



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

on the results of the work of the external expert evaluation committee  
for compliance with the requirements of the standards of primary  
specialized accreditation of educational programs for bachelor's degree  
"6B08302 Landscape design and gardening" and master's degree  
"7M08302 Bioresources management"  
S. Seifullin Kazakh Agro Technical University  
from "06" to "08" October 2020

**INDEPENDENT ACCREDITATION AND RATING AGENCY**

*External expert commission*

*Addressed to  
Accreditation  
the IAAR Council*



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## (I) LIST OF SYMBOLS AND ABBREVIATIONS

EP	educational program
GED	general education disciplines
OR	Registrar's Office
SC	standard curriculum
CSIT	center of scientific and information technologies
RW	research work
QMS	quality management system
TS	Teaching staff
EDMS	electronic document management system
Media	media
RSM	registration of student movement
EMCD	educational and methodological complex of the discipline
IWST	independent work of a student with a teacher
UNT	unified national testing
CT	complex testing
LLP	limited liability partnership
JSC	joint stock company
SUC	state utility company
HE	higher education
WI	working instructions
SRW	student research work
SSC	student scientific clubs
SAC	State Attestation Commission
WC	working curriculum
RL	Research Laboratory
RI	Research Institute
SIC	research center
EG	emergencies
SSO	student construction brigade
HL	a healthy lifestyle
KATU	Kazakh Agro Technical University named after S. S. Seifullin;
UMKS	educational and methodical complex of specialties
NMSU	Scientific and Methodological Council of the University
NMBF	scientific and methodological bureau of faculties
IEP	individual curriculum
QED	catalog of elective disciplines
IKO	individual student code

## (II) INTRODUCTION

In accordance with Order No. 71-20-OD dated 09/07/2020 of the Independent Agency for Accreditation and Rating, from 06 October to 08 October 2020, an external expert commission assessed the compliance of NJSC "S. Seifullin KATU " with the standards of primary specialized accreditation of the IAAR (from " February 24, 2017 No. 10-17-OD, fifth edition).

The report of the external expert commission (EEC) contains an assessment of the conformity of the activities of NJSC "S. Seifullin KATU " within the framework of primary specialized accreditation to the criteria of the IAAR, recommendations of the EEC on further improvement of the parameters of the primary specialized profile.

### **EEC composition:**

**Chairman of the Commission** - Bratsikhin Andrey Alexandrovich, Doctor of Technical Sciences, Head of the Department of Food Technologies and Engineering, Institute of Living Systems, North Caucasian Federal University;

**Foreign expert** - Sergei Konstantinovich Filipov Dr. sc. ing., professor, Abo Akademi University, Finland;

**Foreign expert** - Levykh Alena Yurievna, Candidate of Biological Sciences, Associate Professor of the Ishim State Pedagogical Institute named after P.P. Ershova;

**National Expert** - Omarov Rustem Tukenovich, PhD, Head of the Department of Biology and Biotechnology, 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, Semipalatinsk State University named after Shakarim;

**National Expert** - Akhmetov Bakhytzhon Srazhatdinovich Doctor of Technical Sciences, Professor, Abai Kazakh National Pedagogical University;

**National Expert** - Sagnaeva Saule Kairollaevna, Candidate of Physical and Mathematical Sciences, Professor of the Department of Information Systems, Gumilyov Eurasian National University;

**National Expert** - Mustafin Marat Askarovich Doctor of Technical Sciences, Professor of the Almaty University of Energy and Communications;

**National Expert** - Asangaliev Elibek Atrauovich, Candidate of Agricultural Sciences, Associate Professor of the Department of the School of Earth and Environmental Sciences, Serikbayev East Kazakhstan State Technical University;

**National Expert** - Gabdulov Madi Asetovich Candidate of Agricultural Sciences, Associate Professor of the Department of Plant Growing and Agriculture West Kazakhstan Agrarian Technical University named after Zhangir Khan;

**Employer** - Leyla Maratovna Zhanspaeva Human Capital Development Department of the Chamber of Entrepreneurs of Akmola Region;

**Employer** - Daniyar Amangeldinovich Zhantleuov, Candidate of Agricultural Sciences, employee of the North Kazakhstan Research Institute of Livestock and Plant Production;

**Student** - Mkash Nazgul 2nd year master student of the specialty "MKM" of the Kazakh-British University;

**Student** - Aisulu Tolegenova, 4th year student of the specialty "Biology", Gumilyov Eurasian National University;

**Student** - Askar Tengebaev, 1st year student of the Gumilyov Eurasian National University;

**Observer from the Agency** - Nazyrova Gulfiya Rivkatovna, Ph.D., Project Manager of the Agency.

### **(III) REPRESENTATION OF THE EDUCATION ORGANIZATION**

Non-profit joint-stock company "S. Seifullin KATU " (hereinafter S. Seifullin KATU) is a 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 and the "National Agrarian Scientific and Educational Center" No. 2 dated 05.02.2018, certificate of state re-registration of a legal entity No. 27738-1901-AK dated 10.07.2007

S. Seifullin KATU is one of the largest multidisciplinary higher educational institutions in Kazakhstan. This university provides training of highly qualified specialists for various sectors of the economy of Kazakhstan, the implementation of scientific research and training on their basis of highly qualified personnel.

The teaching staff of the university unites 795 full-time teachers (excluding the teaching staff of the military department), including 81 doctors, 340 candidates of sciences, 63 doctors of PhD. Education is conducted at 8 faculties, 42 departments, 12673 students are trained, 18 areas of training for bachelor's degree, 16 areas of master's degree and 12 areas of doctoral PhD

Higher professional education is obtained by full-time and part-time forms of study, incl. on an abbreviated educational program and on the basis of higher education. Depending on the form of study, the term of study is from 2 to 5 years.

