



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission on the
assessment of compliance with the requirements of the standards of
primary specialized accreditation (Ex-ante)
of the educational program
8D01502-Physics

NAO "Sarsen Amanzholov East Kazakhstan University"

Date of the visit of the VEC: from "29" to "31" April 2023

INDEPENDENT ACCREDITATION AND RATING AGENCY
External Expert Commission

***Addressed to
Accreditation
Advice IAAR***



REPORT

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Ust-Kamenogorsk

"31" May 2023

(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

AK – Academic Calendar
BD – Basic disciplines
EAAA – External assessment of academic achievements
SAC – State Attestation Commission
TSCSE – The State compulsory standard of education
DET – Distance educational technologies
UNT – Unified National Testing
EHEA – European Higher Education Area
ECTS – European Credit Transfer System
IBK – Information and Library complex
ICT – Information and communication technologies
IC – Individual Curriculum
CC – Component of choice
CT – Comprehensive testing
CTT – Credit Training Technology
CED – Catalog of elective disciplines
MES RK – Ministry of Education and Science of the Republic of Kazakhstan
MEP – Modular Educational Program
Research and development – Research work
RWS – Research work of students
RC – Required component
GED – General education disciplines
EP – Educational programs
PD – Profile disciplines
Teaching staff – Teaching staff
RIEL – Republican Interuniversity Electronic Library
RK – Republic of Kazakhstan
WC – Working Curriculum
QMS – Quality Management System
SVE – Secondary vocational education
IWS – Independent work of students
IWSUGT – Independent work of students under the guidance of a teacher
SC – Standard Curriculum
EMCD – Educational and methodical complex of the discipline
EMD – Educational and Methodical Department
EMC – Educational and Methodological Council

(II) INTRODUCTION

In accordance with Order No. 94-23-OD dated 03/24/2023 of the Director General of the Independent Accreditation and Rating Agency, from May 29 to 31, 2023, an external expert commission evaluated the educational program 8D01502-Physics of the Non-Profit Joint Stock Company "Sarsen Amanzholov East Kazakhstan University" for compliance with the standards of primary specialized accreditation (ex-ante) (from May 25, 2018, No. 68-18/1-OD, first edition).

The report of the external expert commission (EAC) contains an assessment of the quality of the submitted educational programs according to the NAAR criteria, recommendations of the EAC for further improvement of the educational program and the conclusion of the expert commission according to the parameters of the specialized profile (ex-ante).

The composition of the VEC:

Chairman of the VEC – Natalia Olegovna Vereshchagina, PhD, Associate Professor, Russian State Hydrometeorological University

Foreign IAAR expert – Yuri Eduardovich Belykh, PhD, Associate Professor, IAAR Category I expert

National expert of IAAR – Sheripidin Itakhunovich Khamraev, Candidate of Technical Sciences, Professor, Abai Kazakh National Pedagogical University (Almaty, Republic of Kazakhstan)

National expert of IAAR – Turtkarayeva Gulnara Bayanovna, PhD, Kokshetau University named after Sh. Ualikhanov (Kokshetau, Republic of Kazakhstan)

IAAR National Expert – Gulbakhyt Zholdasbekovna Menlibekova, PhD, Professor, L.N. Gumilyov Eurasian National University (Astana, Republic of Kazakhstan)

IAAR National Expert – Movkebayeva Zulfiya Akhmetvalievna, PhD, Professor, Abai Kazakh National Pedagogical University (Almaty, Republic of Kazakhstan)

IAAR National Expert – Valentina V. Bobrova, PhD, Associate Professor, Karaganda University (Karaganda, Republic of Kazakhstan)

National Expert of IAAR – O zgeldinova Zhanar O zgeldinovna, PhD, L.N. Gumilyov Eurasian National University (Astana, Republic of Kazakhstan)

IAAR National Expert – Gulvira Kimovna Shaikova, PhD, Associate Professor, Associate Professor, Toraigyrov University (Pavlodar, Republic of Kazakhstan)

National expert of IAAR – Bekeshev Amirbek Zarlykovich, Ph.D., Associate Professor, Aktobe Regional University named after K.Zhubanov (Aktobe, Republic of Kazakhstan)

IAAR expert, employer – Mukhtarbekova Bakhytzhana Sovetovna, Deputy Director for Educational Work of D.Konaev Lyceum No. 66 (Astana, Republic of Kazakhstan)

IAAR expert, employer – Sandybayeva Dinara Aidarovna, Head of the Pedagogical Department of the North Kazakhstan Vocational Pedagogical College (Petrovsk, Republic of Kazakhstan)

IAAR expert, student – Sagymbekova Elfira Sagymbekkyzy, 2nd year master's student of OP "Technical Physics", D. Serikbayev East Kazakhstan Technical University (Ust-Kamenogorsk, Republic of Kazakhstan)

IAAR expert, student – Zharylkasyn Ulan Rashiduly, 2nd year student of OP "Mathematics", Korkyt Ata Kyzylorda University (Kyzylorda, Republic of Kazakhstan)

IAAR expert, student – Aliyeva Elvira Elshadovna 1st year master's student of the OP "Pedagogy and Psychology", Semey Shakarim University (Semey, Republic of Kazakhstan)

IAAR expert, student – Indira Asylkhanzy, 2nd year master's student of the OP "Special Pedagogy", M.Kozybayev North Kazakhstan University (Petrovsk, Republic of Kazakhstan)

IAAR expert, student – Marganbaeva Sabohat Askarovna, Master's student OP 7M01506-Geography, Kazakh National Women's Pedagogical University, member of the Alliance of

Students of Kazakhstan (Almaty, Republic of Kazakhstan)

IAAR expert, student – Dmitrieva Kristina Valeryevna, 1st year master's student of OP 7M01702 "Russian language and Literature", Pavlodar Pedagogical University named after Alkey Margulan (Pavlodar, Republic of Kazakhstan)

IAAR expert, student – Gulden Sansyzbaevna Zhumabekova, 2nd year master's student of Physics, NAO "Toraigyrov University" (Pavlodar, Republic of Kazakhstan)

The coordinator of the IAAR VEC is Dinara Kairbekovna Bekenova, the head of the IAAR project (Astana, Republic of Kazakhstan).



(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

Non-profit Joint Stock Company "Sarsen Amanzholov East Kazakhstan University" (hereinafter - the University), being a subject of the national system of higher professional education of Kazakhstan, positions itself as one of the leading educational, scientific, methodological and cultural centers of the Eastern region of the country. The University provides a wide range and high quality of educational services, using new teaching technologies and expanding the base of scientific research of the teaching staff of the departments.

The formation and development of the University dates back 71 years, since 1952. Over the years of its existence, the University has trained more than 61 thousand specialists who successfully work in the Presidential Administration, the Government of the Republic of Kazakhstan, akimats, head large enterprises, courts, schools and colleges, are well-known scientists, public, cultural and political figures, both in Kazakhstan and abroad.

The University has introduced and is constantly improving the credit technology of education in all educational programs and forms of study. The training is conducted, according to the Bologna process, according to a three-stage model: bachelor's degree – master's degree – doctoral degree.

