Biotechnology" - 15621 copies: in Kazakh language - 7907, in Russian - 7714 items. Including: textbooks-13403, of which in the state language-6931, in Russian-6472; including: in general education disciplines - 11957, of which in state language - 6367, in Russian - 5590; in basic disciplines -1446, of which in the state language -564, in Russian - 882 copies; methodical literature - 2218, of which 976 in the state language, 1242 in Russian;

To inform users, the library website is actively developing <https://library.kazatu.kz/>

In order to support students, teaching staff and staff in access to modern databases under a national license, open access to world resources of scientific publications in the Web of Science platform is provided, (<http://webofknowledge.com>), SpringerLink www.link.springer.com, Scopus (<https://www.scopus.com>), ScienceDirect (<https://www.sciencedirect.com>) by Elsevier (<http://www.elsevier.com>). Access to full-text domestic resources of electronic libraries RIEL (Republican Interuniversity Electronic Library) www.rmeb.kz, Kazakhstan National Electronic Library (KazNEL) www.kazneb.kz is also provided; literary portals "Adebiet", portals <http://adebiportal.kz> and <http://kitap.kz/>, "Patents of Kazakhstan. Inventions. Bibliography".

The reliability of graduation works, master's theses, research results presented by teaching staff in monographs, scientific articles and reports is assessed by checking them for plagiarism in the licensed program "AntiPlagiat University".

Analytical part

Experts note that the university has a mechanism for assessing the development of material and technical resources and information support through scheduled reports at meetings, the university has a sufficient number of classrooms equipped with modern technical teaching aids, including educational and scientific laboratories. The material and technical base of the university meets the sanitary and technical requirements.

Strengths / The best Practice

- the availability of teaching materials for students (syllables, textbooks and teaching materials);
- examination of research results, graduation works, dissertations for plagiarism;
- functioning of WI-FI on the territory of the university.

EEC recommendations

Develop a plan for the development of the infrastructure of the university, taking into account the needs of students with disabilities

EEC conclusions by criteria: satisfactory - 6, suggests improvements - 2

6.9. Public Information Standard

Proof part

The experts studied the materials presented in the self-report, the university portal and publications presented on it, publications of accounts in social networks and media. The university uses a variety of ways to disseminate information, including information networks

The university, in addition to the university website, has the following sources and services for the publication and coverage of information: student television studio; portal for employees and students (<https://platonus.kazatu.kz/>, <http://portal.kazatu.kz/>); Student Service Center (<https://kazatu.kz/ru/coo/>); advisor service and registrar's office; advisory services on the basis of departments, dean's offices and other departments of the university in terms of their powers; online consultant; official pages on social networks; information stands on the territory of the university.

Publication of information for the public is determined by the management, in accordance with the University's Media Plan; changes in the development strategy of the university; changes in the process of providing educational services; relevance and social value of information about people, events, facts, phenomena, processes of the university.

Responsible for the process of informing the general public is the Media Service of the University. Participants in the process of informing the public are the administration, the selection committee, the educational and methodological department, dean's offices of faculties, departments, the department of educational and social work, and other university services. The university's media service, using the media, the Internet, the official website of the university <https://kazatu.kz/ru/> (presented in Kazakh, Russian and English), other methods, informs the public: about the social role of the university, about the achievements and plans development of the university, about the main educational programs being implemented, about innovative achievements, about the activities of student support services, about participation in the implementation of international programs and projects, about the results of activities, about the achievements of graduates, as well as about foreign and international scientific societies and associations. Together with this, the Media Service works with such international and national information portals as <http://nasec.kz/ru>, <http://iac.kz/>, <http://www.magna-charta.org/>, etc.

The audited financial statements are published on the university website at the link <http://kazatu.kz/ru/ob-universitete/finansovaya-otchetnost/>.

Materials about all important university events are published in republican and regional newspapers and magazines, as well as broadcast on television. The university publishes the newspaper "Menin Universitym".

As part of the implementation of strategic tasks, the university uses a variety of ways to disseminate information, for example, open days, job fairs at the university, meetings of alumni, briefings held by management, round tables with heads of enterprises and organizations, exhibitions of achievements, demonstration of introduced new technologies and equipment, career guidance months and weeks.