On the basis of higher education, university graduates receive a second higher professional education at an institute for advanced training and distance learning: the training period is from 2 to 4 years, depending on the form of training.

Over the past few years, our university has been actively improving its position in world rankings. In 2012, the university for the first time took part in the ranking of one of the most authoritative agency QS (Quacquarelli Symonds) according to the assessment of universities around the world and entered the ranking of 700 best universities, among 25,000 best universities in the world, in 2013 entered the top 800 world universities. According to the results of the world ranking Webometrics, the website of our university occupies 14281 positions.

In 2015, in the rating of the Independent Accreditation Agency and the rating of S. Seifullin KATU from 40 universities of Kazakhstan took the 5th place, among agricultural universities it takes 1st place. Prize places: 12-1 places, 8-2 places, 10-3 places. 19 scientists entered the TOP-50 of the best teachers.

In 2016, in the rating of the Independent Accreditation Agency and the rating of S. Seifullin KATU in the direction of "Agricultural Sciences" took 2nd place. Prize-winning places: 9-1 places, 21-2 places, 16-3 places.

In 2017, in the rating of the Independent Accreditation Agency and the rating of S. Seifullin KATU in the following directions: agricultural sciences - 2nd place, veterinary medicine - 2nd place, art - 5th place, technical - 7th place, economics - 6th place.

Prize-winning places: 24 - 1 places, 18 - 2 places, 7 - 3 places.

General rating of teaching staff of universities of the Republic of Kazakhstan - Yeskhozhin D.Z - 11th place.

In 2018, in the National ranking of the demand for universities of the Republic of Kazakhstan - 2018, S. Seifullin KATU top 20 universities in Kazakhstan took 4th place.

Directions: agricultural sciences - 2nd place, veterinary medicine - 2nd place, art - 8th place, technical - 8th place, economics - 6th place, services - 7th place.

Prize-winning places: 17-1 places, 19-2 places, 15-3 places. Total prize places - 51.

In 2019, in the National ranking of demand for universities of the Republic of Kazakhstan - 2019 S. Seifullin KATU took 3rd place among top 20 universities in Kazakhstan.

Directions: Agricultural sciences - 2nd place, veterinary medicine - 2nd place, art - 9th place, technical - 5th place, economics - 6th place, services - 6th place.

Prize-winning places: 19-1 places, 32-2 places, 12-3 places. Total prize places - 63



47 employees and students of the university took part in the program "Bolashak" for 2015-2017, since 2006 teachers of our university participate in the competition "The best teacher. During the reporting period, 4 teachers received the "Best Teacher" grant.

In the period from the 2014-19 academic year, S. Seifullin KATU signed 154 agreements on cooperation and memorandums of understanding, of which 38 agreements for the 2017-2018 academic year and 28 for the 2018-2019 academic year. Foreign partners of KATU im. S. Seifullin are universities, organizations and research centers of the following countries: USA, France, Canada, Germany, Italy, Switzerland, Finland, Austria, Czech Republic, Hungary, Poland, Romania, Latvia, Turkey, Serbia, China, Korea, Republic of Belarus, RF, Mongolia and others.

#### **(IV) DESCRIPTION OF THE VEC VISIT**

The work of the EEC was carried out on the basis of the on-line visit program of the expert commission for primary specialized accreditation of the S. Seifullin Kazakh Agro Technical University in the period from 06 to 08 October 2020.

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

In accordance with the requirements of the standards, the program of the visit covered meetings with the Chairman of the Board, Deputy Chairmen of the Board, heads of structural divisions, deans, heads of departments of the university, teachers and students, as well as employees from various departments, interviews and questioning of 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
Deputy Chairmen of the Board	5
Heads of structural divisions,	15
Deans of faculties	5
Heads of departments	8
Teachers	53
Students, undergraduates, doctoral students	38
Total	125

During the on-line excursion, the EEC members got acquainted with the state of the material and technical base of the S.Seifullin KATU.

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

In order to confirm the information provided 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 S. Seifullin KATU team ensured the presence of all the persons indicated in the visit program, observing the established time interval.

Within the framework of the planned program, recommendations for improving the activities of S. Seifullin KATU, developed by the EEC based on the results of the examination, were presented at a meeting with the management on 08.10.

## **(V) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS**

### *6.1. Standard "Management of the educational program"*

#### **Proof part**

Training of specialists for two levels of bachelor's degree - 6B08302 Landscape design and gardening and master's degree - 7M08302 management of biological resources is carried out according to the Classifier of specialties of higher and postgraduate education of the Republic of Kazakhstan. The department is a structural subdivision of the agronomic faculty of S. Seifullin KATU. The general goal of the programs under consideration is the preparation of bachelors and masters with knowledge in understanding the strategy of agricultural education, modern directions for the development of natural sciences, possessing the necessary competencies and capable of implementing them in professional activities. At the same time, it is important to form a multicultural personality with developed thinking and worldview and awareness of the social significance of the acquired profession.

The organization of the educational process is based on the provisions of the requirements of the Bologna Convention.

Achievement of this goal meets the demands of the labor market, as evidenced by the high percentage of employment of graduates and feedback from employers, which are noted by graduates of the educational program:

- the presence of formed basic competencies: possession of knowledge in the field of agriculture and forestry, teaching methods, skills of professional and interpersonal communication;
- the manifestation of personal and professional competencies, such as organizational, production and research work in assessing the ecological state of natural and artificial reservoirs, in conducting ichthyological or hydrobiological studies, in monitoring aquatic biological resources.

To improve the quality of educational activities, the departments strive

- annually update the methodological support of the educational process and assessment of the level of knowledge, taking into account the trends in the education of the Republic of Kazakhstan;
- introduce modern educational technologies;
- to introduce distance education;
- to develop the material and technical base (equipment of offices).

