



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert evaluation committee
for compliance with the requirements of the standards of primary
specialized accreditation of the educational program
7M08103 "Vegetable growing of the protected ground"

from "06" to "08" October 2020

INDEPENDENT ACCREDITATION AND RATING AGENCY

External expert commission

*Addressed to
Accreditation
the IAAR Council*



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Nur-Sultan city

October 08, 2020

(I) LIST OF DEFINITIONS AND ABBREVIATIONS

EP	- educational program
GED	- general education disciplines
RO	- registrar's office
TEP	- typical educational programme
CSIT	- center of scientific and information technologies
RWS	- research work of a students
QMS	-Quality Management System
ATS	- academic teaching staff
EDMS	- electronic document management system
MM	- Mass media
NAS RK	- National Academy of Sciences of the Republic of Kazakhstan
TMCD	- teaching materials complex of the discipline
OH	- office hours
UNT	- Unified National Test
CT	- complex testing
LLP	-limited liability partnership
JCS	- joint-stock company
PUC	- public utility company
HE	-higher education
WI	-work instruction
SRW	-student research work
SSC	- student scientific circles
ISC	- intermediate state control
SAC	-State Attestation Commission
C	- Curriculum
RL	-research laboratory
RI	- research Institute
RC	- research Center
EMCS	- educational and methodical complex of specialties
SMCU	- scientific and methodological council of the university
SMBF	- scientific and methodological bureau of faculties
IEP	- individual education plan
EDC	- elective disciplines catalog
ISC	- 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 October 6 to October 8, 2020, an external expert commission assessed the compliance of NJSC "S. Seifullin KATU" 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 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 for further improvement of the parameters of the institutional profile.

The list of the highest expert commission:

Chairman of the State Examination Board – Bratsikhin Andrey Alexandrovich, Doctor of Technical Sciences, Head of the Department of Food Technologies and Engineering, Institute of Living Systems, North Caucasus Federal University;

International expert – Sergey Konstantinovich Filipov Dr. sc. ing., professor, Abo Akademi University, Finland;

International expert – Levykh Alena Yurievna Candidate of Biological Sciences, Associate Professor of P.P. Ershov Ishim State Pedagogical Institute

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» Shakarim Semipalatinsk State University

National Expert – Akhmetov Bakhytzhан 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, 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 of 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, Zhangir Khan West Kazakhstan Agrarian Technical University;

Employer – Zhanspaeva Leyla Maratovna, 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 Livestock and Plant Breeding;

Student - Mukash Nazgul 2nd year undergraduate 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 Gumilyov Eurasian National University;

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

(III) REPRESENTATION OF THE EDUCATION ORGANIZATION

S. Seifullin Kazakh Agro Technical University non-profit joint stock company (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 »Ministry of Agriculture of the RK. 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 805 full-time teachers (excluding the teaching staff of the military department), including 82 doctors of sciences, 353 candidates of sciences, 59 doctors of philosophy. Education is conducted at 8 faculties and 43 departments, where 13148 students study: 18 areas of training for bachelor's degree, 16 areas of master's degree and 12 areas of doctoral studies (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 duration 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 achievements in world rankings. In 2012, the university took part for the first time 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 thousand of the best universities in the world, in 2013 entered the top 800 world universities. According to the results of the world ranking of Webometrics, the site of our university occupies 14281 positions.

In 2015, in the rating of the Independent Accreditation Agency and the rating of S. SeifullinKATU from 40 universities of Kazakhstan took 5th place, among agricultural universities it took 1st place. Prize places: 12 first places, 8 second places, 10 third places. 19 scientists (teachers) entered the TOP-50 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 first places, 21 second places, 16 third places.

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

Prize places: 24 - first places, 18 - second places, 7 - third places.

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

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

In the areas they took: Agricultural sciences - 2nd place, veterinary medicine - 2nd place, art - 8th place, technical - 8th place, economics - 6th place, services - 7th place.

Prize places: 17 first places, 19 second places, 15 third places. Total prize places - 51.

In 2020, in the National ranking of the demand for universities of the Republic of Kazakhstan - 2020, S. Seifullin KATU took 2nd place.

In the areas they took: Agricultural sciences - 2nd place, veterinary medicine - 2nd place, art - 9th place, technical - 5th place, economics - 6th place, services - 6th place.

Prize-winning places: 19 first places, 32 second places, 12 third 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 of the university". During the reporting period, 4 teachers received the grant "The best teacher of the university".

In the period from 2014 to 2019 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 S. Seifullin KATU 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.

In addition, in the period from October 15 to 24, 2016, Professor Emeritus Paul Singh from the University of California at Davis (USA) visited KATU to conduct seminars and master classes for teachers, specialists and students of KATU, also within the framework of the SPIID. In addition, in the period from October 15 to 24, 2016, Professor Emeritus Paul Singh from the University of California at Davis (USA) visited KATU to conduct seminars and master classes for teachers, specialists and students of KATU also within the framework of the SPIID.

In 2018, for the first time, KATU received funding to attract foreign specialists to the top management of universities. So, Dr. Gi Riba was approved by the order of the Ministry of Education and Science of the Republic of Kazakhstan (No. 146 of 11.04.2018) for the post of vice-rector for strategic development and transformation for 10 months. Dr. Gi Riba served as vice president at the National Institute for Agricultural Research (INRA) of France and made an invaluable contribution to the reform and implementation of strategic agrarian science development programs in a number of countries, such as Japan, Canada, Chile, South Africa, Spain. In 2019, the candidacy of others. Guy Riba was re-approved in accordance with the order of the Ministry of Education and Science of the Republic of Kazakhstan (No. 19 of 17.01.2019) for the post of vice-rector for strategic development and transformation for 10 months with co-financing of 10% from KATU.

In order to deepen the integration into the world scientific and educational space, the development of advanced knowledge and technologies, KATU established cooperation this year and signed a memorandum of understanding with the Agreenium Consortium and Agro Paris Tech University, the world's leading research university and agricultural scientific organization. As part of the implementation of the memorandum, 11 professors from France visited KATU to familiarize themselves with the activities of the university, analyze existing curricula with the further development of joint educational programs in the areas of animal husbandry, crop production and plant protection and quarantine.

According to the results of the research work of the PPP University in 2018, the number of scientific articles published in the journals Web of Science and Scopus amounted to 151 articles, which is 15.2% more than in 2017

As of September 1, 2019, 56 articles have been published in journals with an impact factor in the Web of Science and Scopus databases.

The university is implementing 108 research projects and programs and contracts with business entities for a total amount of 1 246 397.32 thousand tenge, including:

- 1 scientific and technical program and 1 project within the framework of the NTP RSE "National Center for Biotechnology" under subprogram 101 "Program-targeted financing of subjects of scientific and / or scientific and technical activities" (MES RK) for a total amount of 145,500 thousand tenge;

- 25 projects under subprogram 102 "Grant financing of scientific research" of the Ministry of Education and Science of the Republic of Kazakhstan on the priorities "Sustainable

development of the agro-industrial complex and safety of agricultural products" (9 projects), "Science of life" (7 projects) "Rational use of natural resources" (3 projects), "Scientific foundations" Mangilik El (education of the XXI century, fundamental and applied research in the humanities) "(3 projects)," Energy and mechanical engineering "(3 projects) for 201 723.11 thousand tenge;

- 4 projects for program-targeted financing of the Ministry of Agriculture of the Republic of Kazakhstan in the amount of 520 421.5 thousand tenge thousand tenge:

- "Transfer and adaptation of technologies for precision farming in the production of crop products on the principle of" demonstration farms "(polygons) in the North Kazakhstan region" in the amount of 360 421.5 thousand tenge;

- "Transfer and adaptation of innovative technologies to optimize technological processes at dairy farms in Northern Kazakhstan" for 128,000.0 thousand tenge;

- "Scientific and technological support of processing enterprises of the agro-industrial complex in order to increase their efficiency and competitiveness" in the amount of 17,000, 0 thousand tenge;

- «Mycorrhizal macromycetes of the main forest-forming species of Central and North-Eastern Kazakhstan and their use for artificial mycorrhization of seedlings of forest treespecies»contract amount 15 000.0 thousand tenge;

- 4 international projects: 1 joint project with the Xinjiang Institute of Ecology and Geography of the Academy of Sciences of the PRC "Joint technical study on the creation of environmental protection in the developing cities of the" economic belt of the Silk Road "of the PRC and RK" and 2 joint projects with Shisen "Transfer of highly productive foreign varieties of potatoes for seed production of Northern and Central Kazakhstan "," Creation of promising potato lines based on the genetic resources of the PRC and the Republic of Kazakhstan ", 1 joint project with the Institute of Industrial Crops (IBFC) Chinese Academy of Agricultural Sciences for a total amount of 30 411.27 thousand tenge;

- 57 contracts with business entities for the performance of research and development in the amount of 235 865.7 thousand tenge.

1.2 History of S. Seifullin KATU

JSC "S. Seifullin Kazakh Agrotechnical University" was founded in 1957, when the Akmola Agricultural Institute was organized in the center of the vast virgin region of Akmolinsk by Decree of the Council of Ministers of the USSR No. 1176 dated October 3, 1957

The decision to open the university was associated with the widespread development of virgin and fallow lands in Kazakhstan, the opening of hundreds of new state farms and, as a result, the emerging need for highly qualified specialists. The training of specialists was carried out at three faculties: agronomic, land management and agricultural mechanization. The first admission was organized in 1958 and consisted of 250 students.

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

In 1996, by Government Decree No. 573 of May 7, 1996, the Akmola Agricultural Institute was reorganized into the Akmola Agrarian University, and it was named after a prominent public and state figure and an outstanding personality of the Kazakh people - Saken Seifullin.

On the basis of the Decree of the Government of the Republic of Kazakhstan No. 821 dated 15.07.2001, the Republican State Enterprise "Akmola Agrarian University named after S. Seifullin" was renamed into CJSC "S. SeifullinKazakh Agrarian University"

On May 20, 2003, JSC "S. Seifullin Kazakh Agrarian University" changed the type of company and acquired the abbreviation JSC "S. Seifullin Kazakh Agrarian University".

In 2004, on the basis of the Decree of the Government of the Republic of Kazakhstan (No. 829 dated 03.08.2004) NJSC "S. SeifullinKazakh Agrarian University" was liquidated and on its basis the RSE was created on the basis of the right of economic management " S. Seifullin Kazakh State Agrotechnical University".

By the Resolution of the Government of the Republic of Kazakhstan "Selected Issues of the Ministry of Education and Science of the Republic of Kazakhstan" (No. 300 dated April 4, 2005) RSE on the right of economic management " S. Seifullin Kazakh State Agrotechnical University " was transferred to the Ministry of Agriculture of the Republic of Kazakhstan.

In 2007, on the basis of the Decree of the Government of the Republic of Kazakhstan (No. 409 of 05/22/2007), the university was transformed into JSC " S. Seifullin Kazakh Agrotechnical University"

In May 2013, speaking at a meeting of the Council of Foreign Investors, the President of the Republic of Kazakhstan N.A. Nazarbayev proposed to organize on the basis of S. Seifullin KATU a world-class research university in the field of agriculture following the example of Nazarbayev University. Distinctive features of the new status will be:

1. An autonomous management model following the example of the leading agricultural research universities in the world, combining research, training and the implementation of scientific results in real production and focused on integration into the global scientific and educational space;

2. Own academic programs, based on the adaptation of the best programs in the world, with a focus on developing practical skills in the application of advanced achievements in the industry;

3. Breakthrough scientific research, combining the advanced achievements of fundamental and applied science, integrated into the educational process and based on partnerships with world technology leaders;

4. A developed toolkit for the implementation of innovations based on constant "feedback" with the subjects of the agro-industrial complex, including both the mechanisms of technology commercialization and the dissemination of knowledge

By 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 agrarian university, S. Seifullin KATU will be positioned as (1) the main supplier of competitive innovations for the agro-industrial complex in North and Central Kazakhstan, (2) the most desirable place of work for teachers and the most desirable place for training for students, (3) undergraduates and doctoral students in the relevant specialties.