External evaluation of the university and accredited educational programs is carried out through accreditation procedures and participation in national and international rankings <http://kazatu.kz/ru/ob-universitete/dostijeniya-universiteta-v-reytingah/>

Analytical part

VEC notes that in the field of information dissemination policy, S. Seifullin KATU demonstrates a policy of transparency, openness, involvement in informing the public of applicants, employers, participants in the educational process and all interested parties, constant development and adaptability to the changing realities of society. The EP's management uses the mass media and social networks to disseminate information. The website publishes information

about the activities of the university, financial statements. University accredited educational programs take part in national and international rankings. The results of the external examination are posted on the university website <http://kazatu.kz/ru/ob-universitete/akkreditaciya/>. The assessment of satisfaction with information about the activities of the university, the specifics and progress of the EP implementation is carried out annually by questioning and polling stakeholders. On the website of the university there is a “Rector's Blog”, in which anyone who wishes can ask the question to the head of the university and get an answer.



OVERVIEW OF STRENGTHS / BEST PRACTICES FOR EACH STANDARD

Information Management and Reporting Standard:

- Implementation of an integrated approach to information management using modern information and communication technologies;
- Systematic use of processed, adequate information to improve the internal quality assurance system;
- The University uses a developed system of communication with students, lecturers and staff, also the system is used to resolve conflicts;
- Organization of a regular reporting system of structural units and departments to assess their effectiveness and efficiency;
- All students, staff and employees document their consent to the processing of personal data;
- Availability of information, including students' data, their educational achievements on the educational resources availability, employment of graduates and key indicators.

"Development and approval of educational programs" Standard

- procedures for the development of EP and their approval are defined and documented at the institutional level;
- working groups have been formed to develop EP, which include lecturers, students, employers, also an external experts are involved;
- compliance of the developed EP with the established goals, including the expected results;
- annual employers' questionnaires and surveys on the content of the EP and requirements for graduates;
- annual revision of the content of curricula and training programs, taking into account changes in the labor market, the requirements of employers and the social demand of society
- the content of academic disciplines and learning outcomes correspond to the level of education (master's degree);

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

- annual audit of educational programs;
- the effectiveness of assessment procedures for students.

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

- ensuring consistency, transparency and objectivity of the mechanism for assessing learning outcomes, including appeal;
- assistance in the formation of student's active role in the educational process.
- High methodological support of EP and a variety of scientific support (laboratories, research centers), etc.
- Use of modern information and pedagogical teaching technologies in the educational process;

"Learners" Standard:

- the transparency of procedures for the formation of the contingent of students from admission to graduation is provided. Procedures regulating the life cycle of students from admission to completion are determined, approved and published
- the university demonstrates the implementation of special adaptation and support programs for newly admitted and foreign students
- the university makes every effort to provide internship places and promote the employment of graduates.

"Teaching staff Standard ":

- objective and transparent personnel policy ensuring professional growth and development of staff;
- staff potential compliance with the development strategy of the university and the specifics of the EP;

"Educational resources and student support systems" Standard:

- accessibility for students of teaching materials (syllables, textbooks and teaching materials);
- examination of research results, graduation works, dissertations for plagiarism;
- functioning of WI-FI on the territory of the university.

Public Information Standard:

- the active position of the university in clarifying the national development programs of the country and the system of higher and postgraduate education;
- Accessibility for students of the maximum possible structured information on qualification, teaching, learning, assessment procedures, including personalized interactive resources;

- The university uses a variety of ways to disseminate information on informing the public;
- The university has published audited financial statements;
- information and links availability to external resources based on external evaluation procedures results

"Standards in the context of individual specialties" (Natural sciences, agricultural sciences, technical sciences, and technologies)

Introducing disciplines and activities into the educational process aimed at gaining practical experience and skills (field classes, conducting individual classes at specialized enterprises, organizing professional practices).

- An invitation for scientists from leading world universities.
- Logical sequence in the study of disciplines



(VII) OVERVIEW OF RECOMMENDATIONS FOR QUALITY IMPROVEMENT

Information Management and Reporting Standard

No information

"Development and approval of educational programs" Standard

- To improve on an ongoing basis the model of graduates for EP.
- In order to attract stakeholders and expand employment opportunities for graduates, conclude agreements on practice bases with newly opened enterprises and organizations.
- Provide in the EP structure various types of activities corresponding to the learning outcomes.

"Continuous monitoring and periodic evaluation of educational programs" Standard

Conduct constant monitoring of the EP for compliance with the regulatory requirements of the Ministry of Education and Science of the Republic of Kazakhstan.