The educational and methodological documentation of the EP was developed in accordance with the state educational standard, standard programs, working curricula in the Kazakh and Russian languages. At the departments, attention is paid to the organization, assessment and control of the CDS.

In the educational process, electronic textbooks, educational literature and UML on electronic and magnetic media (CD-ROM, audiocassettes, videotapes) are used, cases and other modern teaching technologies have been developed for the disciplines of the bachelor's degree - 6B08302 Landscape design and gardening and master's programs - 7M08302 bioresources management. The department uses the general laboratory and technical base of the university: computer classes, lecture halls with interactive and multimedia equipment, a library.

Students and undergraduates have the opportunity to participate in educational activities.



They have access to the Committee on Youth Affairs, a debate club, sports sections.

Forecasts of the region's need for specialists with higher education in the field of forestry for the next 5 years and the consistently high employment of graduates (80%) indicate the importance of the functioning of the departments of the Forestry Committee in the Central and Northern regions of the republic are an indicator that this area of activity should be further develop and strengthen.

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

The Commission notes that:

-for the accredited specialties of the cluster, a certain work has been done to strengthen the documentation of all the main educational processes and practice that regulate the implementation of the EP:

- the analysis of information on the implementation of the EP is carried out by considering these issues at the meetings of the department, Academic Councils of the faculty and the University:

-developed MEPs.

At the same time, the group of experts notes that the functioning planning system for the development of educational programs requires improvement.

The experts noted the need to further improve the plans for the development of educational programs, to ensure a broader discussion of curricula with all subjects of the educational process

#### **Strengths / Best Practice**

NAO S. Seifullin KATU has a published quality assurance policy. Those responsible for the educational processes of the EP implementation are clearly defined. The Academic Councils for EP functions. They actively participate in various ratings of the EP.

#### **EEC recommendations**

- to improve the work on analyzing the success of the implementation of educational programs with subsequent corrective actions;

- further development of cooperation with domestic and foreign universities that implement similar educational programs.

EEC conclusions by criteria: strong –5; satisfactory –6, requiring improvement –4.

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

#### **Proof part**

EEC confirms that to automate the process of collecting, analyzing and managing information at S. Seifullin KATU, systems for collecting, analyzing and managing information based on the use of modern ICT and PS have been introduced and operate: information management within the official website of the university, management of academic information within AIS "Platonus", an integrated library information system, programs "1-C Enterprise" and "1-C Personnel accounting". The library is the main information resource potential of the university. In modern conditions, the information capabilities of the library are significantly expanded due to participation in various associations of libraries. Thus, the library of S. Seifullin KATU is a member of the International Federation of Library Associations and Institutions IFLA, the Association of Libraries of RK universities.

To analyze information, quality engineering methods are used, which include methods of descriptive statistics: graphs, histograms, diagrams. As one of the methods of analysis, the university uses rating analysis, the purpose of which is to stimulate the growth of qualifications, professionalism, productivity of pedagogical and scientific work, and the development of the creative initiative of teachers. For example, every year the university conducts a rating assessment of teaching staff, departments, faculties.

The Commission notes that the analysis of information is carried out by methods of comparison of indicators, the assessment criteria for which are set out in the provisions on

internal and departmental regulatory documents. The results of the analysis are reflected in certificates, reports of structural divisions of the university and are provided to responsible persons for making decisions on improving the process. To assess the effectiveness of the development of the university, EP, QMS mechanisms, internal and external audits are used, within which discrepancies are identified, for the elimination of which corrective actions are developed with deadlines and performers.

The teaching staff, students, employers are involved in the processes of collecting and analyzing information through questioning, interviewing and making decisions based on them. The practice of personal meetings of the rector with participants in the educational process is widely used: students, undergraduates, doctoral students, teaching staff.

Through the information and educational portal "Platonus" communication with students is carried out through the publication of the necessary information and announcements, which are duplicated on the site <http://platonus.kazatu.kz> in the section "Student".

Conflict situations are resolved through the participation of the university trade union committee. In order to prevent conflict situations in the university, documents P 11 / 1.11-2017 "Rules of academic honesty for teachers, employees and students on the website <http://platonus.kazatu.kz>", RI 15 / 1.04-2016 "Working with complaints".

A selective analysis of the personal files of the teaching staff, employees and students, carried out by members of the EEC, confirmed the existence of a written consent to the collection and processing of personal data, which are stored in the department of organizational and personnel work and in the dean's offices, respectively (PD 04.01-2014 "Regulation on the storage of personal data of university employees") ...

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

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

Analysis of the submitted documents confirmed that the functioning of information systems for collecting, analyzing and managing information is regulated by the regulatory documents of the university: Regulations on the educational and methodological department; order on the creation of a resource group No. 109 dated November 27, 2015; order to conduct a questionnaire survey among students on the basis of AIS "Platonus" No. 28 dated 04/14/2018

For the management of educational, educational, financial, etc. the processes form the main information flows. Databases collected as part of the university's activities allow it to generate a variety of analytical reports based on the analysis and processing of the information received.

The use of rating analysis contributes to the implementation of an effective personnel policy, the identification of individual abilities and professional skills, an increase in responsibility for the assigned work at all levels, the legal and social protection of teaching staff, heads of departments and deans. Its results are used by the leadership of the university when making decisions on the extension of contracts, personnel appointments, when determining the amount of salary increments for teaching staff, heads of departments, deans and their deputies.

The properties and characteristics of the collected and processed information are determined in accordance with the mission of the university and is aimed at finding the most effective and efficient methods and ways to improve the quality of educational and related services, as well as to improve the level of social conditions of workers and students.