The main subjects of the university are:

- training of personnel with higher and postgraduate professional education, advanced training and retraining of personnel in the field of the agro-industrial complex and other sectors of the economy;

- carrying out research and development work in the field of the 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 compulsory education standard of qualified specialists for various sectors of the economy and social spheres;

- 2) training of scientific and pedagogical personnel in magistracy, doctoral studies;

- 3) organization and conduct of fundamental, applied scientific research and experimental design work, as well as methodological research in all fields of science;

- 4) advanced training and retraining of specialists in various fields;

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

- 6) production and sale of printed products, educational and methodological aids, new technologies and scientific developments;

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

8) concluding direct agreements and contracts with foreign organizations in all areas of core activity, creating temporary teams of scientists and specialists, participating 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, through the implementation of its mission and strategy, aims to become an international research university in the field of the agro-industrial complex and related industries. 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.

1.3 History of departments

Department of Agriculture and Plant Growing

The beginning of the history of the department is closely connected with the development of virgin and fallow lands in Northern Kazakhstan, when in the center of the vast virgin region of Akmola by the Decree of the Council of Ministers of the USSR No. 1176 of 03.10.1957. Akmola Agricultural Institute was organized. At the institute on March 29, 1960, the department of agriculture was organized, and then on September 1, 1961, the department of plant growing.

Teachers of the department Baitelenova A.A., Amantayev B.O. and Rysbekova A.B. are fellows of the President of the Republic of Kazakhstan under the Bolashak program. Professor of the department Serekpaev N.A. was the owner of the state grant "The best teacher of the university" in 2012, the senior teacher of the department - Baitelenova A.A. - 2017, and Stybaev G.Zh. -2018

The Department of Agriculture and Plant Growing carries out training of scientific personnel in conjunction with foreign universities. Senior lecturer of the department Nogaev A.A. in 2014 defended his thesis (Mongolian State Agrarian University) and received a PhD in Agronomy, in 2015 nostrification was successfully passed in the Republic of Kazakhstan (order No. 974, July 7, 2015)

Since 2019, the preparation of students has begun on educational programs for bachelor's degree - "Agronomy", "Breeding and Seed Production", Master's programs - "Selection of field crops", "Agrotechnology", "Vegetable growing in protected ground", doctoral studies - "Genetics and selection of agricultural crops," Organic farming ".

The teachers of the department published a number of textbooks and teaching aids that are used by all universities in the region.

Since 2015, the team of the department has carried out 14 grant-funded research topics of a fundamental and applied nature, including 9 projects under the budget program 055 of the Ministry of Education and Science of the Republic of Kazakhstan "Scientific and / or scientific and technical activities", under the program 212 of the Ministry of Agriculture of the Republic of Kazakhstan "Scientific research in agro-industrial complex" 4 projects and 2 contractual projects, as well as 2 projects on initiative themes.

Funding volume for 2020 the department is 165.164 thousand tenge.

To implement the university's strategy for integration into the global educational space, the department has close cooperation with the world's leading agricultural universities, such as the University of California at Davis (USA), Plovdiv Agrarian University (Bulgaria), Xinjiang University (China), I. Timiryazev Moscow Agricultural Academy (Moscow, Russia), etc.

Within the framework of academic mobility, foreign scientists (Australia, the USA, the Republic of Bulgaria, the Republic of Turkey, the Russian Federation, Germany) conducted classes with a student in the specialty "Agronomy".

A close scientific and pedagogical relationship has been established by scientists from the Plovdiv Agrarian University (Bulgaria), the All-Russian Research Institute of Legumes and Groats (RF), the V.S. Pustovoit All-Union Research Institute of Oilseeds (V.M. Lukomets). Professors - Yancheva X, Popov V.Kh., Zotikov V.I. are scientific consultants in funded projects.

In terms of academic mobility, undergraduates Sagatbek Sumble, Auteleeva Ryskul and doctoral student of the department Mukhanov Nurbolat studied in Germany (University of Hohenheim, Stuttgart).

The professional level of the teaching staff of the department, its technical equipment quite allows to produce highly qualified personnel.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

The accredited educational program 7M08103 "Vegetable growing in protected ground" is undergoing primary accreditation.

(V) DESCRIPTION OF HIGHER EXAMINATION BOARD VISIT

The work of the EEC was carried out on the basis of the Program of an on-line visit of the expert commission on 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 visit program 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 questionnaires of teachers and students. A total of 125 people took part in the meetings (Table 1).

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

Participant category	amount
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

EEC members were unable to attend training sessions, as there are no students under the accredited program.

During the on-line excursion, the EEC members get acquainted with the state of the material and technical base.

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 have been created for the work of the EEC, access to all necessary information resources has been organized. On the part of the team of S. Seifullin KATU was provided with the presence of all persons indicated in the program of the visit, 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.

(VI) CONFORMITY TO SPECIALIZED ACCREDITATION STANDARDS

6.1. Educational program management standard

Proof part

The quality policy is approved by the Academic Council of the university and corresponds to the strategic directions of the university's development. For the implementation of the quality policy, the management has identified the main directions (<http://kazatu.kz>). Mission, vision, strategic development goal, quality policy is available and posted on the university website [www.http://kazatu.kz](http://kazatu.kz).

All documents developed at the university are based on a development plan, mission, quality policy.

The quality assurance policy is reflected in the EP Development Plan, which is posted on the university website, available at the graduating department. To implement the policy, the university has implemented and maintains a quality assurance system for education that meets the requirements of ISO 9001: 2015.

The objectives of the educational program are fixed in the modular educational program, in the working curricula and in the catalog of elective disciplines, which are available on the university website in the "training" section [www.http://kazatu.kz](http://kazatu.kz).

The mission of the educational program 7M08103 "Vegetable growing in protected ground" is based on the general mission of the S. Seifullin KATU and includes the training of highly qualified and highly demanded specialists in the agricultural sector.

The goal of the educational program 7M08103 "Protected ground vegetable growing" is to train protected ground specialists with a high level of professional culture, capable of formulating and solving modern and practical problems in the field of greenhouse vegetable growing, successfully carrying out research, management and teaching activities in the agro-industrial complex. The goals of the EP are consonant with the mission, goal and development strategy of the university, which follow from the strategic direction determined by the President of the country in the Strategy "Kazakhstan-2050", the State Program for the Development of Education and Science of the Republic of Kazakhstan for 2015-2020, the Strategic Development Plan of the University for 2015 -2020, the strategic development plan of the department for 2015-2020.

The tasks of the university are reflected in the Strategic Plan presented on the university website on the page [www.http://kazatu.kz](http://kazatu.kz)

Study programs are developed in accordance with the National Qualifications System and considering the Dublin Descriptor and the European Qualifications Framework. Educational programs are focused on learning outcomes that form professional competencies in accordance with the requirements of the labor market.

The development and regular adjustment of the EP is considered at meetings of the graduating departments with the involvement of specialists from both the internal and external environment, including students, teaching staff and employers. The representativeness of employers who participate in the design and implementation of each educational program is demonstrated.

EP management operates on the principles of openness and accessibility for students, teaching staff and employers. The university website contains information about the departments, contact details of the teaching staff.

To support the main processes and delegate authority at the university, a set of internal regulatory documents has been developed that regulates the implementation of EP.

In the course of interviewing employers, students, teachers, studying the internal regulatory documents governing the implementation of the EP, information on the website, we were convinced of the transparency of the educational program management system.

To manage the EP, the necessary information, human, financial and material and technical resources are available, as well as regulatory documents that ensure the implementation of educational programs.

Analytical part

The Commission notes that:

The goals and objectives of the educational program are fixed in the EP development plan, modular educational program, which are available on the university website in the "training" section [www.http://kazatu.kz](http://kazatu.kz).

The analysis of information on the implementation of the EP is carried out by considering these issues at meetings of the department, the educational and methodological committee and the Academic Council of the University, the management of the EP actively involves representatives of stakeholder groups, including employers and teaching staff and trainers in the formation of the EP development plan.

The University ensures the transparency of the educational program management system. So, on the website of the university in the sections "Rector's blog", "University", "Education", "Structure" information about the management and structural divisions of the university (rector, vice-rectors of the relevant directions, deans, heads of graduating departments) is presented. On the rector's blog, you can directly ask him questions.

Students, employees and interested persons can personally contact the heads of departments, deans, vice-rectors, rector at a specially allotted time. EP management takes active measures to ensure that the progress made since the last external quality assurance procedure is considered when preparing for the next procedure.

EEC notes that the interviewing of the heads of the EP and the analysis of the submitted documentation confirmed the uniqueness of the accredited program 7M08103 "Vegetable growing in protected ground". Training will be conducted according to modular educational programs, with the involvement of business practitioners in the educational process, the presence of branches of departments at enterprises, and there is also the possibility of preparing students for certification in their specialty.

Strengths / Best Practice

- availability of regulatory and methodological documentation,
- the presence of a sufficiently high level of qualifications of the teaching staff of the department for the development of an educational program;
- the development of the educational program was carried out considering the Dublin descriptors, the European qualifications framework, as well as the opinions of employers;
- the presence in the educational program of components for preparation for professional activity;
- study of the effectiveness of the implementation of the educational program;
- increasing the effectiveness of innovative teaching methods;
- demand for graduates of the specialty.

EEC recommendations

- Increase funding for internships in international universities;

EEC conclusions by criteria: strong 6; satisfactory 9

6.2. Information Management and Reporting Standard

Proof part

In order to informatize the educational program, the university carried out the following work: creation of a unified corporate information environment, introduction of electronic document management. A program has been implemented for transferring text messages and file data between departments, which significantly speeds up the office work process and significantly reduces paper flow. The programs "PLATONUS", "MOODLE" are used, which have a common network base, as well as a portal for viewing the current points by students. For the correct operation of the corporate network of the university, routing and forwarding of electronic data packets were configured. The subdivisions are provided with unlimited Internet access.

The information system allows you to process information coming from all departments related to the educational process and covers the entire contingent of teaching staff and full-time students, as well as all components of the educational process (disciplines, specialties, curricula of departments). It allows you to keep a complete record of progress: rating by week, exam grades, coursework / projects, professional practice of students.

Information management processes are carried out in accordance with the regulatory documents of S. Seifullin KATU (<http://kazatu.kz/assets/i/deps/smk-basis-151217.pdf>; <http://kazatu.kz/assets/i/deps/klassifikator%2007.09.2017pdf.pdf>).

One of the mechanisms for ensuring awareness and communication are the Internal Regulations and the Code of Honor, which are published on the website of S. Seifullin KATU.

The following information technologies have been introduced in the management activities of the university: the information site of the university (<http://kazatu.kz>), the automated information system for managing the educational process "Platonus", the distance learning system, the electronic library of the university, information systems and resources of the library complex.

AIS "Platonus", "MOODLE" allow you to display information on the educational process. The software package "Electronic University: Educational Process" is fully integrated into the system of the internal portal of the university.