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

Carry out on a systematic basis research in the field of teaching methods of academic disciplines and draw up an action plan for the introduction of new developments in teaching methods into educational practice.

"Learners" Standard

Intensify efforts to attract foreign students

"Teaching staff" Standard

Continue working on the development of academic mobility of teaching staff and attracting the best foreign and domestic scientists to the implementation of the educational process.

"Educational resources and student support systems" Standard

Develop a plan for the development of the infrastructure of the university, taking into account the needs of students with disabilities.

Public Information Standard

Draw up a work plan for periodic control and updating of information on the web resource in the context of OP

Expand personal information about teaching staff on the university website.

"Standards in the context of individual specialties" (Natural sciences, agricultural sciences, technical sciences, and technologies)

Continue work to strengthen the practical teaching of students

RECOMMENDATION TO THE ACCREDITATION BOARD

The members of the external expert commission came to a unanimous opinion



Appendix 1. Evaluation table "PARAMETERS OF THE PRIMARY SPECIALIZED PROFILE"

№	№	Criteria for evaluation	Position of the educational organization			
			strong	satisfactory	Suggests improvement	entirely unsatisfactory
"Educational program management" standard						
1	1.	The institution of higher and / or postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the link between research, teaching and learning	+			
2	2.	The organization of higher and (or) postgraduate education must demonstrate the development of a culture quality assurance, including in the context of EP.		+		
3	3.	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.		+		
4	4.	The EP authorities demonstrates its readiness to ensure transparency in the development of the EP development plan based on an analysis of its functioning, the actual positioning of the PA and the focus of its activities on meeting the needs of the state, employers, students and other stakeholders. The plan must contain the timing of the start of the implementation of the educational program.		+		
5	5.	The EP authorities demonstrates the existence of 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.		+		
6	6.	EP authorities should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan.	+			
7	7.	The EP's authorities must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education.		+		
8	8.	The organization of higher and (or) postgraduate education must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and the delineation of functions of collegial bodies.			+	
9	9.	EP authorities must provide transparency evidence of the educational program management system.		+		
10	10.	The EP authorities must demonstrate the existence of an internal EP quality assurance system, including its design, management and monitoring, their improvement, decision		+		

		making based on facts.				
11	11.	The EP's authorities must carry out risk management, including within the framework of the EP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.		+		
12	12.	The EP authorities must ensure the participation of representatives of employers, teaching staff, students and other stakeholders in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.	+			
13	13.			+		
14	14.	The TOE must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.	+			
15	15.	The EP's authorities should be trained in educational management programs.			+	
Total			4	9	2	
“Information Management and Reporting” Standard						
16	1.	The TOE must demonstrate that it has a system for collecting, analyzing and managing information based on the use of modern information and communication technologies, software and that it uses a variety of methods to collect and analyze information in the context of the OP.		+		
17	2.	EP authorities must demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18	3.	The EP authorities must demonstrate fact-based decision making.		+		
19	4.	Within the EP, a system of regular reporting should be envisaged, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the units activities, departments and scientific research.	+			
20	5.	The PA should establish the frequency, forms and methods of assessing the EP management, the activities of collegial bodies and structural units, top management, the implementation of scientific projects.		+		
21	6.	The TOE must demonstrate the determination of the order and ensuring the protection of information, including the identification of persons responsible for the accuracy and timeliness of the information analysis and the data provision	+			
22	7.	An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.	+			
23	8.	EP authorities must demonstrate the existence of a communication mechanism with students, employees and other stakeholders, as well as mechanisms for resolving conflicts.		+		
24	9.	The TOE must demonstrate the existence of mechanisms for measuring the degree of satisfaction of the needs of teaching staff, personnel and students within the EP.		+		