Thus, S. Seifullin KATU is collecting and analyzing information to improve the internal quality assurance system, which is carried out through the monitoring system of the university's activities and the quality of education.

#### **Strengths / Best Practice**

- functioning of the system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software;

- the presence of a communication mechanism with students, employees and other stakeholders, including the availability of mechanisms for resolving conflicts;
- ensuring the protection of information, identifying persons responsible for the accuracy and timeliness of information analysis and data provision.

***Conclusions of the EEC on the criteria: strong - 7; satisfactory - 9.***

### ***6.3. Standard "Development and approval of educational programs"***

#### **Proof part**

Non-profit joint stock company "Kazakh Agro Technical University named after S. Seifullin" (hereinafter S. Seifullin KATU) is a 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 and the "National Agrarian Scientific and Educational Center" No. 2 dated 02/05/2018, certificate of state re-registration of a legal entity No. 27738-1901-AK dated 07/10/2007, and carries out educational activities in 26 educational bachelor's programs, 28 educational master's programs and 24 educational programs of PhD doctoral studies. The development and approval of educational programs is carried out in accordance with the provisions of regulatory legal acts in the field of higher and postgraduate education, as well as documentation developed by the university to ensure transparency and clarity in the implementation of development strategy directions (PD 11 / 1.18-2018 "Regulations on the design of modular educational programs "). 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 for the new bachelor's degree - 6B08302 Landscape design and gardening and master's degree - 7M08302 bioresource management.

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 SESE, SCs, a guidebook, a schedule of classes, the availability of educational materials, syllabuses, QED in the library, and issuing IEPs to students.

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 completion of the programs are clearly defined and correspond to the NQF level: for undergraduate - 6 level, for master - 7, for doctoral studies - 8. General and professional competences are described for these qualification levels using the European qualifications framework for higher education.

In accordance with PD 11 / 13.01-2016 "Regulations on the formation of a catalog of elective disciplines" in addition to the standard curriculum, the university is developing a catalog of disciplines, which is a systematized 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 student's portal (<http://platonus.kazatu.kz>).

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. Since the practice is an integral part of the main educational program, its organization and passing is carried out in accordance with PD 11 / 1-3.03-2016 "Regulations on professional practice".

Experts note that on the basis of PD 11 / 13.04-2017 "Regulations on the policy of academic recognition at S. Seifullin KATU" in accordance with the Dublin descriptors, the university has adopted a system for converting Kazakh loans into ECTS credits, the labor intensity of disciplines, modules is recorded, and also the workload of 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 modular educational programs, educational and methodological support for their 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 programs 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 graduate model for all educational programs that describe 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 "Employer opinion on the quality of training of a graduate of S. Seifullin KATU". 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 / 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 (bachelor's, master's, doctoral studies);
- the presence of joint EP with foreign educational organizations.

#### **EEC recommendations**

- To improve on an ongoing basis the graduate model for all educational programs.
- 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 - 6; suggests improvement - 2.*

#### *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 S. Seifullin KATU has created a system that carries out the processes of monitoring, analyzing and improving 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 "Development Strategy of S. Seifullin KATU for 2016-2019" and RK 01 "Quality Manual", which provide an objective analysis and assessment of the quality of the educational programs offered by the university through external and internal audit.

To assess the effectiveness of the EP implementation, such criteria are used 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; 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 students (meetings, polls, answering questions, receiving letters, etc., STU 03-2017 "Internal audits", STU 06-2017 "Analysis by management").

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 attestation and accreditation of the university, undergoing internships, writing theses, master's theses.

Assessment of educational achievements and the level of training of students at the university is carried out in accordance with the internal rules and procedures (P 11 / 1.19-2018 "Academic rules for organizing the educational process at S. Seifullin KATU", PD 11 / 13.05-2017 Regulations "Order of organization and technology of intermediate certification of students"). The registration of the entire history of the student's educational achievements, the organization of all types of knowledge control and the calculation of his academic rating is carried out by a special unit - the office of the registrar.

The normative documents governing the assessment procedures for students guarantee the objectivity and transparency of the assessment process, and the availability of information on the educational portal for students. The results of intermediate and final attestations are discussed at meetings of departments, councils of faculties, meetings of structural divisions, the administration and the Academic Council.

##### **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 S. Seifullin KATU there is a continuous mechanism for monitoring and periodic assessment of the quality of EP, which is dealt with by the university services: departments, dean's offices, the Department for educational and methodological work, the 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 the work on conducting constant monitoring of educational programs for compliance with the regulatory requirements of the Ministry of Education and Science of the Republic of Kazakhstan.

Strengths / Best Practice

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

EEC recommendations

Conduct constant monitoring of educational programs 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 - 4; satisfactory - 5.

#### *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 regulatory documents that determine the educational policy are the Charter, the Strategic Development Plan of S. Seifullin KATU for 2016-2019, P 11 / 1.19-2018 "Academic rules for organizing the educational process at S. Seifullin KATU", PD11 / 1.18-2018 Regulations on the design of modular educational programs, PD 11 / 1.10-2017 Regulations on planning, control and reporting in the educational process, PD 11 / 13.05-2017 Regulations "The procedure for organizing and technology for intermediate certification of students", PD 18.01-2014 Regulations on multilingual education (<http://platonus.kazatu.kz>).

The academic policy of the university is aimed at meeting the needs of all categories of students. There are groups of students at the university: working youth; students-athletes, students who take an active part in the activities of public organizations; students with special educational needs; foreign students.

For students actively involved in sports and other activists who are often on business trips, there is a procedure for individual accumulation of points in the disciplines studied.



The university operates a system to support teaching and learning, implemented through 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. To date, the number of branches of departments in production is more than 20 units. In order to strengthen the practice-oriented orientation at the branches of the departments, practical classes are held.