The purpose of the information system is information support and automation of the processes of organizing and managing the educational process using credit technology of education. The system for monitoring the implementation of plans for the development of the educational program of the cluster includes the following mechanisms: annual reports of the graduating departments and faculties; internal audits; consideration of issues of development of different areas of training of specialists at collegial bodies.

The university has its own developed automated information systems such as: Applicant, Schedule, Practice, KPI system. These systems are involved in the collection and processing of information on all activities of the university. Local communication and closed corporate communication are used, the improvement of the information collection process is provided by the Electronic University department.

The university collects, analyzes and processes information on the contingent of students, and also has information on the level of student achievement. Assessment of the dynamics of the contingent of students and their progress is a continuous process and is carried out at meetings of the Academic Council, faculty and departments, is drawn up in the form of minutes.

Feedback has been established with students, which makes it possible to identify their satisfaction with the quality of the implemented EP. During the conversation with the students, they noted that there was an opportunity to turn to the management with certain problems.

As shown by selective acquaintance with the personal affairs of the teaching staff, employees and students, students, employees and teaching staff of the University draw up

agreements for the processing of their personal data, which confirms the legitimacy of the university's activities in accordance with the Law of the Republic of Kazakhstan "On personal data and their protection" (dated May 21 2013 No. 94-V).

The internal portal of the university is the entry point to such systems as the Electronic Library, Schedule, Rating, Web-questionnaire, Web-testing, Antiplagiat, Telephone directory and a page of congratulating employees on their birthday. The portal contains announcements, organizational and legal documents, plans and reports of the university, which are timely updated.

Information systems, both proprietary and commercial products, have been introduced. The university's own development is a web portal, information systems: Personnel, Applicant, Rating, Electronic University: Educational process.

Analytical part

With the aim of informatization of the educational program, the university carried out the following work: creation of a unified corporate information environment, introduction of electronic document management. A program has been implemented for transferring text messages and file data between departments, which significantly speeds up the office work process and significantly reduces paper flow. The programs "PLATONUS", "MOODLE" are used, which have a common network base, as well as a portal for viewing by students the current points gained. For the correct operation of the corporate network of the university, routing and forwarding of electronic data packets were configured. The subdivisions are provided with unlimited Internet access.

The information system allows you to process information coming from all departments related to the educational process and covers the entire contingent of teaching staff and full-time students, as well as all components of the educational process (disciplines, specialties, curricula of departments). It allows you to keep a complete record of progress: rating by week, exam grades, coursework / projects, professional practice of students.

Information management processes are carried out in accordance with the regulatory documents of S. Seifullin KATU (<http://kazatu.kz/assets/i/deps/smk-basis-151217.pdf>; <http://kazatu.kz/assets/i/deps/klassifikator%2007.09.2017pdf.pdf>).

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Information systems, both proprietary and commercial products, have been introduced. The university's own development is a web portal, information systems: Personnel, Applicant, Rating, Electronic University: Educational process.

Strengths / Best Practice

- *strategic planning opportunity;*
- *information management processes (collection, processing, analysis, use, evaluation) have been implemented;*
- *involvement of all EP participants in the processes of collecting and analyzing information;*
- *ensuring the process of effective delegation of authority to the heads of the EP for making operational management decisions;*
- *the ability to assess the performance of a specific unit (the degree of achievement of the set goals);*
- *the ability to attract the attention of top management to the implementation of the EP;*
- *the possibility of improving the system of motivation of teaching staff through the implementation of the planned indicators.*

Recommendations of the EEC According to OP 7M08103 "Vegetable growing in protected ground":

- improve the communication mechanism of the EP management with employers and other interested parties.

Conclusions of the EEC according to the criteria: strong - 1; satisfactory - 15.

6.3. Standard "Development and approval of educational programs"

Proof part

The development and approval of educational programs at the University is carried out in accordance with the requirements of the University Standard, 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.

The accredited OP 7M08103 "Vegetable growing in protected ground" is provided with educational and methodological documentation in accordance with the requirements: state

compulsory education standards; standard and working curricula of specialties; typical and working curricula of disciplines.

The university has the following types of curricula: standard curriculum (SC), working curriculum (WC), MOP - modular educational programs. Curricula are developed on the basis of standard curricula for specialties for the entire period of study, State Compulsory Education Standards and the Rules for organizing the educational process using credit technology of education. In accordance with the State Educational Standard of the Republic of Kazakhstan, the curriculum maintains the ratio of the volume of disciplines of cycles of GED, BD, major disciplines.

The development of educational programs is carried out by academic Committees for curricula and programs. For each educational program, a graduate model is developed, which describes the learning outcomes and personal qualities of the graduate.

The content and structure of the accredited EP are formed in accordance with the requirements of the Standard Rules for the Activities of Organizations of Higher and Postgraduate Education, approved by the decree.

The formation of the educational program 7M08103 "Vegetable growing in protected ground" is carried out with the help of an adviser for each academic year on the basis of the State Educational Standard of the Republic of Kazakhstan, WCs, IEPs.

On the basis of EP, working curricula, catalogs of elective disciplines (CED) are annually compiled and approved. The QED contains a brief description of the disciplines indicating the prerequisites and post-requisites of the discipline. QED are available at departments and on the educational portal.

The EP displays the logical sequence of mastering cycles, disciplines, practices, final certification, defense of the thesis, ensuring the formation of general and special competencies. The labor intensity of disciplines of cycles in Kazakhstan and ECTS credits, as well as in hours, with the allocation of lectures, practical (seminar) classes, independent work of students under the guidance of a teacher and independent work of a student, all types of professional practice, intermediate certification are indicated.

For all EPs, graduate models have been developed, which contains a description of the mandatory minimum of knowledge, skills, and abilities that provide basic education and the specifics of each educational program.

The graduating department has developed programs for all types of practices. The University has concluded agreements with large companies for all types of internships for students of the accredited EP.

Various types of knowledge control included in the EMCD make it possible to assess the effectiveness of students' acquisition of professional competencies.

In order to improve the quality of teaching disciplines, employers are involved in the educational process. The employers proposed and introduced the following disciplines into the educational program:

In OP 7M08103 - "Selection and seed production of vegetable crops" - "Protection of plants in greenhouses".

Scientists from the University of California at Davis proposed and introduced the following disciplines into the educational program - "The system of feeding vegetable crops in greenhouses", "Farming systems and crop production".

The decision to approve the EP at the first stage is taken by the department, which is reflected in the protocols.

An important role in the training of specialists, namely in the formation of their professional competencies, is played by various types of practices provided for by the TUP and the internal regulation of the QMS MI 2.20-2017 "Organization and conduct of professional practice." At the university, upon graduation, students submit a report and a diary signed head of the practice base.

The complexity of academic disciplines is determined in Kazakhstani credits and ECTS on the basis of the "Rules for organizing the educational process on credit technology of education", approved by the order of the Ministry of Education and Science of the Republic of Kazakhstan dated 20.04.2011 No. 152, and is fixed in the regulations of the university.

Currently, work is underway to form OP 7M08101 "Vegetable growing in protected soil" with the University of France AgroParisTech, followed by the introduction of double-diploma education.

Analytical part

Analysis of the accredited EP for compliance with the criteria of the standard "Development and approval of the educational program" shows that the content of educational programs, the sequence of their implementation, the depth of development in all specialties of training meet the regulatory requirements. According to the EP, a head of the EP was appointed and working groups were formed in specialties to develop the EP, determine the profile and model of the graduate, the qualifications obtained upon completion of the EP are clearly defined and explained, the labor intensity of the EP is clearly defined in Kazakhstani credits and ECTS, the content of academic disciplines and learning outcomes of the level of education is provided ...

In order to integrate the education system into the international educational space, to better meet the educational needs of students, the university leadership is carrying out certain work in this direction: agreements on mutual cooperation have been concluded with other Kazakhstani and foreign universities, but at the same time, academic mobility in foreign universities of undergraduates is insufficient. ... The survey of students was not carried out due to the lack of contingent.

Strengths / Best Practice

- *participation of teaching staff and employers in the development and management of educational programs;*
- *the presence of a professional context in the content of academic disciplines, the possibility of attracting scientists with experience in production*
- *periodic update of the OP*
- *availability of a monitoring system for achievements along the educational trajectory;*
- *strengthening the practical training of students;*
 - *demand for graduates of the specialty;*
- *implementation of modular technology;*
- *development of joint educational programs with leading foreign and Kazakh universities.*

EEC recommendations:

- *for EP 7M08103 "Vegetable growing in protected ground" to strengthen the provision of educational and methodological literature in English to the EP.*

EEC conclusions on the criteria for OP 7M08103 "Vegetable growing in protected ground": according to educational program 7M08103 "Vegetable growing in protected ground": strong - 8; satisfactory - 4.

6.4. Standard «Continuous monitoring and periodic evaluation of educational programs»

Proof part

EP quality monitoring is carried out: according to the timing of the EP development plan; on the quality of students' knowledge; based on feedback from employers; according to the reviews of students and graduates of the EP, etc.

Assessment of the quality of education received at the partner's university: on the basis of external and internal regulatory documents of the partner's university, regarding the quality of education of this university. Satisfaction monitoring is ensured through regular questioning, testing and personal conversations of the head of the EP, teaching staff with stakeholders. Revision and, if necessary, updating of EP programs is carried out by the department at least once a year. As necessary, the "Catalog of elective disciplines" is updated considering the interests of employers and the proposals of the chairmen of the SJSC. At the suggestions of employers, elective disciplines are updated in the working curricula of specialties. The EP is being updated in connection with the change in the state compulsory standards of higher education, the introduction of new directions and elective courses. The EP update is reflected in the catalog of elective disciplines for the corresponding academic year, is considered by the Academic Council of S. Seifullin KATU.

Monitoring of the status of the issues under consideration is carried out by competent commissions created by the order of the university, faculty. The implementation of the decisions made is controlled by the commission and discussed at the meetings of the Academic Council of the University and the Faculty Council.

The effectiveness of the changes implemented by the EP is assessed according to the results of academic performance and the quality of training of students. All the processes associated with the implementation of the EP of bachelor's, master's, doctoral studies at NJSCS. Seifullin KATU are documented and verified by the Department of Academic Affairs (DMA).

To determine the level of student satisfaction, the Department of Academic Affairs and the Department of Academic Affairs (DMA) organize and conduct a survey of students each academic period. The following types of monitoring and questioning are carried out annually:

- monitoring the employment of graduates;
- monitoring the structure and content of EP by employers based on the examination of modules, MEPS, QEDs;
- survey of students' satisfaction with the educational organization at the University and improvement of the educational process; on the quality of work of the dean's office and faculty; on organization and industrial practice, on preventing and combating corruption at the university;
- monitoring the activities of the University for the past academic year in the form of a report;
- with the help of AIS "Platonus", "MOODLE" and monitoring is carried out: characteristics of the contingent; educational process, etc.

Monitoring of the workload, progress and the results of assessing the quality of training of students and graduates is carried out, which is confirmed by the minutes of the SEC meetings, the minutes of the meetings of the departments.

The EP is being updated in connection with the change in the state compulsory standards of higher education, the introduction of new directions and elective courses.

The EP is updated in accordance with the requests of employers, which is reflected in the catalog of elective disciplines for the corresponding academic year, and is considered by the Academic Council of S. Seifullin KATU.

The management of the university has demonstrated its openness and accessibility for students, teaching staff, employers: there is access to management at any level of management on personal issues, meetings with the rector and vice-rectors are held on a systematic basis.