The University is a member of 9 international associations, actively participates in international and national rankings of universities and educational programs, occupies a leading position among multidisciplinary universities of the Republic of Kazakhstan.

The high quality of the University's educational services has been repeatedly confirmed by the results of various ratings conducted by independent agencies and services.

In the international ranking of higher education institutions "QS Asia University Rankings", S.Amanzholov VCU occupies the 401-450 position (among 32 universities of Kazakhstan it occupies the 16th place).

In the National Ranking of the best multidisciplinary universities of Kazakhstan – 2022, conducted by the Independent Agency for Quality Assurance in Education (NAOKO, IQAA), the S.Amanzholov VCU ranks 6th.

In the National Ranking of demand for universities of the Republic of Kazakhstan - 2022, conducted by the Independent Accreditation and Rating Agency (NAAR, IAAR) VKU named after S. Amanzholov takes the 6th place.

In the rating of educational programs of universities – 2022, conducted by the NCE RK "Atameken", 38 educational programs of the S.Amanzholov VCU were included in the rating, 14 OP entered the top ten.

The University has successfully passed the institutional accreditation, accredited for a period of 5 years by NAOKO (certificate IA-A No.0104 dated May 27, 2019). The validity of the certificate: May 27, 2019-May 24, 2024

Educational activities of the NAO "Sarsen Amanzholov East Kazakhstan University" for bachelor's and master's degree programs are carried out on the basis of the Law "On Education" of the Republic of Kazakhstan dated July 27, 2007, the state license for educational activities No. KZ74LAA00018463 dated July 22, 2020, issued by the Republican State Institution "Committee for Quality Assurance in Education and Science of the Ministry of Education and Science sciences of the Republic of Kazakhstan" G. Astana and is regulated by the Charter of the University (approved by the Chairman of the State Property and Privatization Committee of the Ministry of Finance of the Republic of Kazakhstan (Order No. 304 dated 21.05.2020), the Academic Policy of the Sarsen Amanzholov East Kazakhstan University (third edition, approved by the Academic Council on 27.08.2020), the Development Program of the S. Amanzholov East Kazakhstan University for 2020-2025 (approved by the decision The Board of Directors of NAO "Sarsen Amanzholov VCU").

Mission: ensuring the leading role of the University in the international, national scientific and educational space for the formation of competitive specialists for the innovative development of Kazakhstan.

The strategic vision of the University assumes that by 2025 it will be clearly positioned in the main areas of training competitive personnel, among the 5 leading Kazakh multidisciplinary universities. This should allow the university to stand on a par with universities that have a recognizable brand, and ensure recognition in the global university space.

The educational program 8D01502-Physics belongs to the field of education 8D01 – Pedagogical sciences, code and classification of training areas 8D015 Training of teachers in natural science subjects, group of educational programs D011 Training of teachers of physics.

The department provides training in accordance with the requirements of the State mandatory Standard of Education of the Republic of Kazakhstan. Graduates of accredited educational institutions can work at enterprises and organizations of various forms of ownership, developing, implementing and using educational institutions of state and non-state financing.

Doctoral students are trained in the state language. Full-time training, with the use of DOT. The standard training period is 3 years.

The contingent of students on OP 8D01502-Physics - 3. (Nurizinova M.M. – set 2020-2023. Anas B.M., Salykov R.M., - set 2021-2024)

The degree in the direction of OP 8D01502-Physics is 100%.

The educational program 8D01502-Physics is implemented by 6 teachers from the university and faculty of the department:

-Skakov M.K., Ph.D., Professor, academician of the Treasury, the best teacher of the university – 2022;

-Sakenova R.E. PhD doctor, head of the department, the best lecturer of the university 2022.;

-Yerbolatuly D., Ph.D., Professor of the Department of Physics and Technology;

-Sagdoldina Zh.B., PhD Doctor, Associate Professor of the Department of Physics and Technology;

-Sakharieva S.G., PhD, Associate Professor of the Department of Pedagogical Education and Management;

-Alimkhan A.A. – Ph.D., Associate Professor of the Department of Kazakh, Russian Philology and Journalism.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Educational program 8D01502-Physics is accredited by IAAR for the first time.

(V) DESCRIPTION OF THE VEC VISIT

The work of the VEC was carried out on the basis of the Visit Program agreed by the Rector of the Non-Profit Joint Stock Company "Sarsen Amanzholov East Kazakhstan University" and approved by the Director General of IAAR on May 16, 2023 using a hybrid model of specialized and primary specialized accreditation of educational programs of the Non-Profit Joint Stock Company "Sarsen Amanzholov East Kazakhstan University".

In order to coordinate the work of the VEC, an introductory meeting was held on May 26, 2023, during which powers were distributed among the members of the commission, the schedule of the visit was clarified, and an agreement was reached on the choice of examination methods.

In order to obtain objective information about the quality of educational programs and the entire infrastructure of the university, clarification of the content of self-assessment reports was held with the Rector, vice-rectors in areas of activity, heads of structural divisions, heads of departments, heads of OP, members of academic committees, teachers, students, graduates. A total of 171 representatives took part in the meetings (table 1).

Table 1 - Information about employees and students who took part in meetings with the IAAR VEC

Category of participants	Quantity
Chairman of the Management Board-Rector	1
Vice-Rectors, Board members	1
Heads of structural divisions	18
Deans of higher schools	3
Heads of OP, heads of departments	17
Teachers	32
Students, undergraduates	41
Graduates	31
Employers and representatives of the practice base	27
Total	171

During the visual inspection, the members of the VEC got acquainted with the state of the material and technical base, visited the laboratories: SIC "Surface Engineering and Tribology" (S.Amanzholov VCU, 148 Shakarim Str., Building 7, No. 121, 121f, 121d), National Scientific Laboratory for Collective Use (S.Amanzholov VCU, 148 Shakarim Str., building 7, №110, №119, №113, №114), PlasmaScience LLP (37 Serikbaeva Str., office No. 207), as well as the Laboratory of Mechanics and Molecular Physics, Optics and Astronomy, Atomic and Nuclear Physics, Electricity and Magnetism, the Methodology of teaching physics "STEAM" Laboratory.

At the meetings of the VEC NAAR with the target groups of the university, the mechanisms for implementing the university's policy were clarified and the specification of individual data presented in the university self-assessment report was carried out.

VEC members visited the practice bases of accredited programs: Municipal State Institution "Shokan Ualikhanov Lyceum School No. 3" of the East Kazakhstan Region Education Department, Municipal State Institution "School Center for Additional Education No. 48" of the Ust-Kamenogorsk Education Department of the East Kazakhstan Region Education Department, RIPKSO "Orleu".

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

In accordance with the accreditation procedure, a survey was conducted of 58 teachers, 252 students, including junior and senior students.

In order to confirm the information provided in the Self-assessment Report, external experts requested and analyzed the working documentation of the university. Along with this, the experts studied the Internet positioning of the university through the official website of the university ([https://www.vku.edu.kz /](https://www.vku.edu.kz/)).

As part of the planned program, recommendations for improving accredited educational programs of the Non-Profit Joint-Stock Company "Sarsen Amanzholov East Kazakhstan University", developed by the VEC based on the results of the examination, were presented at a meeting with the management on 05/31/2023.