Methodological bureaus have been created and operate at all faculties of the university, which coordinate the work of the teaching staff of the faculty on the methodological aspects of organizing the educational process through educational and methodological councils of departments. The work plans of the faculty methodological councils and department methodological sections are coordinated with the work plans of the Scientific and Methodological Council of the university and the work plan of the educational and methodological department of the university.

The structure of the university has a department "Development and implementation of software products", which provides effective assistance to teachers in the development of electronic products. Teachers actively use not only electronic textbooks, but also teaching aids, monographs, including their own, published by the publishing house of the university "S. Seifullin KATU". For all disciplines, educational and methodological complexes have been formed in the state and Russian languages. All materials are available on the student portal <http://platonus.kazatu.kz>. Academic disciplines are equipped with educational and didactic materials with a modern level of content and performance - flipcharts, posters, slides, electronic lectures, presentations. On a systematic basis, the innovative content of academic disciplines is being developed (PD 11 / 1-6.01-2014 Regulation "The introduction of innovative technologies in the educational process of the university").

Assessment of students' satisfaction with the quality of educational services is carried out through the collection and analysis of objective sociological information. The EP's management has introduced regular collection and monitoring of data on routine monitoring of progress and includes a number of stages, which are disclosed in detail in the self-assessment report and explained by the EEC during interviews.

#### ***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 / Best Practice

- ensuring equal opportunities, respect and attention to different groups of students, their needs, providing them with flexible learning paths;
- 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.

#### 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.

EEC conclusions by criteria: strong - 3; satisfactory - 7.

### *6.6. Standard "Students"*

#### **Proof part**

The policy of forming the contingent of students in the Bachelor's Degree Program - 6B08302 Landscape Design and Gardening and Master's Degree - 7M08302 Bioresource management consists in admitting to the number of students and undergraduates those who are most prepared for studying at the university, consciously choosing the desired specialty and is regulated by the documented procedure "Academic rules for organizing the educational process S. Seifullin KATU "(the document is posted on the university website, on the portal and in the internal corporate network of the university), the main purpose of which is to establish requirements and describe the procedure for managing the process of forming a contingent of students studying in higher education programs.

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. As of 02/01/2018, the number of contracts was 234, while small, ineffective organizations were eliminated.

EEC notes that the university has organized systematic activities for the employment of graduates in conjunction with the regional Department for the coordination of employment and social programs, monitoring of the employment of graduates and the development of their careers. The university provides graduates with documents confirming the qualifications received, including the learning outcomes achieved, as well as the context, content and status of the education received and evidence of its completion.

To provide conditions for the learning of students with special needs \_EP undergraduate - 6B08302Landscape design and gardening and graduate - 7M08302bio resources management \_ a number of conditions are created, including using the capabilities of special computer equipment and software. However, improvement of the equipment of common areas is required.

EEC notes that the university provides an opportunity for students to exchange and express opinions through the Internet forum, student organizations. One of the most effective forms of interaction with young people is 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.

Good conditions for doing sports have been created for students. In order to identify gifted

youth, the university conducts active campaigning work for students at the beginning of each academic year.

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 the S. Seifullin KATU has a transparent policy of forming a contingent of students, approved procedures that regulate the life cycle of students. The analysis of the student body over the past five years indicates its positive dynamics.

Extracurricular activities and educational activities of the university are aimed at the formation of a socially adapted personality with an active civic position, a sense of patriotism and tolerance, with a deep national consciousness, possessing the qualities and properties of a future competitive specialist. Extracurricular and educational work is a complex system that includes sports, student self-government, amateur performances, student science. This system includes various structural divisions that provide a comprehensive coverage of student life, including life in dormitories.

#### **Strengths / 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**

In accordance with the Lisbon Recognition Convention, continue to work on the recognition of qualifications related to higher education in the European Region.

EEC conclusions by criteria: strong - 2; satisfactory - 12.

#### *6.7. Standard "Teaching staff"*

#### **Proof part**

Analysis of the documents showed that 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 for undergraduate students includes teachers, both with advanced degrees and forestry specialists. The faculty of the EP "Bioresource Management", "Landscape Design and Gardening" meets the qualification requirements for licensing educational activities and has full knowledge, owns modern teaching methods, which allows you to organize an effective educational process. Consequently, the teaching staff fully ensures the quality of the educational program. Recruitment and distribution of responsibilities is carried out in accordance with the qualification requirements put forward to the teaching staff by the legislative acts of the Republic of Kazakhstan.

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 PD 11 / 1.02-2018 "Regulations on competitive replacement of positions of the teaching staff"; P 4.01-2016 Internal labor regulations of S. Seifullin KATU dated 19.01.2019 g., STU 08-2016 "Human Resources Management", 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 for teaching staff and placed in a folder for information exchange between structural units of AIS "Platonus". All university employees, when hired in accordance with PD 14.01-2016 "Regulations on occupational safety and health at the university" (02.02.2016), undergo preliminary training, instruction and testing of knowledge on occupational safety and health.

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 PD 11 / 1.21-2018 "Regulations on the comprehensive assessment of the teacher's professional activity." 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 questionnaire "Teacher through the eyes of students." Based on the results of a comprehensive assessment, a PPP rating map is drawn up.

Relevant in the educational and methodological activities of the teaching staff of the university is the development of interactive teaching methods using multimedia equipment.

At the department, conditions have been created to support young teachers, young scientists, curators, there is an opportunity to improve their professional level by working with scientific and educational literature in the university libraries, free access to the leading electronic libraries. The university carries out work to support the professional development of young teachers by sending them to doctoral studies at the leading universities of the Republic of Kazakhstan.

The management of the EP effectively uses measures of moral and material incentives for teaching staff and employees for their professionalism and dedication.