To ensure transparency and awareness of the EP, meetings are held with representatives of enterprises (employers, representatives of base practices, etc.). All proposals of employers are considered at a meeting of the department and a decision is made to amend both the EP in the form of new disciplines and the working curricula and syllabuses of individual disciplines.

The participation of teaching staff, employers and students in the development of the EP is presented in the following documents:

- 1) annual event "Alumni Fair" with employers;

2) characteristics of employers for trainees based on the results of internships, as well as reviews of graduates;

3) reviews from organizations on the OP.

Students and visitors of the official website of the university on the website www.kazatu.kz can get acquainted with the rules of admission, transfer from a course to a course, from other universities, about the procedure for redeemed credits, etc.

The quality management system for the provision of educational services under the educational program provides for: improving the quality of the teaching staff, optimizing curricula, developing the material and technical base, creating information resources and ensuring their accessibility, forming a high-quality contingent of students, monitoring the quality of education, etc.

Innovative proposals from interested parties to improve the activities of the EP can be received both through communicative means of communication (to the rector's blog, e-mail communication, interviews with potential employers), and personally (during reception hours;

speeches at the Academic and Board of Trustees of the university, questioning employers during the alumni fair).

Analytical part

EEC confirms that the university constantly monitors, periodically evaluates and revises educational programs for the effective implementation of the educational process and works to create a favorable learning environment for students. Employers are involved in the process of design, development and implementation, as well as revision of the EP, for conducting classes, reviewing diploma projects, are members of the state certification commission.

The EEC Commission notes that the website of the university does not fully contain information about the content of accredited educational programs, and information about changes in the content of the EP is not published in the public domain.

The management of the university has demonstrated its openness and accessibility for students, teaching staff, employers: hours of admission on personal matters are determined, meetings with the rector are held on a systematic basis.

Employers take part in the development of the EP by submitting their proposals for new elective disciplines. In the graduating departments there are reference from employers on the EP.

The EEC Commission notes that the content of the EP is constantly updated and updated, but all changes are not communicated to the interested parties.

Strengths / Best Practice

- monitoring the implementation of the EP development plan and educational achievements of students;

- frequency of monitoring;

- survey of employers;

- expanding the circle of employers;

- constant monitoring of professional competencies.

Recommendations of the EEC for OP 7M08103 "Vegetable growing in protected ground": - increased funding for practice managers from enterprises.

EEC conclusions by criteria: strong –1; satisfactory - 7; to be improved - 1.

6.5. Standard «student-centered learning, teaching and performance assessment»

Proof part

The University's leadership provides equal opportunities for students regardless of the language of instruction. Training takes place in the state and Russian languages. For each EP,

MEP and QED are formed, which characterize educational trajectories. Students have the opportunity to choose elective disciplines and teachers for the next academic year.

Students receive information about the possibilities of forming an individual educational trajectory with the help of advisors. Monitoring of the progress of students along the educational trajectory is carried out on the basis of a system for assessing students' results. Independent work of students under the guidance of a teacher is planned for the academic stream, if its occupancy is no more than 50 people. Based on the results of the academic course, the average transfer GPA is calculated, which increases with each year of the student's study, which serves the purpose of improving the quality of knowledge in special disciplines. The EP's management ensures the availability and effectiveness of the peer review mechanism (appeal), transparency of the criteria and assessment tools.

For students with special educational needs, access to library and information resources, free movement around educational buildings, dormitories and social facilities of the university are provided, ramps and pictograms are installed.

Students are provided with syllables, teaching materials, educational and scientific literature, SRO, SROP, consultations and information resources. Departments ensure the harmonious development of students, considering their individual characteristics. Monitoring of the effectiveness and efficiency of the application of innovations and the use of active teaching methods is carried out through discussion at meetings of departments, analysis of student progress.

The university has an effective system of information and feedback: the website of the S. Seifullin KATU, a page for the applicant, the sites of history and events of the S. Seifullin KATU, an electronic library, a student forum, an educational portal, etc. The EP management is actively working to maintain the autonomy of students in academic disciplines through the use of interactive teaching methods, round tables, discussions, game technologies, technologies of collective and group activities, simulation methods of active learning, methods of analyzing specific situations, the method of projects, the method of discussion, brain attack, project method, business game method, lecture-press conference, lecture-conversation, lecture-visualization, lecture-dispute, etc.

The procedures for assessing the level of knowledge of students at the University correspond to the planned learning outcomes and EP goals. The assessment of knowledge, skills and professional competencies of students using credit technology of education is carried out on a 100-point scale with the transformation of the final result into an alphabetic and digital equivalent. The final grade for the discipline includes assessments of the admission rating and final control. All information on the assessment of students, including current, final control, is available in the AIS Platonus system. The University has established a procedure for responding to student complaints. There is a helpline where you can contact with suggestions and complaints. There is a feedback, which is implemented in the form of the functioning of the rector's blog.

The mechanisms for identifying conflicts are students' statements, a personal appeal to the head, and an online complaint. The University uses a special box installed at the entrance of the main building to receive information and consider complaints and suggestions from students.

Student-centered learning plays an important role in increasing motivation, self-reflection and student engagement in the learning process. For Seifullin KATU, the introduction of student-centered learning requires a balanced approach to the development and teaching of the educational program and the assessment of learning outcomes.

The Department of Agriculture and Plant Growing prepared OP 7M08103 "Vegetable growing in protected ground" from the 2019-2020 academic year, which meet the requirements of the employer and the needs of students. The identification of students' needs is carried out on the basis of questionnaires, interviews, polling and analysis. EP was approved for educational programs. The curriculum provides for disciplines of a methodological nature, aimed at using

innovative technologies in the educational process, developed in conjunction with enterprises - employers.

The individual characteristics of the student are considered when implementing the EP. So, the degree of language readiness determines the group with a certain foreign language. When developing a master's degree program, it is possible to study for groups that have previously graduated from bachelor's and master's degrees in other specialties, in particular: Soil Science and Agro chemistry, Plant Protection and Quarantine. To enroll in a master's program, graduates of these specialties must study the disciplines that are prerequisites (Plant growing, Agriculture) for studying the disciplines of this master's program.

Within the framework of academic mobility, there is an opportunity to replenish knowledge in other universities of Kazakhstan and foreign educational institutions and take part in various educational programs (for example, "Bolashak"). Students can study a foreign language for free at the expense of the university.

Student-centered learning involves the use of various teaching methods and technologies, considering the variety of forms of information assimilation. The competence-based approach is provided by the teaching staff through the creation of the teaching and learning method of the specialty and disciplines.

To expand the practical training of students, the method of dual education is used, which is used in the preparation of undergraduates (during the trimester). Research in the field of teaching methods of academic disciplines is carried out within the department constantly, which confirms the holding of methodological seminars by experienced teaching staff, questions of department meetings, teaching staff reports on the results of internships in universities. Within the department, measures are constantly being taken to widely introduce and apply innovative technologies in the educational process. The register of applied innovative technologies is presented in the program.

To control the quality of teaching and the level of knowledge of students, it is regularly carried out within the department and university control. The departments monitor the quality of conducting classes.

The feedback system or monitoring the effectiveness of the application of new technologies is carried out by questioning students and teaching staff. The functioning of the feedback is carried out with the help of AIS "Platonus", the university website (page for the applicant, educational portal), reports of the department on the "Program for the widespread introduction and application of innovative technologies in the educational process of the department of agriculture and crop production for 2016-2020.

To consolidate practical competencies at the university, the research and production unit "Campus" has been operating since 2015, where dual education classes are held for students of bachelor's and master's degrees, as well as educational and industrial practice for the specialty of agriculture and crop production.

In 2018, within the framework of the SPIID program, a soil research laboratory (Kazakh-German Soil Laboratory) was created and later, together with colleagues from the Leibniz Soil Institute (Germany), was equipped with new equipment in accordance with European standards. In 2019, the laboratory received an accreditation certificate No. KZ.T.01.2238 dated July 22, 2019. On the basis of the Kazakh-German Soil Laboratory, educational and industrial practice for the specialty of soil science and agro chemistry for undergraduate, graduate and doctoral studies are underway. The level of students' knowledge of the planned learning outcomes and the objectives of the program are traced for all types of control (current control, intermediate and final certification) are assessed using a point-rating, letter system (BRBS) for assessing students' educational achievements with a transfer to the traditional scale (QMS 02.2007-2018).

If the results are not achieved, the student has the opportunity to retake the final control without repeating the program of the academic discipline / module (free of charge). During the period of intermediate attestation of a student, it is allowed to retake the exam (upon receiving an FX grade) in the academic discipline (module) no more than two times. If the FX score is

“unsatisfactory” for the third time, the student is expelled from the university and loses the opportunity to enroll in this discipline again.

Information on obtaining an assessment for all types of control and the transparency of the assessment procedure is reflected in the electronic journal PLATONUS, which each student has access to through an individual login - password.

Analytical part

The Commission notes that the University strives to develop objective means for assessing student knowledge, using the recommendations of the latest ECTS and a clear anti-corruption policy. The progress of the implementation of educational programs is discussed at the meeting of the department and is reflected in the annual reports on the work of the department.

The EEC Commission, during interviews with the teaching staff, determined that the teaching staff of the EP produce various educational and training manuals on their readable disciplines and the results of research work within the framework of ongoing projects on the GF and PTF.

The EP management provides students with flexible learning paths, considers their individual characteristics; introduces and applies active and innovative teaching methods; monitors SRO and its results; monitors student satisfaction, using various teaching methods and evaluating learning outcomes, demonstrates the existence of a procedure for responding to student complaints, provides a mechanism for objectively assessing learning outcomes for the EP goals.

Strengths / Best Practice

- *Providing flexible learning paths;*
- *Using teaching methods and evaluating results;*
- *Support for the autonomy of students while managing the EP;*

Conclusions of the EEC according to the criteria: strong - 5; satisfactory - 5.

6.6. Standard «Students»

Proof part

The contingent of students in educational programs is formed as a result of an annual competition for a state educational grant and on a contractual basis. Every year the university approves the price list for paid educational services, agreed by the Department of Higher Education of the Ministry of Education and Science of the Republic of Kazakhstan.

The contingent of undergraduates in EP 7M08103 "Vegetable growing in protected ground" is formed as a result of an annual competition for a state educational grant and on a contractual basis.

The EP's management demonstrates the policy of forming the contingent of EP students from admission to graduation and ensures the transparency of its procedures

An adaptation week was organized for newly enrolled students, implemented by the efforts of academic advisors.

By the time of accreditation, the recruitment of the contingent for the EP "Vegetable growing in protected soil" has not been completed.

University graduates are provided with a diploma supplement in accordance with the requirements of the state sample of the Republic of Kazakhstan, indicating the disciplines studied, the volume of labor intensity of the studied material in credits of the Republic of Kazakhstan and in the ECTS system in 3 languages.

Examination sessions are traditionally held within the timeframes established by the Academic Calendar of the University. Preparation for the sessions was carried out in accordance with the set of measures for organizing and conducting the session by the structural units responsible for organizing the educational process.

Examination sessions are traditionally held within the timeframes established by the Academic Calendar of the University. Preparation for the sessions was carried out in accordance with the set of measures for organizing and conducting the session by the structural units responsible for organizing the educational process.

The university has ensured the recognition of qualifications issued by other countries and meeting the general requirements for access to higher education in order to access the programs that make up its higher education system (based on the "Rules for the recognition and nostrification of educational documents" approved by the Order of the Acting Minister of Education and science of the Republic of Kazakhstan No. 125 dated March 16, 2017). In accordance with the convention, training is carried out according to the credit education system with translation into ECTS values.