25	10.	PA should provide for an assessment of the effectiveness and efficiency of activities, including in the context of EP.		+		
		Information intended for collection and analysis within the EP should take into account:				
26	11.	keyperformanceindicators	+			
27	12.	dynamics of the contingent of students in the context of forms and types;		+		
28	13.	academic performance, student achievement and expulsion;		+		
29	14.	satisfaction of students with the implementation of EP and the quality of education at the university;		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	The PA must confirm the implementation of the procedures for processing personal data of students, employees and teaching staff on the basis of their documentary consent.		+		
Total			4	12		
"Development and approval of basic educational programs" Standard						
32	1.	The TOE should define and document procedures for the development of the EP and their approval at the institutional level.	+			
33	2.	EP authorities must ensure that the developed EP meets the established goals, including the expected learning outcomes	+			
34	3.	The EP's authorities must ensure the availability of developed models of the EP graduate, describing the learning outcomes and personal qualities.		+		
35	4.	The EP management must demonstrate that external examinations of the EP content and the planned results of its implementation are carried out.	+			
36	5.	The qualification awarded upon completion of the EP must be clearly defined and correspond to a certain level of the NQF.	+			
37	6.	EP authorities must determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
38	7.	An important factor is the ability to prepare students for professional certification.		+		
30	8.	EP authorities must provide evidence of the participation of students, teaching staff and other stakeholders in the development of EP, ensuring their quality.		+		
40	9.	The complexity of the EP should be clearly defined in Kazakhstani loans and ECTS.		+		
41	10.	The EP management must ensure that the content of academic disciplines and the planned results are consistent with the level of education (bachelor's, master's, doctoral studies).		+		

42	11.	The structure of the EP should provide for various activities that ensure the achievement of students' learning outcomes.		+		
43	12.	An important factor is the correspondence between the content of the EP and the learning outcomes of the EP, the implemented models of higher and (or) postgraduate education in the EHEA		+		
Total			4	8		
"Continuous monitoring and periodic evaluation of basic educational programs"Standard						
44	1.	The PA should determine the mechanisms for monitoring and periodic evaluation of the EP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at continuous improvement of the EP.		+		
		Monitoring and periodic evaluation of the EP should include				
45	2.	the content of the programs in the light of the latest achievements of science in a specific discipline to ensure the relevance of the taught discipline;		+		
46	3.	changes in the needs of society and professional environment;		+		
47	4.	workload and performance of students;		+		
48	5.	the effectiveness of student assessment procedures;		+		
49	6.	expectations, needs and satisfaction of students with EP training;		+		
50	7.	educational environment and support services and their compliance with the goals of the EP.		+		
51	8.	TOE, EP authorities should define a mechanism for informing all interested parties about any planned or taken actions in relation to the EP.	+			
52	9.	All changes made to the OP must be published. The EP's management should develop a mechanism for revising the content and structure of the EP, taking into account changes in the labor market, employers' requirements and the social demand of society.		+		
Total			1	8		
"Student-centered learning, teaching and assessment of progress"Standard						
53	1.	EP authorities must ensure respect and attention to various groups of students and their needs, provide them with flexible learning paths.		+		
54	2.	EP authorities should provide for the use of various forms and methods of teaching and learning.			+	
55	3.	An important factor is the availability of their own research in the field of teaching methods of educational disciplines EP.		+		
56	4.	EP authorities must demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes.			+	

57	5.	The EP's authorities must demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
58	6.	The EP's authorities must demonstrate the existence of a procedure for responding to student complaints.		+		
59	7.	The TOE must ensure consistency, transparency and objectivity of the learning outcome assessment mechanism for each EP, including appeal.		+		
60	8.	The TOE must ensure that the procedures for assessing the learning outcomes of EP students are consistent with the planned results and objectives of the program. Criteria and methods of assessment within the EP must be published in advance.		+		
61	9.	In the PA, the mechanisms for ensuring the achievement of learning outcomes by each EP graduate should be determined and the completeness of their formation should be ensured.		+		
62	10.	Evaluators should be proficient in modern methods of assessing learning outcomes and regularly improve their qualifications in this area.	+			
Total			1	7	2	
"Learners" Standard						
63	1.	The PA must demonstrate the existence of a policy for the formation of the contingent of students in the context of 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.		+		
		EP authorities should determine the procedure for the formation of the contingent of students based on:				
64	2.	minimum requirements for applicants;		+		
65	3.	the maximum size of the group when conducting seminars, practical, laboratory and studio classes;		+		
66	4.	forecasting the number of state grants;		+		
67	5.	analysis of the available material and technical, information resources, human resources;	+			
68	6.	analysis of potential social conditions for students, incl. providing places in the hostel.	+			
69	7.	The EP's authorities must demonstrate its readiness to conduct special adaptation and support programs for newly admitted and foreign students.		+		
70	8.	The PA must demonstrate that its actions are in accordance with the Lisbon Recognition Convention.		+		
71	9.	CBOs 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.		+		
72	10.	The EP's authorities must demonstrate the existence of a mechanism for the recognition of the results of academic mobility of students, as well as the results of additional, formal and non-formal education.		+		
73	11.	The PA should provide an opportunity for external and internal mobility of students of EP, as well as a willingness to			+	