The work of the teaching staff of S. Seifullin KATU in the direction of promoting the social and cultural development of the local and national community is of an everyday nature. One of its forms is the examination of the socio-economic, political and cultural development of the city of Nur-Sultan. The teaching staff of the university is actively involved as experts by ministries, departments, akimats, enterprises, akimat of Nur-Sultan, actively participating in the work of numerous national, city and district commissions. University teachers and students take an active part in the development and implementation of projects for the environmental and technological development of society. The effectiveness of the social activities of teachers is evidenced by letters of thanks, diplomas, prizes confirming the deserved reputation of the university.

#### ***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. All teachers serving EP in major subjects have scientific and pedagogical work experience of more than 15 years.

Analysis of the state of human resources over the years shows the stability of the qualitative composition of the teaching staff (percentage of graduated teachers) at the Faculty of Agronomy - 51.3%.

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 / 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;

- the involvement of teaching staff in the life of society.

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 - 3; satisfactory - 6.

### *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.

The university also carries out extensive work among students to promote a healthy lifestyle. Specialty EP bachelor's degree - 6B08302 Landscape design and gardening and master's degree - 7M08302 biological resources management there are 3 classrooms, of which: No. 5106 with an area of 68.5 m<sup>2</sup>, No. 5006 with an area of 63.4 m<sup>2</sup>, "Sary-Arka" - forest plantations, forest inventory, forest commodity science, forest management and aerospace methods in forestry. The area of auditoriums and lecture halls in the Sary-Arka Research and Production Complex is 433.3 sq. M. The key element of the university infrastructure is the University Library and Information Center. To inform users, the website of the library is actively developing <http://platonus.kazatu.kz>. The reliability of graduation theses, master's theses, research results presented by the teaching staff in monographs, scientific articles and reports is assessed by checking them for plagiarism using the Anti-plagiarism system. Research reports and monographs are subject to external verification through JSC "NCSSTE".

#### ***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 / Best Practice

- the availability of teaching materials for students (syllables, textbooks and teaching materials);

- examination of the results of research work, graduation works, theses for plagiarism.

EEC conclusions by criteria: strong - 2; satisfactory - 5, requires improvement - 1.

### *6.9. Public Information Standard*

#### ***Proof part***

The experts studied the materials presented in the self-report, the university website and publications presented on it, publications of accounts in social networks and media. The university, in addition to the university website, has the following sources and services for the publication and coverage of information: a portal for employees and students

(<http://platonus.kazatu.kz>, portal.<http://platonus.kazatu.kz>); Student Service Center (<http://platonus.kazatu.kz>); 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/> in other ways, informs the public: about the social role of the university, about the achievements and development plans of the university, about the main educational programs being implemented, about innovative achievements, on the activities of student support services, on participation in the implementation of international programs and projects, on the results of activities, on the achievements of alumni, as well as on foreign and international scientific societies and associations.

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

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

EEC confirms the timely placement of information about the activities of the university, cooperation and interaction with partners of the university, but at the same time notes the presence of incomplete information about the teaching staff; and the lack of financial statements on the web resource.

#### **Strengths / Best Practice**

- the active position of the university in explaining the national development programs of the country and the system of higher and postgraduate education;
- active advertising and image work in the media.

#### **EEC recommendations**

Regularly publish audited financial statements on its own website.

Expand personal information about teaching staff on the university website.

EEC conclusions by criteria: strong - 3; satisfactory - 6, suggests improvements - 1.

#### ***6.10. Standard "Standards in the context of individual specialties"***

#### ***Proof part***

The University annually takes part in various rankings, the results of which are published in open sources. Confirmation of the competitiveness of the university in the world educational arena is participation in the ratings - in 2012, the university took part in the rating of one of the most authoritative agency QS (Quacquarelli Symonds) for the first time according to the assessment of universities around the world and entered the rating of the 700 best universities, among the 25,000 best universities in the world, in 2013 entered the top 800 world universities. According to the results of the world ranking Webometrics, the website of our university occupies 14281 positions.

In 2015, in the rating of the Independent Accreditation Agency and the rating of S. Seifullin KATU from 40 universities of Kazakhstan took the 5th place, among agricultural universities it



takes 1st place. Prize places: 12-1 places, 8-2 places, 10-3 places. 19 scientists entered the TOP-50 of the best teachers.

In 2016, in the rating of the Independent Accreditation Agency and the rating of S. Seifullin KATU in the direction of "Agricultural Sciences" took 2nd place. Prize-winning places: 9-1 places, 21-2 places, 16-3 places.

In 2017, in the rating of the Independent Accreditation Agency and the rating of S. Seifullin KATU in the following directions: agricultural sciences - 2nd place, veterinary medicine - 2nd place, art - 5th place, technical - 7th place, economics - 6th place.

In 2018, he took part in the ranking of universities of the Republic of Kazakhstan, according to 41 educational programs conducted by NCE "Atameken" ([www.atameken.kz](http://www.atameken.kz)).

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

EEC confirms the timely placement of information about the activities of the university, cooperation and interaction with partners of the university, but at the same time notes the presence of incomplete information about the teaching staff; and the lack of financial statements on the web resource.