The mechanism of external mobility of students is regulated by PAOFAOQMS 11010.98 - 2014. On the organization of external academic mobility of students at S. SeifullinKazATU, internal mobility EXTRA QMS 02.2042-2017. Regulations on the organization of internal academic mobility of students at S. Seifullin Kazakh Agrotechnical University.

The mechanism for recognizing the results of student mobility is carried out according to the ECTS type. Credits are awarded to the student only after he has successfully passed the final control in this discipline.

In S. Seifullin KATU students take part in the program competition: EU Erasmus + International credit mobility; external mobility funded by the MES RK; border mobility with the Irkutsk State Agrarian University and the Yakutsk State Village. x. academy; and internal mobility (KazNAU, Almaty).

Informing students about the programs is carried out by the Center for the Development of International Cooperation and Multilingual Education (CDICME) through the university website <http://kazatu.kz/ru/>, ARTA electronic document management, informing the coordinators of international cooperation by faculties.

The process of allocation of graduates is carried out by organizing and holding an alumni fair with the aim of their employment. The department constantly monitors the employment of graduates, invites to a meeting with employers, helps in further professional growth through training in magistracy and doctoral studies.

At the university, the Career and Business Center oversees faculty employment. As a result of the successfully completed EP, graduates are awarded academic degrees in accordance with the "State Classifier of Specialties of Higher and Postgraduate Education of the Republic of Kazakhstan", approved and enacted by Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 13, 2018 No. 569. The department constantly monitors the employment of graduates, invites to a meeting with employers, helps in the future professional.

Analytical part

The university has a clear policy of forming a contingent of students from admission to graduation and ensures the transparency of its procedures, as well as provides EP graduates with documents to confirm qualifications, including the results of training. EP students have all the conditions for obtaining deep theoretical knowledge and practical skills in all EP disciplines. OP management contributes to the formation of a contingent and transparency of these procedures, ensures the implementation of adaptation programs and support for incoming and foreign students, Promotes mobility, including in obtaining external grants, and recognition of its results as a principle of the Bologna Declaration, stimulates students to self-education, provides support for gifted students, promotes the provision of practice to students, employment and communication with graduates, monitors graduates and provides them with documents confirming their qualifications.

Experts of the EEC IAAR note that the EP "Vegetable growing of protected ground" has a transparent policy for the formation of a contingent of students, approved procedures that

regulate the life cycle of students. Analysis of the student population over the past five years indicates its positive dynamics.

Extracurricular activities and educational institutions of higher education are aimed at the formation of a socially adapted personality with an active civil 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 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

- forming the contingent of applicants and the transparency of policy procedures;
- conducting programs for adaptation and support of applicants;
- conformity of their actions with the Lisbon Convention;
- availability and application of mechanisms by recognition of the results of the academic mobility of the students;
- availability of places of practice and assistance to employment;
- monitoring the employment and professional details of the graduates of the OP;
- stimulation to self-learning and self-education; -availability of mechanisms to support gifted and talented learners;
- expansion of cooperation with educational organizations and national centers.

EEC recommendations

- development of special adaptation programs for foreign students.

EEC conclusions by criteria: strong - 8; satisfactory - 5, suggests improvements - 1.

6.7. Standard «Academic Teaching Staff»

Proof part

Personnel policy is carried out in accordance with the main priorities of the university strategy. The selection of personnel is carried out on the basis of an analysis of the needs of educational programs, according to the results of which a competition for filling vacant positions is announced. Monitoring of the activities and development of the teaching staff is carried out in accordance with the provision of SO QMS 4.5.01 - 2014 (Organization standard). according to the implementation of the teacher's individual work plan.

The EP's need for full-time employees is determined on the basis of the total academic load for each academic year, and depends on the contingent of students at the levels of educational programs. At the same time, teachers with the academic degree of Doctor or Candidate of Science are primarily involved in teaching at master's and doctoral educational programs. The need for teaching staff is being met by ensuring adequate teaching hours.

Department of Agriculture and Plant Growing.

The educational activities of the EP for bachelor's degree are carried out by 65 teaching staff, with a degree of 73.7%, for a master's degree - 21 people. and 91.4%, in doctoral studies - 5 with 100% degree of EP

Information about the teachers participating in the implementation of the EP is posted on the website of Seifullin KATU, in which contact information, area of scientific interests, main achievements, availability of developments, information on advanced training are indicated (<http://kazatu.kz/ru/obrazovanie/fakulteti/agronomicheskiiy-fakultet/kafedra-zemledeliya-i-rasteniyevodstva/> / stranica-pps /). This information is available to everyone.

In order to improve the professional level, motivate teaching staff and stimulate

employees, the university operates a system of bonuses for teachers and employees for personal contribution and results achieved in work. The scientific activity of the department is an integral part of the process of training specialists. Scientific projects are financed by the Ministry of Education and Science, Ministry of Agriculture and other budgets and extrabudgetary sources of funding. PPP also has the opportunity to participate in international scientific projects.

Over the past five years, the Department of Agriculture and Plant Growing has carried out research work in the direction: "A complex of biologically and economically justified land use systems based on the principles of ecologization and resource conservation, ensuring sustainable productivity of agricultural land and reproduction of soil fertility. During the reporting period, the teaching staff of the department completed research projects in 5 main areas, including - on scientific and technical programs, on budget programs 055 MES RK "Scientific and / or scientific and technical activities", on programs 212 of the Ministry of Agriculture of the Republic of Kazakhstan "Scientific research in the field of agro-industrial complex ", on contractual projects, on initiative scientific topics, as well as on international educational projects. The total funding for the last 5 years is more than 500 million tenge.

For 2016-2019 the staff of the department has developed and published more than 120 scientific articles and educational publications, including 2 monographs, 3 textbooks, 32 teaching aids. Particularly noteworthy are publications in journals with an impact factor (in the Web of science database (Thomson Reuters, USA) and Scopus (Elsevier, Netherlands), as well as indexed in foreign thematic databases.

The teaching staff of the Department of Agriculture and Plant Growing, implementing the OP 7M08103 "Vegetable growing in greenhouses" meets the qualification requirements for licensing educational activities, has full knowledge, modern teaching methods and provides a really high-quality higher education.

Analytical part

Thus, it can be noted that the university has an objective and transparent personnel policy, including recruitment, professional development and staff development that ensures the professional competence of the entire staff, actively motivates the professional and personal development of OP teachers, encourages both the integration of scientific activities and education, as well as the application of innovative teaching methods, the management of the OP is aware of the responsibility for its employees and provides them with favorable working conditions, ATS's personnel potential corresponds to the university's development strategy and the specifics of the OP. One of the methods of motivating ATS in creative development, scientific achievements is the presence of a rating wage of the labor system.

The teaching staff meets the qualification requirements for licensing educational activities. 100% of teachers have basic education in the area of training in all specialties. The degree of degree is 91.4%.

Strengths / BestPractice

- rather high degree of OP;
- correspondence of the basic education of the teaching staff to the EP profile;
- extensive scientific, pedagogical and practical experience;
- experience of teaching staff participation in scientific competitions, educational programs;
- Application of innovative methods and forms of teaching by the teaching staff.
- a well-functioning system of cooperation with educational and scientific institutions of the near and far abroad;
- material and staffing opportunities for high-quality research.

EECrecommendations

- Strengthen work to increase the number of teaching staff with knowledge of a foreign language.

EEC conclusions by criteria: strong - 3; satisfactory - 6.

6.8. Standard «Educational resources and student support system»

Proof part

An important factor of ensuring the quality of education and the guarantee of sustainable development of JSC S. Seifullin Kazakh Agrotechnical University is the constant improvement of material resources and technical infrastructure.

The University has a material and technical base that ensures the implementation of all types of practical training and research work of ATS and students, provided for in the curriculum of the University of Higher Education. Students of the OP 7M08103 "Vegetable Growing Protected Soil" have access to the use of the following facilities:

- Educational building No. 1 (main building), with a total area of 13,560,2 (m²), including lecture halls, classrooms for practical exercises, laboratories, multimedia rooms, computer rooms, a language and computer room, a library, reading rooms, a buffet -1, a sports hall.

- Educational building No. 2 (building of the Faculty of Biology), with a total area of 8,123,6 (m²), including lecture classrooms, classrooms for practical classes, laboratories, a language and computer room, multimedia rooms, computer rooms, a library, a dining room.

- Educational building No. 3 (building of the Faculty of Agronomy), with a total area of 4,885,0 (m²), including lecture audiences, classrooms for practical classes, laboratories, a language and computer room, multimedia rooms, computer rooms, a dining room.

- Educational building No. 5 (building of the Faculty of VTAH), total area - 5 354.6 (m²), including lecture auditoriums, auditoriums for practical and laboratory-practical studies, laboratories, reading rooms, multimedia rooms, multimedia rooms.

- Educational building No. 6 (building of the technical faculty), total area - 5 400.0 (m²), including lecture auditoriums, auditoriums for practical classes, laboratories, multimedia computers, computer systems, computer systems

- Two dormitories for students No. 6 and No. 8 with a total area of 3,168.9 and 8,755.6 (m²), which have rooms for students, rooms for leisure, a reading room, a dining room and a tripod.

For the implementation of high-quality food in educational buildings and hostels, there are Student Catering Center, canteens and buffets. In order to create favorable conditions for improving the life of students and university teachers, each hostel has a bath and laundry complex.

To organize free medical care, there are 4 medical points at the university. The editorial and publishing department works. To solve the housing issue, the invited teacher is provided with housing in the existing 3 five-storey buildings on the street. Kerey-Zhanibek Khandar.

To organize the educational process, the university is sufficiently equipped with an educational and laboratory base, modern technology in classrooms, lecture halls and in all departments of the university.

Each building is equipped with high-speed internet. An important factor is the availability of a unified automated system in KATU. The University operates the information system "PLATONUS", which includes technological support for students and teaching staff. To ensure an appropriate level of security and safety of tangible assets, the university is equipped with a video surveillance system, including 1236 cameras and an access control system (ACS).

The general requirements for the educational and scientific material and technical base of the university are regulated by the Regulations on the certification of classrooms (laboratories). The scientific library has ten databases of electronic resources, to which round-the-clock access is provided, as well as access to bibliographic records of the entire book fund through its own server and server technologies. To provide electronic versions of published journals, the library has a subscription on the portals polpred.com and the English-language springerlink.com

The main book fund of the library is 736045 copies (of which: educational - 35134 copies (68% of the total fund), scientific literature 17155 copies (15% of the total fund), educational-

methodical and other literature 23345 copies (17% of total fund) on electronic media - 76 045. The volume of the book fund per 1 student is 417.8 units. The fund of the university library for the educational programs of the department the provision of UML disciplines in the state language is 85% and in Russian 95%.

Periodicals and documents are purchased by the library in accordance with the needs of departments and structural divisions of the university. Periodicals and documents go to the fund of the reading room of periodicals. Departments annually subscribe to periodicals on average 100 titles, these are large Kazakhstan magazines in all studying disciplines. The provision of the disciplines of the curriculum of the specialty with the fund of educational, educational-methodical and scientific literature on electronic and magnetic media is sufficient.

Analytical part

As a result of remote inspection by members of the EEC of the facilities of the material base, we note that to ensure the educational process of accredited educational programs, the university has all the necessary educational and material assets. The building of the university meets the current sanitary standards and fire safety requirements. Classroom and laboratory facilities, classrooms and other premises, sports facilities comply with the established norms and rules.