(VI) COMPLIANCE WITH THE STANDARDS OF PRIMARY SPECIALIZED ACCREDITATION

Standard 1. "Educational program management"

- ✓ *The organization of higher and (or) postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the relationship between research, teaching and learning.*
- ✓ ☐ *The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of OP.*
- ✓ *Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.*
- ✓ *The management of the OP demonstrates its readiness to ensure transparency in the development of the OP development plan based on an analysis of its functioning, the real positioning of the NGO and the orientation of its activities to meet the needs of the state, employers, students and other interested persons. The plan should contain the deadlines for the start of the educational program.*
- ✓ *The management of the OP demonstrates the existence of mechanisms for the formation and regular revision of the development plan of the OP and monitoring its implementation, assessing the achievement of training goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the OP.*
- ✓ *The management of the OP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of the development plan of the OP.*
- ✓ *The management of the educational institution must demonstrate the individuality and uniqueness of the development plan of the educational institution, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education.*
- ✓ *The organization of higher and (or) postgraduate education must demonstrate a clear definition of those responsible for business processes within the framework of the OP, an unambiguous distribution of staff duties, and the differentiation of functions of collegial bodies.*
- ✓ *The management of the educational institution must provide evidence of the transparency of the educational program management system.*
- ✓ *The management of the OP must demonstrate the existence of an internal quality assurance system of the OP, including its design, management and monitoring, their improvement, and fact-based decision-making.*
- ✓ *The management of the OP should carry out risk management, including within the framework of the OP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.*
- ✓ *The management of the educational institution should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.*
- ✓ *The NGO should demonstrate innovation management within the framework of the OP, including the analysis and implementation of innovative proposals.*
- ✓ *The management of the OP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested persons.*
- ✓ ☐ *The management of the OP should be trained in educational management programs.*

The evidentiary part

The activities of the NAO "Sarsen Amanzholov East Kazakhstan University" (hereinafter referred to as the University), whose educational activities are carried out in accordance with the regulatory legal acts of the Republic of Kazakhstan and the regulatory documents of the Ministry of Education and Science of the Republic of Kazakhstan in the field of higher education: the Law of the Republic of Kazakhstan "On Education" dated 27.07.2007 (as amended, dated 01.04.2019 No. 240-VI); The State General Education Standard of the Republic of Kazakhstan, approved by Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604; Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 152 dated 20.04.2011. "On the approval of the Rules for the organization of the educational process on credit technology of training".

The mission is to ensure the leading role of the University in the international, national scientific and educational space for the formation of competitive specialists for the innovative development of Kazakhstan.

The contingent of students at the University is 7607 people. The university's education is conducted in the state, Russian and English languages. The University is a member of 9 international associations, actively participates in international and national rankings of universities and educational programs, occupies a leading position among multidisciplinary universities of the Republic of Kazakhstan.

Educational activities of the NAO "Sarsen Amanzholov East Kazakhstan University" are carried out on the basis of the Law "On Education" of the Republic of Kazakhstan dated July 27, 2007, the state license for educational activities No. KZ74LAA00018463 dated 07/22/2020, issued by the Republican State Institution "Committee for Quality Assurance in the Field of education

and Science of the Ministry of Education and Science of the Republic of Kazakhstan" in Astana and regulated by the Charter of the University (approved by the Chairman of the State Property and Privatization Committee of the Ministry of Finance of the Republic of Kazakhstan (Order No. 304 of 21.05.2020) (on the website <https://www.vku.edu.kz> section "About us", subsection "Fundamental documents").

The VEC notes that the mission, strategic goals and objectives of the university are formulated on the basis of material and financial resources, human and intellectual potential, assessment of the possibilities of their implementation, as well as taking into account the analysis of the external market situation.

All documents regulating the academic activities of the university, and, above all, its Academic Policy (approved at the meeting of the Academic Council of the Sarsen Amanzholov VCU on December 27, 2018, Protocol No. 6), are posted on the University's website in the "Education" section, <https://www.vku.edu.kz>.

Monitoring of the implementation of the development strategy is carried out on an ongoing basis. The monitoring results in reports on the areas of activity and on the whole of the entire university, which are considered at meetings of the Academic Council.

Evaluation of the effectiveness of the OP is carried out on the basis of monitoring the main performance indicators and deadlines for the implementation of planned activities, the results of which are discussed at meetings of departments, the Academic Council and the Rector's Office. The decisions taken at the meetings of the above-mentioned collegial bodies are brought to the attention of interested persons, questions about the implementation of the decisions taken are regularly heard.

The University introduces additions to the strategic objectives of the University on an ongoing basis and changes in external factors.

The members of the VEC were convinced that the university has developed a quality assurance policy aimed at continuous improvement of the educational process, research activities, and the implementation of innovative projects. This policy is based on the mission, vision and values of the university.

The main directions of the development plans of the accredited Educational Program 8D01502-Physics have been developed in accordance with the Development Strategy of the Republic of Kazakhstan until 2050.

A feature of OP 8D01502-Physics are:

- orientation in the development, implementation and evaluation of the OP on the competencies of graduates as learning outcomes;
- development of international cooperation with universities and enterprises;
- development of close ties with the enterprises of the region.

The University ensures the awareness of stakeholders and transparency of the content of the main strategic documents and development plans of the OP, conducts a public discussion with representatives of all interested parties, discussion at collegial bodies.

For the development of the OP, an Academic Council was created, which, along with teachers, graduates and students of the university, includes representatives of partner employers. The minutes of the meetings of the Academic Council were presented. Teaching staff, partners and employers, as well as students take part in the development and updating of accredited OP. The following persons and organizations take part in the formation and revision of the OP development plan:

- OP 8D01502-Physics Filatova Olga Nikolaevna - director of KSU "Secondary school No. 32" Akimat of Ust-Kamenogorsk, Mazhinova Chinar Tylegenovna - Director of the KSU "School Center for Additional Education No. 48" of the Akimat of Ust-Kamenogorsk, Serikbaeva Aliya Yelgazynovna - director of KSU "Secondary school No. 45" of the Akimat of the city Ust-Kamenogorsk, Khamitzhanova Aiman – physics teacher of KSU "Secondary School No. 20" named after A. Baitursynov, Tusupzhanov Aydin Eleusizovich – physics teacher Nazarbayev Intellectual School of Chemical and Biological direction, Zhumanova Gauhar Sailaubekovna -

Deputy Director for educational and methodological work of the branch of JSC "NCPC "Orleu" IPK PR in East Kazakhstan region, Candidate of Pedagogical Sciences. Graduates of past years Eskeldi Doszhan - physics teacher Nazarbayev Intellectual School of chemical and Biological direction, Rodionov I.M. – KSU "Complex Predgornenskaya secondary school -kindergarten", Amirova Zhuldyz Muratkyzy – KSU "Progresovskaya secondary school", Progress village, Glubokovsky district, physics teacher. Students of OP 6B01502 - "Physics" Ardak A., Kazhybek A.O., Anas B.M.

The individuality and uniqueness of the accredited educational program lies in its orientation to the labor market of the region, the availability of elective courses that complement the main disciplines commissioned by the employers of the region. The proposals reflected in the reviews of the OP and the recommendations of the employers of the faculty of the department are implemented in the elective courses of the OP.