		assist them in obtaining external grants for training.				
74	12.	The EP's authorities must demonstrate its readiness to provide students with places of practice, to facilitate the employment of graduates, and to maintain communication with them.	+			
75	13.	The PA should provide for the possibility of providing EP graduates with documents confirming the acquired qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.		+		
76	14.	An important factor is the availability of mechanisms for monitoring the employment and professional activities of EP graduates.		+		
Total			3	10	1	
"Teachingstaff" Standard						
77	1.	PA must have an objective and transparent personnel policy, including in the context of EP, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff.		+		
78	2.	The PA must demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the PA and the specifics of the EP.		+		
79	3.	EP management must demonstrate awareness of responsibility for their employees and providing them with favorable working conditions.	+			
80	4.	The EP's management must demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.		+		
81	5.	PA should determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the PA, and other strategic documents.	+			
82	6.	OO should provide opportunities for career growth and professional development of the teaching staff of the EP.		+		
83	7.	The EP's authorities must demonstrate a willingness to involve practitioners from relevant industries in teaching.		+		
84	8.	PA must demonstrate the motivation for the professional and personal development of EP teachers, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods.		+		
85	9.	An important factor is the readiness to develop academic mobility within the EP, to attract the best foreign and domestic teachers			+	
Total			2	6	1	
"Educational resources and student support systems" Standard						
86	1.	The TOE must ensure a sufficient number of training resources and student support services that meet the goals of the EP.		+		
87	2.	The PA must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of EP (adults, working people, foreign students, as well as students with disabilities).			+	

		The EP's authorities must demonstrate the existence of support procedures for various groups of students, including information and counseling. The EP authorities must demonstrate the compliance of information resources with the EP specifics, including:				
88	3.	technological support for students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
89	4.	library resources, including the fund of educational, methodological and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases;		+		
90	5.	examination of research results, graduation works, dissertations for plagiarism;		+		
91	6.	access to educational Internet resources;		+		
92	7.	functioning of WI-FI on the territory of the educational organization.			+	
93	8.	The TOE should strive to ensure that the educational equipment and software intended for use in the development of educational programs are similar to those used in the relevant industries.		+		
Total				6	2	
Public Information Standard						
		The PA must publish reliable, objective, relevant information about the educational program and its specifics, which must include:				
94	1.	expected learning outcomes of the educational program being implemented;		+		
95	2.	qualifications that will be awarded upon completion of the educational program;		+		
96	3.	approaches to teaching, learning, as well as the system (procedures, methods and forms) of assessment;		+		
97	4.	information about passing scores and learning opportunities provided to students;		+		
98	5.	information about the possibilities of employment of graduates.		+		
99	6.	The EP's authorities should provide for a variety of ways to disseminate information, including the media, information networks to inform the general public and stakeholders.			+	
100	7.	Public awareness should include support and explanation of national development programs for the country and the system of higher and postgraduate education.		+		
101	8.	The PA must demonstrate the reflection on the web resource of information characterizing it in general and in the context of educational programs		+		
102	9.	An important factor is the availability of adequate and objective information about the teaching staff of the EP.		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners within the EP.		+		

		Total		9	1	
Standards in the context of individual specialties						
NATURAL SCIENCES, AGRICULTURAL SCIENCES, TECHNICAL SCIENCES, AND TECHNOLOGIES						
		The educational program of the directions "Natural Sciences", "Technical Sciences and Technologies" must meet the following requirements:				
112	1.	The EP should include disciplines and activities aimed at gaining practical experience and skills in the specialty in general and major disciplines in particular, including: <ul style="list-style-type: none"> - excursions to enterprises for specialization (factories, workshops, research institutes, laboratories, training and experimental farms, etc.), - conducting individual classes or entire disciplines at the enterprise of specialization; - holding seminars to solve practical problems relevant for enterprises in the field of specialization, etc. 		+		
113	2.	The faculty involved in the education program should include, as full-time teachers, practitioners with long-term experience as full-time employees in enterprises in the area of specialization of the education program.	+			
114	3.	The content of all EP disciplines should be based on and include a clear relationship with the content of fundamental natural sciences.		+		
115	4.	EP management should provide for measures to strengthen practical training in the field of specialization		+		
116	5.	The EP's management should provide for the training of students in the use of modern information technologies.		+		
Total			1	4		
In all			20	79	9	