The information support complies with the requirements of the EP, the library contains the necessary educational, technical, reference books and periodicals.

Conditions have been created to meet the social, personal and household needs of students. For the implementation of scientific developments and research work of the teaching staff and students, there is a research and experimental campus of the university.

At the same time, it should be noted that for students the provision of the Internet is paid

Strengths / Best Practice

- correspondence of information resources to the specifics of EP, library resources, including the fund of educational, methodological and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals in the context of languages of instruction;
- functioning of the educational information portal AIS "PLATONUS"
- high level of social security of students;
- Internet support throughout the university;
- an increase in the number of Internet users;
- availability of research laboratories;
- compliance with safety requirements in the learning process.
- development and strengthening of relations with foreign educational institutions and educational organizations;
- modern level of service for readers;
- improvement of activities for completing the fund with book and electronic publications;
- availability of material and technical base.

Recommendations of the EEC for EP 7M08103 "Vegetable growing in protected ground":

- consider the possibilities of providing the Internet for students free of charge

EEC conclusions by criteria: strong - 2; satisfactory - 5; suggests improvement – 1.

6.9. Standard «Publicawareness»

Proof part

The University regularly informs the public and key stakeholders about all aspects of its activities, conditions and features of the implementation of educational programs, within the framework of existing accreditations and licenses.

Information about the activities of the university is carried out by the press service of S. Seifullin KATU through publications, television programs, interviews, advertising image products. The university's activities are constantly covered by the media, messengers (Facebook, Instagram, VK, YouTube, etc.).

The university operates various information services, student support and feedback, each of which performs separate functions. According to the principle of openness and accessibility to the public, the university openly publishes information about its activities, the rules for admission of applicants, educational programs, terms and forms of study, international programs and partnerships of the university, the advantages of the university and each faculty, information about the employment of graduates, alumni reviews, events and success of students, contact and other useful information for applicants on various media.

Sources of information about the activities of the university and the implementation of educational programs for stakeholders are the headings "University", "Applicant", "Education" and "Student life" on the University website <http://www.katu.kz> The official page of the university operates on the social network: in Contact ([katu.kz](http://www.katu.kz)), Facebook (Katu.Kz), Instagram (Katu.Kz), etc.

Regular questionnaires, the rector's forum on the university website, a personal reception of the rector, a helpline and helpline are mechanisms for studying the needs and expectations of students and for dialogue with top management.

Thanks to the equipping of each department with computers, laptops, office equipment and other technical teaching aids, each teacher of the University has the opportunity for independent access to information.

The constant use of e-mail by the staff of the departments, the regular receipt of messages and replies to them to the e-mail of the departments can significantly save time on the formation of reports. Over the past 3 years, there has been an increase in the satisfaction of students and teaching staff with the presence and use of computer technology in education, which is associated with the opening of specialized classrooms, access to the Internet.

The University regularly takes part in various ratings of higher educational institutions of Kazakhstan, as well as in external assessment procedures, including taking part in the rating of higher educational institutions of the Republic of Kazakhstan, according to educational programs, conducted by NPP Atameken (www.atameken.kz).

Analytical part

Analysis of the information presented on the university website showed that the University posts complete and reliable information about its activities, the rules for admitting applicants, educational programs, terms and form of training, contact and other information useful for applicants and students.

At the same time, there is insufficient information in the press and television about the activities of the EP.

The assessment of satisfaction with information about the activities of the university, the specifics and progress of the EP implementation is carried out annually through a questionnaire, survey, feedback, as well as through the rector's blog. Information about the employment opportunities of EP graduates is posted on the website [www / kazatu.kz](http://www.kazatu.kz) in the section "Employment" of graduates of Seifullin KATU, also in this section there is information about the employment of graduates of Seifullin KATU, the needs of the region according to the NPP "Atameken". At the university, a special unit is engaged in employment issues - the Center for Career and Business

Strengths / Best Practice

- *the availability of a variety of ways to disseminate information;*
- *information about implemented EP;*
- *availability of information about teaching staff;*

- communication and cooperation with potential consumers of educational services;
- communication with government bodies;
- demonstration on the web resource of information characterizing the university as a whole and in the context of EP on the website www.kazatu.kz;
- the presence of its own scientific journal "Bulletin of Science S. Seifullin KATU" and the newspaper "Menin Universititim";
- development of a planning system for the development of the university's resource base;
- involvement of members of the Board of Trustees and business structures in the development of MT equipment of the university.

EEC recommendations

- conducting advanced training of teaching staff in the field of innovative teaching technologies at the international level.

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

6.10. Standard «Standards in the context of different specialties»

Proof part

The development of the educational program 7M08103 "Vegetable growing in protected soil" is aimed at obtaining the necessary theoretical and practical training for graduates. The current state of training within the framework of EP 7M08103 "Vegetable growing in protected ground" is supported by educational and methodological materials, an annual update of the subject of graduation work, as well as the introduction of new elective disciplines, considering the recommendations of employers.

In order to familiarize students with the professional environment and current issues in the field of specialization, as well as to acquire skills based on theoretical training, the following activities are carried out for students:

- excursions to enterprises - an important stage in obtaining reliable information about the production cycle of the enterprise. During the tour, conversations are held with production managers, engineers and workers. Students get acquainted with the production process of the enterprise, the work of personnel, get an idea of the future profession;
- conducting classes at enterprises of specialization;
- conducting training seminars in conjunction with manufacturing enterprises in order to improve the professional level of the teaching staff.

In the framework of the EP, in the process of industrial practice, students gain experience in professional and organizational work. In the junior courses, an educational practice is organized with a trip to collect herbarium, to familiarize with the features of the geomorphological conditions of nearby areas. Industrial practice is organized on the campus of the university, on the field experiments of the department, in the machine-tractor park of the university.

Industrial, research practice is carried out at enterprises - practice bases with which the university has contracts. The materials collected during the period of practice are the basis for writing the final qualifying work. In order to strengthen practice-oriented training in EP, dual training is being introduced - at enterprises.

Carrying out classes at enterprises of specialization provides an opportunity for professional communication with practitioners who have experience in real production conditions. Such interaction is realized through the opening of branches of departments at enterprises and organizations corresponding to the profile of training specialists.

Offsite classes are practiced in the greenhouse complexes of Astana Eco Standard LLP and Led System LLP, where students get acquainted with the structure of organizations and technological production processes. Also, offsite classes are practiced in the scientific and

experimental campus of the NJSCS. Seifullin KazATU and the North-Kazakhstan agricultural enterprise LLP, the Naidorovskoe LLP, where students get acquainted with field work, agricultural technology, the selection of soil samples and undergo industrial practice.

In order to approximate theory with practice and quickly adapt graduates to a professional environment for teaching in accredited educational programs, practical teachers are involved. All involved specialists have basic education, practical experience, and high qualifications.

Monitoring of the impact of the introduction of innovations in the educational process on learning outcomes is carried out at various levels. At the departments - through the system of mutual attendance of training sessions, discussions at methodological seminars. At the university - through attending master classes organized by the faculty, improving the qualifications of the teaching staff at courses, trainings.

In order to familiarize students with the professional environment and current issues in the field of specialization, as well as for the acquisition of practical skills based on theoretical training, the educational program provides for various types of practices: educational, industrial, pre-diploma. All types of internships are conducted in accordance with the standard curriculum, according to the academic calendar.

The departments have concluded contracts for the conduct of professional practice, which define the responsibilities of the departments, the base enterprise and students. The departments have developed guidelines for the organization and conduct of practices, training programs. Students undergo an internship in accordance with the order of the rector, which indicates the basis of the internship, the terms of its completion and the leaders of the internship from the educational institution. At the end of the practice, students submit reports in the approved form.

For the purpose of employment and vocational guidance, contact with graduates is supported by advisors who periodically hold round tables, open days and curatorial hours with undergraduate students.

A Job Fair is held annually in order to establish ties with enterprises, identify the personnel needs of domestic business, as well as employ university graduates.

Analytical part

The analysis of feedback from employers and managers of educational and industrial practices on accredited educational programs indicates that there is a pronounced practical orientation of special disciplines.

Teaching in educational programs is not always conducted using modern pedagogical technologies. The Commission notes the need for regular discussions of the latest teaching methods and technologies for accredited EP based on modern achievements of world science and practice in the field of specialization.

One of the priority directions of the process of informatization of modern society is the informatization of education, which is a system of methods, processes and software and hardware integrated with the aim of collecting, processing, storing, distributing and using information. The use of information and communication technologies helps to arouse students' interest in the subject, to activate their educational and cognitive activities

Strengths / BestPractice

- *the presence in the accredited EP of disciplines aimed at obtaining students practical experience in the application of theoretical knowledge*
- *expanding the academic freedom of the university;*
- *increasing university science in innovative projects;*
- *sufficiently good pedagogical conditions (educational environment) have been created;*

Recommendations EEC 7M08103 "Vegetable growing in protected ground":

- to strengthen vocational guidance work in order to ensure recruitment for the educational program.

EEC conclusions by criteria: strong - 3; satisfactory - 2.



OVERVIEW OF STRENGTHS / BEST PRACTICES FOR EACH STANDARD

1 STANDARD "MANAGEMENT OF THE EDUCATIONAL PROGRAM"

Strengths/Best Practice

- availability of regulatory and methodological documentation,
- the presence of a sufficiently high level of qualifications of the teaching staff of the department for the development of an educational program;
- the development of the educational program was carried out taking into account the Dublin descriptors, the European qualifications framework, as well as the opinions of employers;
- the presence in the educational program of components for preparation for professional activity;
- study of the effectiveness of the implementation of the educational program;
- increasing the effectiveness of innovative teaching methods;
- demand for graduates of the specialty.

2 STANDARD «MANAGEMENT OF INFORMATION AND REPORTING»

Strengths/Best Practice

- the possibility of strategic planning;
- implemented information management processes (collection, processing, analysis, use, evaluation);
- involvement of all EP participants in the processes of collecting and analyzing information;
- ensuring the process of effective delegation of authority to the heads of the EP for making operational management decisions;
- the ability to assess the performance of a specific unit (the degree of achievement of the set goals);
- the ability to attract the attention of top management to the implementation of the EP;
- the possibility of improving the system of motivation of teaching staff through the implementation of the planned indicators

3 STANDARD «DEVELOPMENT AND APPROVAL OF EDUCATIONAL PROGRAMS»

Strengths/Best Practice

- participation of teaching staff and employers in the development and management of educational programs;
- the presence of a professional context in the content of academic disciplines, the possibility of attracting scientists with experience in production
- periodic update of the EP;
- availability of a monitoring system for achievements along the educational path;
- strengthening the practical training of students;
- demand for graduates of the specialty;
- implementation of modular technology;
- development of joint educational programs with leading foreign and Kazakh universities.

4 STANDARD «CONTINUOUS MONITORING AND PERIODIC EVALUATION OF EDUCATIONAL PROGRAMS»

Strengths / Best Practice

- monitoring the implementation of the EP development plan and educational achievements of students;
- frequency of monitoring;
- survey of employers;
- expanding the circle of employers;

- constant monitoring of professional competencies.

5 STANDARD «STUDENT-CENTERED LEARNING, TEACHING AND PERFORMANCE ASSESSMENT»

Strengths/Best Practice

- Providing flexible learning paths;
- Using teaching methods and evaluating results;
- Support for the autonomy of students while guiding the EP

6 STANDARD «STUDENTS»

- the formation of the contingent of applicants and the transparency of the policy procedures;
- conducting programs for adaptation and support of applicants;
- compliance of their actions with the Lisbon Convention;
- Availability and application of mechanisms by recognition of the results of the academic mobility of the students;
- availability of places of practice and assistance to employment;
- conducting monitoring of employment and professional details of graduates of the OP;
- stimulation to self-learning and self-education; -availability of mechanisms to support gifted and talented learners;
- expansion of cooperation with educational organizations and national centers.