The focus of the OP on the development of professional skills is realized through constant monitoring of the quality of teaching updated disciplines and compliance of learning outcomes with the requirements stated in the graduate models.

Analytical part

The analysis carried out by the commission showed that the Quality Assurance Policy complies with the current legislation of the Republic of Kazakhstan in the field of education and science, strategic and program documents.

At the same time, the WEC notes the need to develop the OP as an individual and unique plan, consistent with national development priorities and the development strategy of the educational organization, as well as transparency of the educational program management system.

Commitment to quality assurance should apply to any activity performed by the NGO. The report does not reflect such activities as outsourcing. What types of activities have been or will be outsourced? What types of activities are carried out by contractors and partners? What are the requirements for them? In what documents are these requirements fixed? How is their compliance monitored?

In the case of the development of a common procedure, the management of the OP will need to adjust the Development Plans of accredited programs.

Despite the fact that the mission, goals, objectives and quality assurance policy are publicly available on the university's website, as a result of interviews, the commission revealed that teachers and students are not sufficiently aware of the content of these documents. Also, the members of the VEC note insufficient risk management at the level of the OP, individual departments and other structural divisions of the university.

There are no effective innovation management mechanisms within the framework of the OP, including the analysis and implementation of innovative proposals.

During the planned meetings with students and teachers, experts note the weak feedback of the university management with students and teaching staff. As a result of the analysis, in general, the experts were convinced of the consistency of the strategic goals of the university, the adequacy of the mission, vision, strategy to the available resources: financial, informational, personnel, which is confirmed by the results of the survey of students:

- 86.9% of students expressed satisfaction with the financial and administrative services of the educational institution, partial satisfaction – 12.3% of students;
- 87.3% of students expressed satisfaction with the content and information content of the website of educational organizations in general and faculties (schools) in particular;
- 92.9% of students expressed satisfaction with the quality of the educational program as a whole, 6.3% of students expressed partial satisfaction.

Strengths/Best practice on OP 8D01502-Physics:

- The management of the OP ensures the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the

educational program, as well as their representativeness in making decisions on the management of the educational program.

VEC recommendations for OP 8D01502-Physics:

- To develop an innovation management mechanism within the framework of the OP, including the analysis and implementation of innovative proposals until 01.12.2023.
- To train the management of the OP in the field of risk management and implement risk management at the level of structural units, processes and OP until 01.01.2024.
- To ensure the adjustment of OP development plans in accordance with the documented procedure for their development until 12/30/2023.

Conclusions of the VEC by criteria:

According to the standard "Educational Program Management", 15 criteria are disclosed, of which according to OP 8D01502-Physics 1 has a strong position, 12 – satisfactory, 2 – require improvement.

Standard 2. Information management and reporting

The university should ensure the functioning of the information collection, analysis and management system based on modern information and communication technologies and software.

The OP management demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system.

The management of the OP demonstrates the existence of a reporting system reflecting the activities of all structural divisions and departments within the framework of the OP, including an assessment of their effectiveness.

The university should determine the frequency, forms and methods of assessing the management of the OP, the activities of collegial bodies and structural units, and top management.

The university must demonstrate a mechanism for ensuring the protection of information, including the identification of responsible persons for the accuracy and timeliness of information analysis and data provision.

The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.

The management of the OP should demonstrate the availability of communication mechanisms with students, employees and other stakeholders, including conflict resolution.

□ The university must ensure the measurement of the degree of satisfaction of the needs of students, teaching staff and staff within the framework of the OP and demonstrate evidence of the elimination of the detected shortcomings.

The university should evaluate the effectiveness and efficiency of its activities in the context of the OP.

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

key performance indicators;

dynamics of the contingent of students in the context of forms and types;

academic performance, student achievements and expulsion;

satisfaction of students with the implementation of the OP and the quality of education at the university;

availability of educational resources and support systems for students;

employment and career growth of graduates.

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

The management of the OP should help to provide the necessary information in the relevant fields of sciences.

The evidentiary part

Information management, including collection and analysis, is not poorly used at the university. In the management of the main processes of the university (educational, methodological, scientific, educational), the following administrative documents are used: decisions of collegial management bodies, orders of the rector and orders of vice-rectors in areas of activity, documents for students (orders for personnel, students, undergraduates), planning, analytical, reporting, etc.

The university uses an adequate information processing system to improve the internal quality assurance system. The system of regular reporting at all levels of the organizational structure is implemented at a satisfactory level.

Information management takes place within the framework of the official portal <https://www.vku.edu.kz>. The portal provides information and communication for students, teachers and other interested persons. The site provides information about the management of educational, methodological, scientific, educational processes, there are web pages of individual departments: faculties, departments, personal pages of teaching staff. Sections of the site are focused on various categories of users: applicants, students, masters, doctoral students and teaching staff. The site has a modern dynamic design, information is published in three languages, there are all standard bookmarks such as: the rector's blog, a news section with posted video content, there are university representative offices in social networks.

The University has implemented the following information collection, analysis and management systems based on the use of modern information and communication technologies and software:

Information management within the framework of the official portal of the university <https://www.vku.edu.kz>.

The University implements information management processes, including the collection and analysis of information: there is an Information Technology and Digitalization Center, which is responsible for providing information to the university's activities and forming a positive public opinion through the media about the activities of the Sarsen Amanzholov VCU, an information website <http://ais.vku.edu.kz/vkgu/>, an information and educational portal, as well as a support system the educational process of the credit technology "AIS VCU".

The university has opened a Student Service Center "PARASAT", focused on the implementation of the state program "Digital Kazakhstan", the purpose of which is to provide students with administrative, advisory services on the principle of "one window" based on high standards of service.

The library management information system includes the library's website, an electronic catalog in the IRBIS system, as well as access to library resources: RMEB (Republican Interuniversity Electronic Library of Kazakhstan), scientometric databases Web of Science Core Collection and Scopus, the Russian Scientific citation Index eLibrary (RSCI).

All of these systems demonstrate the presence of a mechanism for communication with students and other interested parties.

The university has implemented a rating assessment of the effectiveness of the teaching staff, which is used to stimulate educational and scientific activities.

The safety of information is ensured by the distribution of roles and functions in the used IS, the presence of installed antivirus programs in computer classes, and system administration of servers.

The reporting system includes annual reports of structural divisions, research and development reports, and financial statements.

The information and feedback system is aimed at students and employees, and includes information stands at departments, the functioning of the official website of the university in three languages.

The analysis carried out by experts showed that the main forms of resolving possible conflicts at the university are:

- boxes of complaints and suggestions placed in each academic building;
- the rector's blog posted on the university's website;
- survey of students, teaching staff and employers.

Experts have found that teaching staff, students and employers are involved in the processes of collecting and analyzing information by means of questionnaires, interviewing, and making decisions based on them during meetings of departments, round tables, faculty UMS, UMS and the Academic Council of the University.

Analytical part

During the visit to the university, the experts analyzed the structure and volume of information collected, sources, frequency, responsible persons for reliability and timeliness

determined by the internal regulatory documentation of the university, job descriptions of heads of departments. In all departments of the university, office work is conducted in accordance with the approved nomenclature of cases, the preservation and archiving of documents is ensured. Operational familiarization of performers with the information is carried out through the mailing list in the electronic document management system in the local network. The management of accredited OP is working to provide the site with information on the topics of the section.