#### **Strengths / Best Practice**

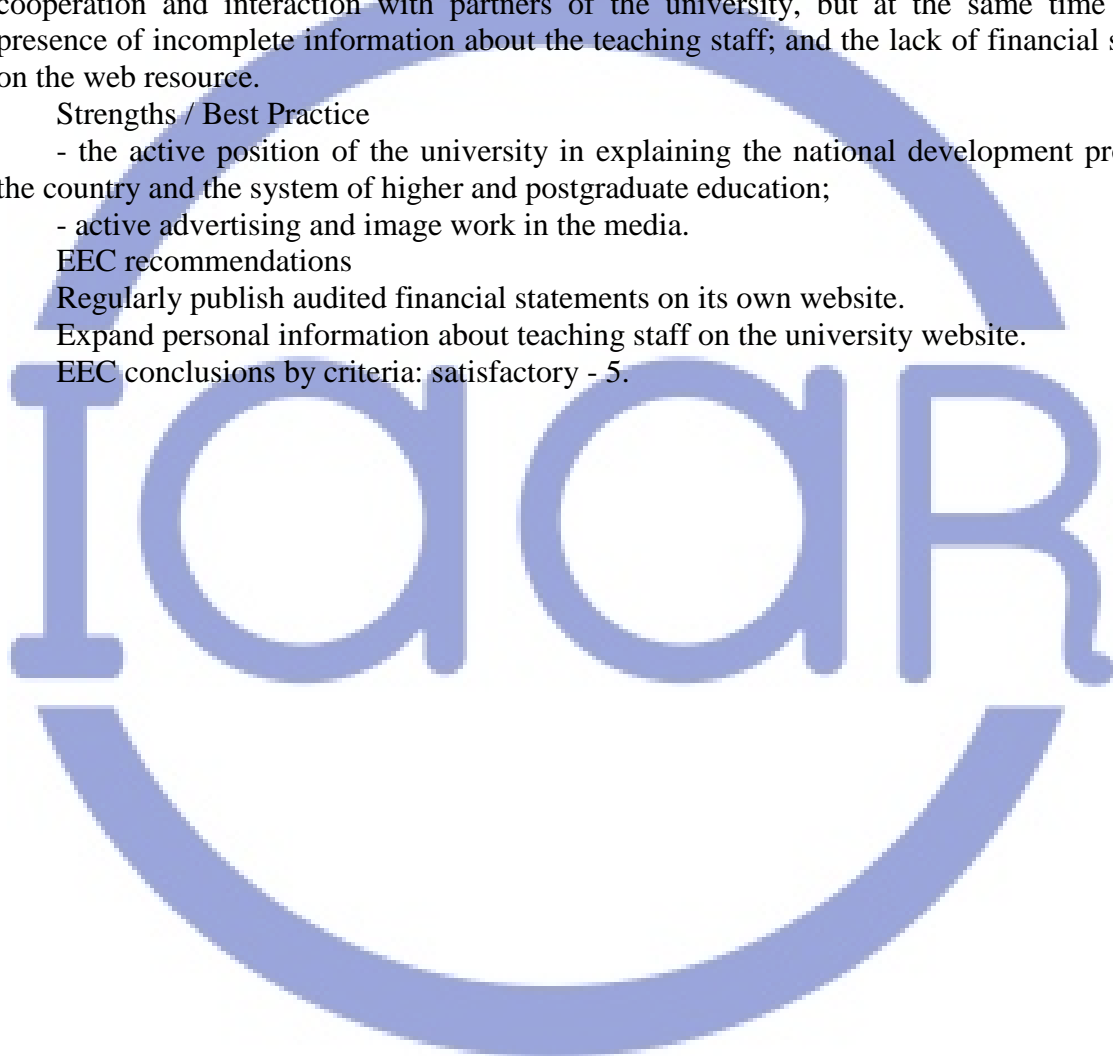
- the active position of the university in explaining the national development programs of the country and the system of higher and postgraduate education;
- active advertising and image work in the media.

#### **EEC recommendations**

Regularly publish audited financial statements on its own website.

Expand personal information about teaching staff on the university website.

EEC conclusions by criteria: satisfactory - 5.



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

### **Educational program management standard:**

NAO S. Seifullin KATU has a published quality assurance policy. Those responsible for the educational processes of the EP implementation are clearly defined. The Academic Councils for EP functions. They actively participate in various ratings of the EP.

### **Information Management and Reporting Standard:**

- functioning of the system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software;
- the presence of a communication mechanism with students, employees and other stakeholders, including the availability of mechanisms for resolving conflicts;
- ensuring the protection of information, identifying persons responsible for the accuracy and timeliness of information analysis and data provision.

### **Standard "Development and approval of educational programs":**

- 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 (bachelor's, master's, doctoral studies);
- the presence of joint EP with foreign educational organizations.

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

- annual audit of educational programs;
- the effectiveness of assessment procedures for students.
- the presence of joint EP with foreign educational organizations.

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

- ensuring equal opportunities, respect and attention to different groups of students, their needs, providing them with flexible learning paths;
- 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.

### **Standard "Students":**

- 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.

### **Standard "Teaching staff":**

- 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;
- the involvement of teaching staff in the life of society.

**Standard "Educational resources and student support systems":**

- the availability of teaching materials for students (syllables, textbooks and teaching materials);
- examination of the results of research work, graduation works, theses for plagiarism.

**Public Information Standard:**

- availability of a formalized financial management policy, including financial reporting;
- sources of funding for the university is the provision of paid educational services; financing of the state educational order; self-supporting work in the field of education and research, etc .;
- conducting an external independent audit.

**Standard "Educational resources and student support systems":**

- the availability of teaching materials for students (syllables, textbooks and teaching materials);
- examination of research results, graduation works, dissertations for plagiarism;

**Public Information Standard:**

- the active position of the university in explaining the national development programs of the country and the system of higher and postgraduate education;
- active advertising and image work in the media.

**Standard "Standards in the context of individual specialties"**

Absent



## (VII) OVERVIEW OF RECOMMENDATIONS FOR IMPROVEMENT OF QUALITY

### **Educational program management standard:**

- to improve the work on analyzing the success of the implementation of educational programs with subsequent corrective actions;
- further development of cooperation with domestic and foreign universities that implement similar educational programs.

### **Information Management and Reporting Standard:**

None.