7 STANDARD «ACADEMIC TEACHING STAFF»

Strengths/Best Practice

- a sufficiently high degree of OP;
- correspondence of basic education of the teaching staff to the EP profile;
- extensive scientific, pedagogical and practical experience;
- experience of teaching staff participation in scientific competitions, educational programs;
- application of innovative methods and forms of teaching by teaching staff.
- a well-functioning system of cooperation with educational and scientific institutions of the near and far abroad;
- material and personnel opportunities for high-quality research and development.

8 STANDARD «EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM»

Strengths / Best Practice

- correspondence of information resources to the specifics of EP, library resources, including the fund of educational, methodological and scientific literature on general education, basic and profiling disciplines on paper and electronic media, periodicals in the context of languages of instruction;
- functioning of the educational information portal AIS "PLATONUS"
- high level of social security of trainees;
- Internet support throughout the university;
- an increase in the number of Internet user;
- availability of research laboratories;
- compliance with safety requirements in the learning process.
- development and strengthening of relations with foreign educational institutions and educational organizations;

- modern level of service for readers;
- improvement of activities for completing the fund with book and electronic publications
- availability of material and technical base.

-

9 STANDARD «PUBLIC AWARENESS»

Strengths / Best Practice

- availability of various ways of disseminating information;
- information about the implemented EP;
- availability of information about teaching staff;
- communication and cooperation with potential consumers of educational services;
- communication with government bodies;
- demonstration on the web resource of information characterizing the university as a whole and in the context of EP on the website www.kazatu.kz;
- the presence of its own scientific journal "Bulletin of Science S. Seifullin KATU" and the newspaper "Menin Universititim ";
- development of a planning system for the development of the university's resource base;
- involvement of members of the Board of Trustees and business structures in the development of MT equipment of the university.

10 STANDARD «STANDARDS IN THE CONTEXT OF DIFFERENT SPECIALITIES»

Strengths / Best Practice

- the presence in the accredited EP of disciplines aimed at obtaining students practical experience in the application of theoretical knowledge.
- extension of the academic freedom of the university;
- increasing university science in innovative projects;
- sufficiently good pedagogical conditions (educational environment) have been created

OVERVIEW OF RECOMMENDATIONS FOR IMPROVEMENT OF QUALITY

1 STANDARD «MANAGEMENT OF THE EDUCATIONAL PROGRAM»

- *Increase funding for internships in international universities.*

2 STANDARD «MANAGEMENT OF INFORMATION AND REPORTING»

- *improve the communication mechanism of the EP management with employees and other interested parties.*

3 STANDARD «DEVELOPMENT AND APPROVAL OF EDUCATIONAL PROGRAMME»

- *for EP 7M08103 "Vegetable growing in protected ground" to strengthen the provision of educational and methodological literature in English.*

4 STANDARD «CONTINUOUS MONITORING AND PERIODIC EVALUATION OF EDUCATIONAL PROGRAMME»

- *increased funding for practice managers from enterprises.*

5 STANDARD «STUDENT-CENTERED LEARNING, TEACHING AND PERFORMANCE ASSESSMENT»

6 STANDARD «STUDENTS»

- *development of special programs for adaptation by foreign students.*

7 STANDARD «ACADEMIC TEACHING STAFF»

- *Strengthen work to increase the number of teaching staff with knowledge of a foreign language.*

8 STANDARD «EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM»

- *consider the possibilities of providing the Internet for students free of charge*

9 STANDARD «PUBLIC AWARENESS»

- *conducting advanced training of teaching staff in the field of innovative teaching technologies at the international level.*

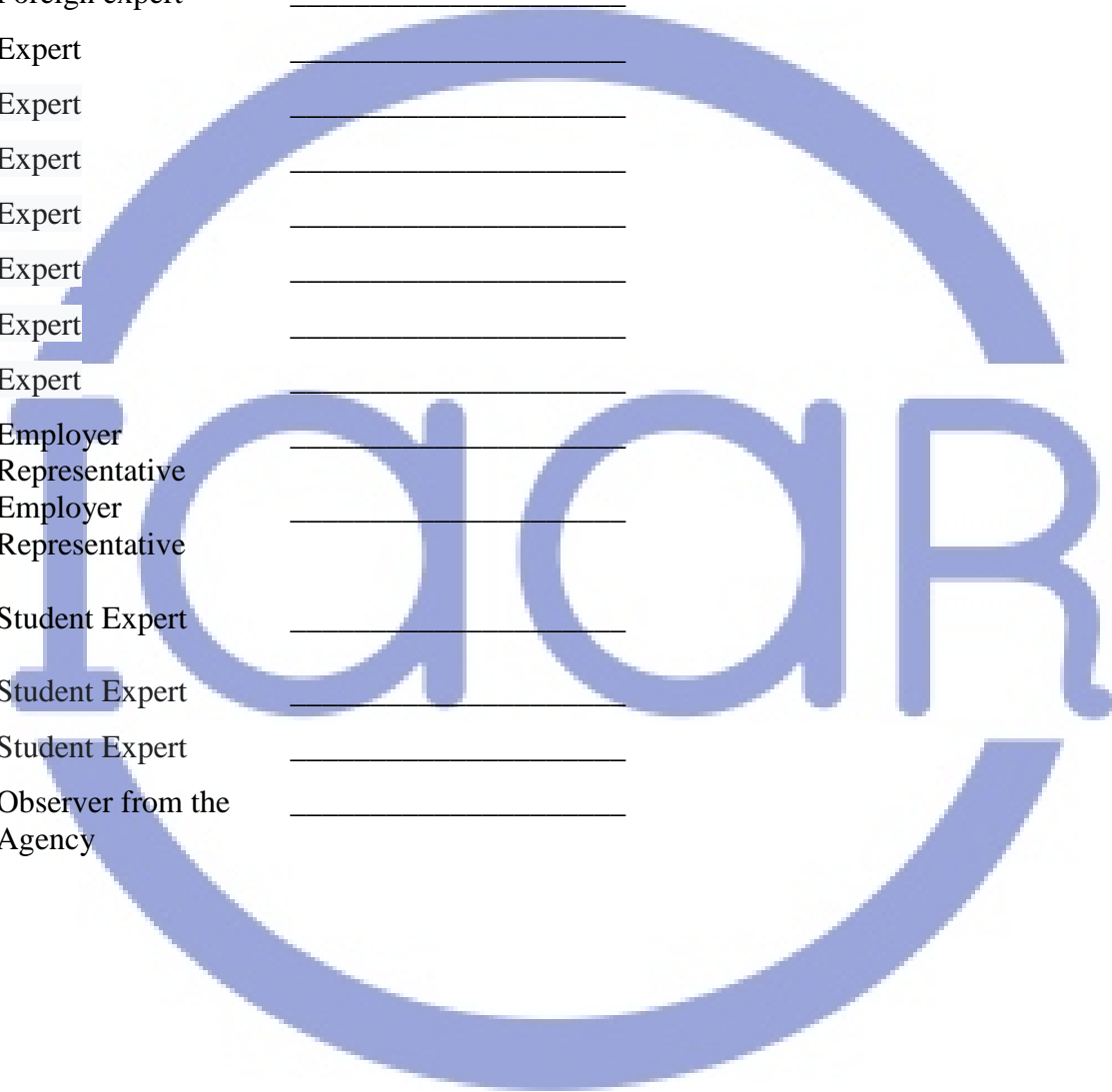
10 STANDARD «STANDARDS IN THE CONTEXT OF DIFFERENT SPECIALTIES»

- *to strengthen vocational guidance work in order to ensure recruitment for the educational program.*

RECOMMENDATION TO THE ACCREDITATION BOARD

The members of the external expert commission came to the unanimous opinion that the educational program 7M08103 "Vegetable growing in protected ground"

Commission chairman _____
Foreign expert _____
Foreign expert _____
Expert _____
Expert _____
Expert _____
Expert _____
Expert _____
Expert _____
Expert _____
Employer Representative _____
Employer Representative _____
Student Expert _____
Student Expert _____
Student Expert _____
Observer from the Agency _____



Appendix 1. Evaluation table
"PARAMETERS OF PREVIOUS SPECIALIZED PROFILE"

№ n/n	№ n/n	Evaluation criteria	The position of the organization of education			
			Strong	Satisfaction	Provides improvement	Unsatisfactory
Standard "Educational program management"						
1	1.	The organization of higher and (or) postgraduate education should have a published policy of quality assurance. Quality assurance policies should reflect the relationship between research, teaching and training.		+		
2	2.	The organization of higher and (or) post-university education should demonstrate the development of a culture of quality assurance, including in the EP.	+			
3	3.	Adherence to quality assurance should be attributed to any activity performed by contractors and partners (outsourcing), including the implementation of joint / dual degree education and academic mobility.		+		
4	4.	The supervision of the EP demonstrates the readiness to ensure the transparency of the development plan of the OP on the basis of the analysis of its functionality, the actual position of the organization of education and the direction of its activities to meet the needs of the state. The plan should contain the deadlines for the implementation of educational programs.	+			
5	5.	The supervision of the EP demonstrates the existing mechanisms of formation and regular review of the plan of development of the EP and monitoring of its implementation, assessment of the objectives of training, compliance with the needs of students, employees and the general public.	+			
6	6.	The supervision of the EP should attract the representatives of the group of interested persons, including employees, trainees and ATS to formulate a plan for the development of the EP.	+			
7	7.	The supervision of the EP must demonstrate the individuality and uniqueness of the plan of development of the EP, its agreement with the national priorities and development strategies of higher and (or) post-educational education.	+			
8	8.	The organization of higher and (or) postgraduate education must demonstrate a clear definition of responsibilities for business processes within the OP, a clear definition of the responsibilities of the staff, the delimitation of the functions of the board.	+			
9	9.	The management of the EP must provide evidence of the transparency of the management system of the educational program.		+		
10	10.	The management of the EP should demonstrate the existing internal quality management systems of the OP, including its design, management and monitoring, their improvement, the adoption of decisions based on the facts.		+		
11	11.	The management of the EP should carry out risk management,		+		

		including the framework of the EP, which conducts primary accreditation, as well as demonstrate the system of measures aimed at reducing the degree of risk.				
12	12.	The supervision of the EP should ensure the participation of representatives of employees, ATS, trainees and other interested persons in the composition of the collegial bodies of the educational program, as well as their representativeness in the implementation of the decision management program		+		
13	13.	organization of education must demonstrate the management of innovations in the framework of EP, including the analysis and implementation of innovation proposals.		+		
14	14.	The EP management should demonstrate proof of readiness for openness and accessibility for students, ATS, employees and other interested persons.		+		
15	15.	The supervision of the EP should conduct training in education management programs.		+		
Total by standard			6	9		
Standard "Information Management and Reporting"						
16	1.	organization of education should demonstrate the availability of cash collection systems, analysis and management of information on the basis of the use of modern information and communication technologies and software, and that uses a variety of methods for the collection and analysis of information.		+		
17	2.	The EP management should demonstrate the current mechanism of systematic use of the processed, adequate information to improve the internal quality assurance system.		+		
18	3.	The supervision of the EP must demonstrate its acceptance of the facts.		+		
19	4.	Within the framework of EP should be provided a system of regular reporting, reflecting all levels of structure, including the evaluation of the effectiveness and efficiency of the activities of the department and the department, scientific research.		+		
20	5.	organization of education must establish the periodicity, forms and methods of evaluation of the management of the EP, the activities of collegial bodies and structural units, higher management, the implementation of scientific projects.	+			
21	6.	organization of education must demonstrate the definition of order and protection of information, including the definition of responsible persons for the reliability and timeliness of analysis of information and the provision of data.		+		
22	7.	An important factor is the availability of mechanisms for the involvement of students, workers and ATS in the process of collection and analysis of information, as well as the adoption of decisions on their basis.		+		
23	8.	The supervision of the EP should demonstrate the existing mechanisms of communication with students, workers and other interested persons, as well as the mechanisms of conflict resolution.		+		
24	9.	organization of education should demonstrate the availability of mechanisms for measuring the degree of satisfaction of the needs of ATS, staffed and trained in the framework of EP.		+		
25	10.	organization of education should provide an assessment of the effectiveness and efficiency of the activity, including the EP.		+		