During the analysis of the functioning of the university's information site, experts revealed the placement of irrelevant, outdated information about the activities of the OP, there is a lack of periodicity and analysis and application of the processed information for decision-making and improving the quality of the educational program. There is no systematic presentation of information. Using the results of the analysis will help to make timely corrective actions for improvements and remain competitive in the market of educational services

Information and library resources are available to all students and teaching staff of the cluster.

The results of the survey showed that:

- Informing students about courses, educational programs and the academic degree received expressed full satisfaction – 89.3%, partial satisfaction – 9.5% of students;

- Information support and explanation before entering the university of the rules of admission and the strategy of the educational program (specialty) expressed full satisfaction – 90.5%, partial satisfaction – 8.3% of students, partially dissatisfied – 0.8% of students;

- 94.8% expressed full satisfaction with the quality of services provided in libraries and reading rooms, 4% of students expressed partial satisfaction;

- 88.1% expressed full satisfaction with the availability of counseling on personal problems, 11.5% of students expressed partial satisfaction;

- Relations with the dean's office (school, faculty, department) expressed full satisfaction – 90.9%, partial satisfaction – 8.7% of students.

Strengths/Best practice according to OP 8D01502-Physics:

There are no strengths.

VEC recommendations for OP 8D01502-Physics:

- The management of the educational program until 01.09.2023 needs to collect and analyze up-to-date information about the activities of the OP, publish it on the website and systematically update the information.

Conclusions of the VEC by criteria:

According to the Information Management and Reporting standard, 16 criteria have been disclosed, of which according to OP 8D01502-Physics 0 has a strong position, 16 – satisfactory, 0 – require improvement.

Standard 3. Development and approval of the educational program

The university must demonstrate the existence of a documented procedure for the development of an OP and its approval at the institutional level.

The university must demonstrate compliance of the developed OP with the established goals and planned learning outcomes.

The management of the OP should determine the impact of disciplines and professional practices on the formation of learning outcomes.

The university demonstrates the existence of a graduate model of an OP describing learning outcomes and personal qualities.

The qualification assigned upon completion of the OP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA.

The management of the OP should demonstrate the modular structure of the program based on ECTS, ensure that the structure of the content of the OP meets the goals set with a focus on achieving the planned learning outcomes for each graduate.

The management of the educational institution should ensure that the content of academic disciplines and learning outcomes correspond to each other and to the level of study (bachelor's, master's, doctoral studies).

The management of the OP must demonstrate the conduct of external examinations of the OP.

The management of the OP must provide evidence of the participation of students, teaching staff and other stakeholders in the development and quality assurance of the OP.

The management of the OP should demonstrate the uniqueness of the educational program, its positioning in the educational market (regional/national/ international).

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

An important factor is the presence of joint(s) and/or double-degree OP with foreign universities.

The evidentiary part

Educational programs of OP 8D01502-Physics are developed in accordance with the requirements of regulatory documents of the Ministry of Education and Science of the Republic of Kazakhstan, national and industry qualifications framework, professional standards, based on the analysis of the labor market and recommendations of employers. Educational programs are aimed at learning outcomes and are built on a modular principle and developed in accordance with the requirements of the SES, approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated August 23, 2012 No. 1080 "On approval of state mandatory standards of education of appropriate levels of education", from 2019 - in accordance with the requirements of the SES, approved by Order No. 604 of 31.10.2018 "On the approval of the state mandatory standards of education at all levels of education".

According to the regulations on the development and implementation of higher education standards, the university independently develops and approves the training of doctoral students on the basis of the SES in accordance with the National Qualifications Framework, professional standards and agreed with the Dublin Descriptors and the European Qualifications Framework.

The review and approval of the OP takes place at the department, is recommended by the decision of the Council of Higher Education and approved by the decision of the Academic Council of the University.

At the program design stage, graduate departments determine graduate models. The model is a set of knowledge, skills and experience of their application in practice, integrated into professional and universal competencies that graduates should have at the time of graduation from the program. Employers, teaching staff and students are involved in the development of the graduate model. Verification and validation of the graduate model takes place through expert evaluation carried out by employers and consumers.

Doctoral students undergo various training seminars and participate in international and scientific-practical conferences for the purpose of personal and professional growth.

OP 8D01502-Physics received an expert opinion from the faculty of the Department of General and Experimental Physics of the Altai State University, Director of the KSU "School-Center for Additional Education No. 48" of the Ust-Kamenogorsk Department of Education of the East Kazakhstan Region.

The evidence of stakeholders' participation in the development of the OP is the reviews on the introduction of new disciplines into the curriculum of the OP. Employers are members of the state attestation commission, have the opportunity to determine the level of training of graduates.

Analytical part

Analyzing the standard "Development and approval of the educational program", the commission came to the conclusion that the accredited areas take into account the final goals of postgraduate education, which are aimed at mastering professional competencies, in accordance with the requirements of the standard, as well as the acquisition of knowledge, skills and abilities necessary for the implementation of future professional activities.

The VEC Commission notes that reviewers for the OP were considered and discussed at a meeting of the Department of Physics and Technology. The main criterion for selecting a reviewer was independence, extensive practical experience in the preparation of graduates of the OP, knowledge of information and requirements of the labor market. The relevance of the OP is confirmed by a review from an external reviewer (for example, Plotnikov V.A., Ph.D., Professor,

Head of the Department of General and Experimental Physics of the Altai State University, Shimko E.A., Ph.D. Associate Professor of the Department of General and Experimental Physics of the Altai State University, Makarov S.V., PhD, Dean of the Institute of Digital Technologies, Electronics and Physics) and an internal review (for example, Ch.T. Mazhinova, Director of the KSU "School-Center of Additional Education No. 48" of the Department of Education in the city of Ust-Kamenogorsk Department of Education of East Kazakhstan region.

The evidence of stakeholders' participation in the development of the OP is the reviews on the introduction of new disciplines into the curriculum of the OP. Employers are members of the state attestation commission, have the opportunity to determine the level of training of graduates.

The results of mastering the OP are determined by the competencies acquired by the graduate, i.e. his ability to apply knowledge, skills and personal qualities in accordance with the tasks of professional activity.

Experts note that educational programs are fully provided with RUP, syllabuses developed in accordance with regulatory documents, the content of which meets the specifics of educational programs. The types of independent work of students, their labor intensity in hours, the form and timing of control are regulated in the relevant sections of the syllabus for each discipline. The content of the working curricula reflects the specifics of the OP.

At the same time, the management of the OP does not carry out work on preparing students for professional certification.

The survey of students conducted during the visit of the VEC showed:

93.3% of students expressed satisfaction with the quality of educational programs in the OP, partial satisfaction – 6% of students;

91.7% of students expressed satisfaction with the teaching methods in general, 7.9% of students expressed partial satisfaction;

88.9% of students expressed satisfaction with the speed of responding to feedback from teachers on the educational process, 9.1% of students expressed partial satisfaction.