### **Standard "Development and approval of educational programs":**

- To improve on an ongoing basis the graduate model for all educational programs.
- 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.

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

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

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

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.

### **Standard "Students":**

In accordance with the Lisbon Recognition Convention, continue to work on the recognition of qualifications related to higher education in the European Region.

### **Standard "Teaching staff":**

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.

### **Standard "Educational resources and student support systems":**

None.

### **Public Information Standard:**

Regularly publish audited financial statements on its own website.

Expand personal information about teaching staff on the university website.

### **Standard "Standards in the context of individual specialties"**

None.

**RECOMMENDATION TO THE ACCREDITATION BOARD**  
**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"**

№ п\п	№ п\п	Evaluation criteria	Position of the educational organization			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
<b>Educational program management standard</b>						
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 of 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 management 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's management 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 management 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 management 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 should 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 management must provide evidence of the transparency of the educational program management system.		+		
10	10.	The EP management 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 management 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 management must ensure the participation of representatives of employers, teaching staff, students and other interested parties in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.	+			
13	13.	The TOE must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.		+		
14	14.	EP management must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other stakeholders.		+		
15	15.	The EP's management should be trained in educational management programs.		+		
Total by standard			5	6	4	
Information Management and Reporting Standard						
16	1.	the EO must demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software and that it uses a variety of methods to collect and analyze information in the context of the EP.	+			
17	2.	EP management 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's management must demonstrate fact-based decision making.		+		
19	4.	Within the EP, a system of regular reporting should be provided that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, 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, and 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 analysis of information and the provision of data.		+		
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 management 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.		+		
26	11.	Information intended for collection and analysis within the EP should take into account:		+		
27	12.	key performance indicators;		+		
28	13.	student performance level	+			
29	14.	dynamics of the contingent of students in the context of forms and types;	+			
30	15.	academic performance, student achievement and expulsion;	+			
31	16.	satisfaction of students with the implementation of EP and the quality of education at the university;	+			
Total by standard			7	9	-	
Standard "Development and approval of basic educational programs"						
32	1.	The EO should define and document procedures for the development of the EP and their approval at the institutional level.			+	
33	2.	The EP's management must ensure that the developed EP meets the established goals, including the expected learning outcomes.		+		
34	3.	The EP's management 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 the conduct of		+		

		external examinations of the EP content and the planned results of its implementation.				
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 management must determine the influence 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 management must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality.		+		
40	9.	The complexity of the EP should be clearly defined in Kazakhstani loans and ECTS.	+			
41	10.	The EP's management must ensure that the content of academic disciplines and 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 types of activities to ensure that students achieve the planned learning outcomes.		+		
43	12.	An important factor is the correspondence between the content of the EP and the learning outcomes of the EP, implemented by organizations of higher and (or) postgraduate education in the EHEA.		+		
Total by standard			<b>4</b>	<b>6</b>	<b>2</b>	
Standard "Continuous monitoring and						

periodic evaluation of basic educational programs"					
44	1.	The EO 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 objectives of the EP.	+		
51	8.	EO, EP management must 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 EP must be published.		+	
Total by standard			4	5	-

Standard "Student-centered learning, teaching and assessment of progress"						
53	1.	EP management must ensure respect and attention to various groups of students and their needs, provide them with flexible learning paths.	+			
54	2.	EP management 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 management must demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes.	+			
57	5.	The EP's management must demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.	+			
58	6.	EP management must demonstrate the existence of a procedure for responding to student complaints.		+		
59	7.	The EO must ensure consistency, transparency and objectivity of the learning outcome assessment mechanism for each EP, including appeal.		+		
60	8.	The EO 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 should be published in advance.		+		
61	9.	In the EO, mechanisms should be determined to ensure the		+		



		achievement of learning outcomes by each EP graduate 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 by standard			3	7	-	
Standard "Students"						
63	1.	The EO 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 management 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 government grants;		+		
67	5.	analysis of 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 management 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.	EO 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 management must demonstrate the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.		+		
73	11.	EO 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 management 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 EO 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 by standard			2	12	-	
Standard "Teaching staff"						
77	1.	EO 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 EO must demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the EO 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.	EP management must demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.		+		
81	5.	EO should determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the EO, and other strategic documents.		+		
82	6.	EO should provide opportunities for career growth and professional development of the teaching staff of the EP.		+		

83	7.	The EP's management must demonstrate a willingness to involve practitioners from relevant industries in teaching.		+		
84	8.	EO should 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 willingness to develop academic mobility within the EP, to attract the best foreign and domestic teachers.		+		
Total by standard			<b>3</b>	<b>6</b>	-	
Standard "Educational resources and student support systems"						
86	1.	The EO must ensure a sufficient number of training resources and student support services that meet the goals of the EP.		+		
87	2.	The EO 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 management must demonstrate the existence of support procedures for various groups of students, including information and counseling. The EP management 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 EO 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 by standard			2	5	1	
Public Information Standard						
		The EO 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 and (or) 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 management 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.	EO must demonstrate the reflection on the web resource of information that characterizes it in general and in the context of educational programs.			+	
102	9.	An important factor is the availability of adequate and objective information about the teaching staff of the EP.		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners within the EP.		+		
Total by standard			<b>3</b>	<b>6</b>	<b>1</b>	
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:				

104	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:		+		
105	2.	- excursions to enterprises for specialization (factories, workshops, research institutes, laboratories, training and experimental farms, etc.),		+		
106	3.	- conducting individual classes or entire disciplines at the enterprise of specialization;		+		
107	4.	- holding seminars to solve practical problems relevant for enterprises in the field of specialization, etc.		+		
108	5.	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.		+		
Total by standard			-	5	-	
<b>TOTAL</b>			<b>33</b>	<b>67</b>	<b>8</b>	