		The information provided for the collection and analysis in the framework of EP, should be considered:				
26	11.	key performance indicators;		+		
27	12.	the dynamics of the contingent trained in the cutting of forms and species;		+		
28	13.	level of maturity, achievement of students and expulsion;		+		
29	14.	satisfaction with the implementation of the OP and the quality of training in the university;		+		
30	15.	availability of educational resources and support system for students.		+		
31	16.	organization of education must confirm the implementation of the procedure for the processing of personal data of students, employees and ATS on the basis of their documentary agreement.		+		
Total by standard			1	15		
Standard "Development and approval of basic educational programs"						
32	1.	The organization of education should determine and document the procedures for the development of OPs and their approval at the institutional level.	+			
33	2.	The management of the EP must ensure the compliance of the developed EP with the established goals, including the expected results of training.	+			
34	3.	The management of the EP should ensure the availability of developed models of graduates of the EP, describing the results of training and personal qualities.	+			
35	4.	The EP management should demonstrate the conduct of external expertise of the EP and the planned results of its implementation.	+			
36	5.	The qualification assigned at the end of the EP must be clearly defined and correspond to the specified level of the NSC.	+			
37	6.	The supervision of the EP should determine the impact of discipline and professional practice on the formation of learning outcomes.	+			
38	7.	An important factor is the possibility of training students for professional certification.		+		
30	8.	The management of the EP must provide evidence of the participation of students, ATS and other stakeholders in the development of the EP, ensuring their quality.		+		
40	9.	The workload of EP should be sharply defined in Kazakhstani credits and ECTS.	+			
41	10.	The supervision of the EP should ensure the content of educational disciplines and the planned results of the level of training (bachelor's, master's, doctoral).	+			
42	11.	The structure of the EP must provide different types of activities that ensure the achievement of the planned learning outcomes.		+		
43	12.	An important factor is the relevance of the content of EP and the results of training EP, implemented by higher and (or) post-university education in EPO.		+		
Total by standard			8	4		
Standard "Continuous monitoring and periodic evaluation of basic educational programs"						

44	1.	organization of education should determine the mechanisms of monitoring and periodic evaluation of the OP to ensure the achievement of goals and respond to the needs of students and society. The results of these processes should be directed to the constant improvement of EP.		+		
		Monitoring and periodic evaluation of EP should provide:				
45	2.	the content of the program in the light of the latest achievements of science in a specific discipline to ensure the relevance of the discipline taught;		+		
46	3.	changes in the needs of society and the professional environment;		+		
47	4.	load and maturity of students;		+		
48	5.	the effectiveness of the assessment procedure for students;		+		
49	6.	expectations, needs and satisfaction of students trained in EP;			+	
50	7.	educational environment and support services and their compliance with EP objectives.		+		
51	8.	organization of education, the management of EP should determine the mechanism of informing all interested persons about any planned or entrepreneurial activities in relation to EP		+		
52	9.	All changes made to the EP must be published. The management of the EP should develop a mechanism for reviewing the content and structure of the EP with accounting for changes in the labor market, the needs of employers and the social demand of society.	+			
Total by standard			1	7	1	
Standard "Student-centered training, teaching and assessment of success"						
53	1.	The supervision of the EP must provide respect and attention to different groups and their needs, provide them with a flexible training trajectory.		+		
54	2.	EP guidance should provide for the use of different forms and methods of teaching and learning.	+			
55	3.	An important factor is the availability of own research in the field of teaching methods of educational disciplines EP.		+		
56	4.	The EP management should demonstrate the availability of feedback mechanisms on the use of different teaching methods and evaluation of training results		+		
57	5.	The supervision of the EP should demonstrate the existing mechanisms of support for autonomy taught at the same time by the management and assistance from the teacher's side.		+		
58	6.	The EP management should demonstrate the cash flow response procedures to the grievances of the trainees.		+		
59	7.	organization of education should ensure consistency, transparency and objectivity of the mechanism of evaluation of training results for each EP, including appeal.	+			
60	8.	The organization of education should ensure compliance with the procedure for evaluating the results of training of students in the planned results and objectives of the program. Criteria and methods of assessment in the framework of EP should be published in advance.	+			
61	9.	The Organization of Education should be defined mechanisms for ensuring the achievement of each graduate of the OP training results and ensure the fullness of their formation	+			
62	10.	Evaluators should have modern methods of evaluating the results of training and regularly improve their qualifications in this area.	+			

Total by standard			5	5		
Standard "Student"						
63	1.	The organization of education should demonstrate the current policies of the formation of the contingent trained in the EP from the receipt before graduation and ensure the transparency of its procedure. Procedures regulating the life cycle of learners (from completion to completion), must be determined, approved, published.	+			
		The supervision of the EP must determine the order of formation of the contingent of students from:				
64	2.	minimum requirements for entrants;	+			
65	3.	the maximum size of groups during seminars, practical, laboratory and studio classes;		+		
66	4.	forecasting the amount of state grants;			+	
67	5.	analysis of existing material and technical, information resources, human resources;	+			
68	6.	analysis of potential social conditions for students, etc. provision of places in the dormitory.	+			
69	7.	The EP leadership should demonstrate readiness to conduct special adaptation programs and support only those who have received and foreign students.		+		
70	8.	Education organization must demonstrate compliance with the Lisbon Convention.		+		
71	9.	Education organization should cooperate with other educational organizations and national centers "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Information Centers of the Academy of Sciences of thy Republic of Kazakhstan"	+			
72	10.	The supervision of the EP should demonstrate the existing mechanism for the recognition of the results of academic mobility, as well as the results of additional, formal and informal training.	+			
73	11.	the organization of education should provide the opportunity for external and internal mobility of students studying in the OP, as well as the readiness to assist them in obtaining external grants for training.		+		
74	12.	The leadership of the OP should demonstrate the readiness to provide training places for practitioners, facilitating the work of alumni, supporting them with communication.	+			
75	13.	the organization of education should provide the possibility of providing graduates with OP documents confirming the received qualification, including the achieved results of training, as well as the context, content and status of the received education and so on.	+			
76	14.	An important factor is the availability of mechanisms for monitoring the work and professional activities of YP graduates.		+		
Total by standard			8	5	1	
Standard "Academic Teaching staff"						
77	1.	the organization of education must have an objective and transparent personnel policy, including the division of the EP, including hiring, professional growth and staff development, ensuring professional competence of the entire staff.		+		
78	2.	The organization of education should demonstrate the relevance of human resources ATS strategies for the development of NGOs and the specifics of EP.	+			

79	3.	The management of the EP must demonstrate the awareness of their employees and provide them with favorable working conditions.		+		
80	4.	The supervision of the EP should demonstrate the change of the role of the teacher in connection with the transition to student-centered training.		+		
81	5.	the organization of education should determine the contribution of ATS EP in the implementation of development strategies educational organization, and other strategic documents.		+		
82	6.	educational organization should provide opportunities for career growth and professional development of ATS EP.		+		
83	7.	The supervision of the EP should demonstrate the readiness to attract practitioners to the relevant sectors.	+			
84	8.	The organization of education should demonstrate the motivation of professional and personal development of teachers of YP, including support 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 in the framework of EP, attracting the best foreign and domestic teachers.		+		
Total by standard			3	6		
Standard "Educational resources and systems of student support"						
86	1.	the organization of education must guarantee the sufficient amount of educational resources and services to support the teaching and learning objectives of the EP.		+		
87	2.	the organization of education must demonstrate the availability of material and technical resources and infrastructure with the accounting of the needs of different groups in the section EP (adult, working, foreign students).	+			
		The EP management should demonstrate cash procedures to support different groups of students, including information and consultation. The OP leadership should demonstrate the relevance of information resources specific to the EP, including:				
88	3.	technological support for students and ATS in response to educational programs (for example, online training, modeling, data bases, data analysis programs);		+		
89	4.	library resources, including the fund of educational, methodical and scientific literature on general, basic and profiling disciplines on paper and electronic media, periodicals, access to scientific publications;		+		
90	5.	examination of results scientific works, graduation works, dissertations on plagiarism;	+			
91	6.	access to educational Internet resources;		+		
92	7.	functioning of WI-FI in the territory of the organization of education.			+	
93	8.	The company should strive for the use of educational equipment and software, intended for use in the development of educational programs, were analogous to those used in the industry.		+		
Total by standard			2	5	1	
Standard "Public awareness"						
		educational organization must publish reliable, objective, up-to-date information about the educational program and its specifics,				

		which must be included:				
94	1.	expected results of training educational programs;		+		
95	2.	qualification and (or) qualification, which will be awarded at the end of the educational program;	+			
96	3.	approaches to teaching, training, as well as the system (procedures, methods and forms) of evaluation;		+		
97	4.	information on passing balls and educational opportunities provided by students;		+		
98	5.	information on the employment opportunities of graduates.		+		
99	6.	The EP management should provide a variety of ways to disseminate information, including the media, information networks for informing the general public and interested individuals.	+			
100	7.	Public information should provide support and explanation of national programs for the development of countries and systems of higher and post-university education.		+		
101	8.	the organization of education should demonstrate the reflection on the web resource of information, which characterizes it as a whole and in the section of educational programs.	+			
102	9.	An important factor is the availability of adequate and objective information about ATS EP.		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners in the framework of EP.		+		
Total by standard			3	7		
Standards in the cutting of individual specialties						
Total by standard						
NATURAL SCIENCES, AGRICULTURAL SCIENCES, TECHNICAL SCIENCES, AND TECHNOLOGIES						
		Educational programs in the areas of "Natural Sciences", "Technical Sciences and Technologies" must respond to the following requirements:				
104	1.	EP must include disciplines and activities aimed at obtaining practical experience and skills in the whole and profiling disciplines in particular, etc - Excursions to enterprises for specialization (factories, workshops, research institutes, laboratories, educational and experimental farms, etc.), - conduct of separate occupations or general discipline in the enterprise of specialization; - conducting seminars for solving practical tasks, relevant for enterprises in the field of specialization, etc.	+			
105	2.	The teaching staff involved in the education program should include full-time teachers, practitioners who have long experience working as a full-time employee in enterprises in the field of specialization education programs.	+			
106	3.	The content of all disciplines EP should be based on and include a close relationship with the content of fundamental natural sciences.		+		
107	4.	The supervision of the EP should provide measures for the improvement of practical training in the field of specialization.	+			
108	5.	EP leadership should provide training for students in the field of application of modern information technology.		+		

Total by standard	3	2		
Totally	40	65	3	