Strengths/Best practice on OP 8D01502-Physics:

The management of the OP demonstrated the conduct of external examinations of the content of the OP and the planned results of its implementation.

VEC recommendations for OP 8D01502-Physics:

- To ensure the preparation of students for professional certification under an accredited educational program until 01. 2024.

Conclusions of the VEC by criteria:

According to the standard "Development and approval of an educational program", 12 criteria are disclosed, of which according to OP 8D01502-Physics 1 has a strong position, 11 – satisfactory, 0 – require improvement.

Standard 4. Continuous monitoring and periodic evaluation of the educational program

- ✓ *The university should ensure the revision of the structure and content of the OP, taking into account changes in the labor market, the requirements of employers and the social request of society.*
- ✓ *The university must demonstrate the existence of a documented procedure for monitoring and periodic evaluation to achieve the goal of the OP and continuous improvement of the OP.*
- ✓ *Monitoring and periodic evaluation of the OP should consider:*
- ✓ *the content of the program in the context of the latest achievements of science and technology in a particular discipline;*
- ✓ *changes in the needs of society and the professional environment;*
- ✓ *workload, academic performance and graduation of students;*
- ✓ *effectiveness of student assessment procedures;*
- ✓ *needs and degree of satisfaction of students;*
- ✓ *compliance of the educational environment and the activities of support services with the goals of the OP.*

- ✓ *The management of the OP should publish information about changes to the OP, inform interested parties about any planned or undertaken actions within the framework of the OP.*
- ✓ *Support services should identify the needs of various groups of students and their degree of satisfaction with the organization of training, teaching, evaluation, and mastering of the OP as a whole.*

The evidentiary part

The University continuously monitors the quality of education to identify the degree and completeness of the implementation of educational standards, the compliance of the operational objectives of the University with the strategic requirements imposed on the specialist by the labor market, the level of teachers' ability to train a competitive specialist. To monitor and periodically evaluate its educational programs, the University uses the following methods as intra-university control: certification of the current academic performance of students, final certification, certification of all types of practice, checking the state of methodological support of the educational process, collecting and analyzing data on customer satisfaction.

The system for monitoring the implementation of plans for the development of accredited OP includes the following mechanisms:

- annual reports of the graduating department and faculty;
- annual reports of teachers of the department;
- results of internal audits;
- consideration of issues related to the development of various areas of specialist training at meetings of collegial bodies.

The internal environment of the OP is:

- results of monitoring and execution of processes;
- assessment of staff satisfaction;
- results of surveys of students, employers, applicants;
- results of rating assessments.

The external environment of the OP is:

- interaction with enterprises and organizations of the city and the region on the organization of educational and professional practices, employment, research and initiative work;
- interaction of the department with educational institutions of the city and region;
- carrying out various events positioning specialties.

The list of stakeholders of the OP includes stakeholders, graduates, teaching staff of the department. Familiarization of all interested parties is carried out, in particular, in the process of joint interactions, as well as during the development of the OP. Educational programs are aimed at meeting the needs of the state, interested persons: employers of the East Kazakhstan region, students and their parents.

The educational process at the University is regulated by internal regulatory and methodological documents developed on the basis of the requirements of the Ministry of Education and Higher Education of the Republic of Kazakhstan.

Analytical part

The members of the VEC confirm that regular monitoring and periodic evaluation of the OP is carried out at the Department of the OP, those responsible for reviewing the content and structure of the OP are identified, taking into account changes in the labor market, employers' requirements and the social request of society.

The content of the QED OP is updated annually on the recommendation of employers. However, experts, based on the results of meetings with employers and graduates, note that not all interested persons are informed about the planned or taken actions in relation to accredited OP. The changes made by the OP are not always published on the portal.

Experts note that in the course of regular monitoring and periodic evaluation of the OP by the university, the workload, academic performance and graduation of students are taken into account, which is confirmed by the content of the educational portal. However,

informing all interested parties about any planned or taken actions regarding the OP is not always reflected on the University's website.

The survey of students conducted during the visit of the VEC showed:

The course program was clearly presented, 87.7% of students expressed satisfaction, partial satisfaction – 9.9% of students;

The course content is well structured, 84.9% of students expressed satisfaction, partial satisfaction – 13.1% of students.

Strengths/Best practice according to OP 8D01502-Physics:

There are no strengths.

VEC recommendations for OP 8D01502-Physics:

- To carry out timely informing of students and employers about all planned and undertaken changes in the OP by publishing news information on the university's website (constantly).

Conclusions of the VEC by criteria:

According to the standard "Continuous monitoring and periodic evaluation of educational programs", 10 criteria are disclosed, of which according to OP 8D01502-Physics 0 has a strong position, 9 is satisfactory, 1 requires improvement.

Standard 5. Student-centered learning, teaching and performance assessment

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

The management of the OP should provide teaching based on modern achievements of world science and practice in the field of training, the use of various modern teaching methods and evaluation of learning outcomes that ensure the achievement of the goals of the OP, including competencies, skills to perform scientific work at the required level.

The management of the OP should determine the mechanisms for distributing the educational load of students between theory and practice within the framework of the OP, ensuring the development of the content and achievement of the goals of the OP by each graduate.

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

The university must ensure that the procedures for evaluating learning outcomes correspond to the planned results and goals of the OP.

The university must ensure the consistency, transparency and objectivity of the mechanism for evaluating the results of the OP training, the publication of criteria and evaluation methods in advance.

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

The management of the OP should demonstrate the existence of a feedback system for the use of various teaching methods and evaluation of learning outcomes.

The management of the OP should demonstrate support for the autonomy of students with simultaneous guidance and assistance from the teacher.

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

The evidentiary part

The management of the OP provides equal opportunities for students, regardless of the language of instruction, to form an individual educational program aimed at the formation of professional competence. The educational process is conducted in the state and Russian languages, some disciplines of the OP are conducted in English.

The individual educational trajectory is reflected in modular educational programs, working curricula and individual curricula, where, along with general education, basic disciplines of the compulsory component, there are elective courses and various types of practices that are aimed at providing professional competencies.

Academic disciplines are fully provided with the UMKD, methodological guidelines for the SRS, SRSP, laboratory work in Kazakh and Russian.

Taking into account the importance of assessing students' academic performance for their future careers, criteria and methods for evaluating all types of controls are published before the start of training in the UMKD, syllabuses. The assessment of knowledge is carried out in

accordance with established procedures and includes current and boundary controls, intermediate and final certification.

The current control includes checking the academic achievements of students during the academic period in accordance with the schedule specified in the syllabus of the discipline. The current control is carried out on the topics of the discipline in classroom and extracurricular classes. Students' academic achievements are evaluated on a 100-point scale for each completed task. The final result of the current control is summed up by calculating the arithmetic mean sum of all grades received during the academic period.

Intermediate certification is carried out during the examination session in order to assess the quality of mastering by students the content of part or the entire volume of one academic discipline after completing its study. The main forms of intermediate certification at the university are: computer testing, written exam, blank testing, oral exam. The final certification of educational programs of higher education is carried out in the form defined by the SES.

All current scores obtained in the disciplines in the semester and positive exam scores are entered into the electronic database. Students can view all grades in their personal account.

The organization and conduct of intermediate certification of students is entrusted to the registration department. According to the results of the interim certification, the registration department makes an academic rating of students. The Registration Department keeps records of the history of educational achievements of students, which is reflected in their transcript of the established form.

The VEC has established that the organization and monitoring of students' achievements are prescribed in the documents: in the Regulation of the CCU 029-21 "On the procedure for organizing and conducting, ongoing monitoring of academic performance, intermediate and final certification of students".

The organization and educational and methodological guidance of the practice of doctoral students is carried out by the department, which appoints managers and summarizes the results of practical training within the framework of concluded contracts.

The places of internship correspond to the profile of the OP, all types of practice are provided with educational and methodological materials, the internship is issued in the form of diaries and reports, which are registered and issued in accordance with the requirements. The results of the internship are the development of the qualification competencies of the OP. After the practice, the reports of the practice managers are heard.

According to experts, during the interview it was found that the university as a whole provides a system for dealing with complaints of students at the level of the student dean's office, student trade union committee, curators/advisors, graduating department, dean's office, vice-rectors and rector. Consideration of complaints and suggestions is also implemented through social networks and the rector's blog on the university's website.

Analytical part

Analyzing the standard "Student-centered learning, teaching and assessment of academic performance" in accredited areas, the commission came to the conclusion that modern information and pedagogical technologies are used at a sufficient level within the framework of implemented educational programs.

The VEC confirms that the principle of publicity is implemented at the university as follows: the policy and evaluation criteria are reflected in the educational and methodological complex of disciplines; syllabuses are provided to each doctoral student; the results of the current rating control are announced at each lesson; the results of exams, including computer testing, are announced immediately upon their completion (testing allows the doctoral student to see not only not only the exam result, but also the final result); there is a mechanism for appealing exam results. Also, the VEC was convinced of the autonomy of students with simultaneous guidance and assistance from the teacher.

The commission also notes that the teaching staff of the accredited OP should intensify their research in the field of teaching methods and evaluation of learning outcomes among

doctoral students, for example, only doctoral student Nurizinova M.M. conducted independent research in the field of theory and methodology of the discipline "Fundamentals of Tribology".

The VEC Commission notes the effectiveness of the organization and consistency of all levels of practice of doctoral students as future competitive specialists. Each stage of the practice ends with training in the appropriate course and serves as the basis for the transition of the doctoral student to the next level of training.

The survey of students conducted during the visit of the VEC showed:

90.5% of students expressed satisfaction with the quality of examination materials (tests and examination questions, etc.), partial satisfaction – 7.9% of students;

90.1% of students expressed satisfaction with the objectivity of the assessment of knowledge, skills and other educational achievements, while 8.7% of students expressed partial satisfaction.

Strengths/Best practice according to OP 8D01502-Physics:

There are no strengths.

VEC recommendations for OP 8D01502-Physics:

- To organize their own research in the field of teaching methods and evaluation of learning outcomes until 01.2024

Conclusions of the VEC by criteria:

According to the standard "Student-centered learning, teaching and assessment of academic performance", 10 criteria are disclosed, of which according to OP 8D01502–Physics 0 has a strong position, 9 is satisfactory, 1 requires improvement.

Standard 6. Students

The university must demonstrate the policy of forming a contingent of students and ensure transparency, publication of procedures regulating the life cycle of students (from admission to completion).

The management of the OP should provide for special adaptation and support programs for newly enrolled and foreign students.

The university must demonstrate compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.

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

The university should encourage students to self-education and development outside the main program (extracurricular activities).

An important factor is the availability of a support mechanism for gifted students.

The university should demonstrate cooperation with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications.

The university should provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining communication with them.

The university must demonstrate the procedure for issuing graduates with documents confirming their qualifications, including the achieved learning outcomes.

The management of the OP should demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are really relevant.

The management of the OP should demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates.

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

The evidentiary part

The formation of a contingent of students for educational programs at the University is carried out in accordance with the existing Resolutions of the Government of the Republic of

Kazakhstan, standard rules and regulations. The policy and procedures for admission to the Sarsen Amanzholov VCU are consistent with the mission, vision and strategic goals of the university, are officially published on the website and are available to all future students.

The procedure for admission to bachelor's and master's degree programs is regulated by the standard admission rules approved by the Ministry of Education and Science, which are posted on the website <https://vku.edu.kz> and based on the rules of admission to the Sarsen Amanzholov VCU.

The policy of forming a contingent of students enrolled in accredited educational programs consists in admitting those who are most prepared to study at the university, who consciously chose a specialty, who scored the required number of points according to the results of the UNT (graduates of general secondary schools), KTA (graduates of technical vocational education and graduates of schools of previous years on a paid basis), as well as specialists with diplomas for obtaining the second higher education on the basis of an interview.

The contingent of students on OP 8D01502-Physics - 3. (Nurizanova M.M. – set 2020-2023. Anas B.M., Salykov R.M., - set 2021-2024)

Doctoral student Nurizanova M.M. completed a scientific internship at Sakarya University (Turkey) and an internship at the SIC "Surface Engineering and Tribology" on the research topic.

Practice of doctoral students Anas B.M., Salykov R.M., on the basis of laboratories of the Department of Physics and Technology.

The members of the VEC confirm that the policy of forming a contingent of students is transparent, and the procedures governing the life cycle of training have been approved and published on the university's website.

To accelerate the successful adaptation of students to the educational environment of the university, newly enrolled students are provided with a reference guide in the state and Russian languages, as well as all information is reflected on the University's website.

The University is committed to the provisions of the Lisbon Convention and recognizes the equivalence of diplomas, equivalence of study periods, academic recognition of qualifications, training courses, etc.

The members of the VEC found that the professional competence of students is formed during the passage of professional practices.

In order to carry out employment activities for graduates of the accredited OP, systematic work is carried out to study the labor market, search for vacancies, and cooperate with city and regional structures.

At the moment, there is no release for OP 8D01502-Physics.

Analytical part

When forming an individual educational trajectory, the peculiarities of the level of training of students are taken into account.

The Commission notes that there are currently no foreign doctoral students for accredited OP, and it is also necessary to continue measures for external academic mobility of students. The VEC notes that only M.M. Nurizanova, a doctoral student, completed a scientific internship at Sakarya University (Turkey) and an internship at the SIC "Surface Engineering and Tribology" on the topic of research, and the rest (B.M. Anas, R.M. Salykov) at the laboratories of the Department of Physics and Technology.

During the interviewing of students, the members of the VEC determined that the university as a whole creates conditions for supporting gifted students by providing grants for training. At the accredited OP, all students study under a grant, but there is an opportunity to be scholarship holders of a grant from the rector and akimat. Students of the PhD program have the opportunity to participate in various competitions: "Granite of Science", "Zhas Talap", "START-UP", which motivate them to receive monetary incentives.

In the process of studying documents and talking with students and graduates, the ineffective work of the University Alumni Association was revealed.

The survey of students conducted during the visit of the VEC showed:

79% of students expressed satisfaction with the quality of medical care at the university, partial satisfaction – 15.9% of students;

92.1% of students expressed satisfaction with the level of accessibility of library resources, 6.3% of students expressed partial satisfaction.

Strengths/Best practice according to OP 8D01502-Physics:

There are no strengths.

VEC recommendations for OP 8D01502-Physics:

– To develop a program for the development of external and internal academic mobility of students and ensure its implementation by 07.2024.

– develop documents regulating the activities of the alumni association and ensure regular updating of information on a special tab on the website dedicated to the activities of the association until 12/30/2023.

Conclusions of the VEC by criteria:

According to the "Students" standard, 12 criteria are disclosed, of which according to OP 8D01502-Physics 0 has a strong position, 11 is satisfactory, 1 requires improvement.

Standard 7. Teaching staff

The university should have an objective and transparent personnel policy in the context of the OP, including hiring (including invited teaching staff), professional growth and development of personnel, ensuring the professional competence of the entire staff.

The university must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the strategy of the university, the goals of the OP.

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

The university should provide opportunities for career growth and professional development of teaching staff, including young teachers.

☐ *The university should involve in teaching specialists of relevant industries with professional competencies that meet the requirements of the OP.*

The university must demonstrate the existence of a mechanism for motivating the professional and personal development of teaching staff.

The university should demonstrate the wide application of teaching staff of information and communication technologies and software in the educational process (for example, on-line training, e-portfolio, MOOS, etc.).

The university should demonstrate the focus of its activities on the development of academic mobility, attracting the best foreign and domestic teachers.

The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity at the university, determine the contribution of teaching staff, including invited ones, to achieving the goals of the OP.

An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country.

The evidentiary part

The University positions its activities in personnel policy as objective and transparent, including hiring, professional growth and development of personnel, ensuring the professional competence of the entire staff. The university management strives to pay great attention to the issues of recruitment and training of personnel.

Based on the Rules of competitive replacement of positions of teaching staff and researchers of higher educational institutions, the staff of teaching staff of accredited OP is staffed in accordance with the legislation of the Republic of Kazakhstan.

The personnel policy of the university is formed and implemented on the following principles: a democratic approach to the management of teaching staff and academy staff; a combination of the interests of the management staff and the managed subsystem; compliance with parity; stimulating the activities of teaching staff; creating conditions and an atmosphere of

initiative and creativity; personal improvement of staff.

The degree in the direction of OP 8D01502-Physics is 100%.

The educational program 8D01502-Physics is implemented by 6 teachers from the university and faculty of the department:

-Skakov M.K., Ph.D., Professor, Academician of KAZNAEN, the best teacher of the university – 2022;

- Sakenova R.E. PhD doctor, head of the department, the best lecturer of the university 2022;

-Yerbolatuly D., Ph.D., Professor of the Department of Physics and Technology;

-Sagdoldina Zh.B., PhD Doctor, Associate Professor of the Department of Physics and Technology;

-Sakharieva S.G., PhD, Associate Professor of the Department of Pedagogical Education and Management;

-Alimkhan A.A. – Ph.D., Associate Professor of the Department of Kazakh, Russian Philology and Journalism.

With the transition to student-centered learning, the management of the OP strives to change the role of teachers, which is aimed at achieving specific, clearly defined goals and acquiring certain competencies, in addition, teaching is implemented in accordance with the needs of students, as well as the introduction of active and interactive forms and methods of teaching into the educational process that allow to activate the educational process.

The university has worked out mechanisms and ways to implement the effectiveness of the teaching staff motivation system:

- material monetary incentives in the form of salary increases annually;

- cash certificates for participation in competitions and projects (the best department, the best curator, the best researcher, the best lecturer, the best methodologist, the best University teacher).

The University develops academic mobility within the framework of the OP. The university has a system of advanced training and professional development of teaching staff and staff. There is a long-term plan to improve the skills of teaching staff and employees according to the priority directions of the university development. The professional development plan includes all types of internships, PC courses, creative vacations, master's degree, doctoral studies, etc. Teachers of departments constantly carry out professional development both at the national and international levels.

The priority form of professional development is the direction of teaching staff for advanced training in related universities, where the pedagogical and creative potential is significantly high. First of all, the universities of Astana, Almaty, Nazarbayev University, the Centers of Pedagogical Excellence at Nazarbayev Intellectual schools, RIPKSO "Orleu", where the training of pedagogical personnel of the republic is carried out.

Analytical part

During the visit, it was established that the teaching staff of the accredited OP actively participate in the life of the university and make a significant contribution to the development of the university. VEC experts note a good level of interaction between teaching staff and students, all students are provided with individual consulting support.

The publication activity of the PPP in the OP cluster is generally very good. There are articles published in journals with a non-zero impact factor, a number of teachers have high Hirsch indices, for example, Professor Skakov M.K. $h=10$, Rakhadilov B.K. $h=11$, whose journals are not related to pedagogical activity. At the same time, the commission notes a very small number of publications of teaching staff in the field of education research.

During the meetings with the teaching staff and the analysis of the documents submitted by the university, the experts established the satisfactory academic mobility of the teaching staff. The members of the VEC note that the development of academic mobility of teaching staff will significantly improve the quality of educational services provided, increase the intellectual

potential of teaching staff, develop cooperation between partner universities, and also give young scientists and teachers the opportunity to continue their education and gain scientific experience abroad.

The survey of the teaching staff conducted during the visit of the VEC showed:

How the work on academic mobility was set, 50% expressed the opinion "Very good", "Good" – 43.1%

How the work on improving the qualifications of teaching staff was set, 60.3% expressed the opinion "Very good", 37.9% – "Good"%

Strengths/Best practice according to OP 8D01502-Physics:

There are no strengths.

VEC recommendations for OP 8D01502-Physics:

increase the number of publications of teaching staff in the field of education research in journals included in the Scopus and Web of Science citation databases.

Conclusions of the VEC by criteria:

According to the "Teaching Staff" standard, 9 criteria are disclosed, of which according to OP 8D01502-Physics 0 has a strong position, 9 – satisfactory, 0 – require improvement.

Standard 8. Educational resources and student support systems

The university must ensure that the infrastructure, educational resources, including material and technical, meet the objectives of the educational program.

The management of the OP must demonstrate the sufficiency of classrooms, laboratories and other facilities equipped with modern equipment that ensures the achievement of the goals of the OP.

The university must demonstrate the compliance of information resources with the needs of the university and implemented OP, including in the following areas:

technological support of students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);

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

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

access to educational Internet resources;

functioning of WI-FI on its territory.

The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of the research work of teaching staff, staff and students.

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

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

The management of the OP should show the availability of conditions for the advancement of the student along an individual educational trajectory.

The university should take into account the needs of various groups of students (adults, working, foreign students, as well as students with special educational needs).

The university must ensure that the infrastructure meets the security requirements.

The evidentiary part

The material and technical base of S. Amanzholov VSU meets the qualification requirements and standard rules of activity of organizations of higher and postgraduate education. The University's resource provision is aimed at achieving a leading role in the international scientific and educational space for the formation of competitive specialists for the innovative development of Kazakhstan. The University has a material and technical base that ensures the conduct of all types of practical training and research work of students provided for in the curriculum of the university and corresponding to the current sanitary-epidemiological and fire safety standards and rules.

The University has at its disposal:

- game sports hall with a total area of 415 sq. m; gym with a total area of 529 sq. m; gym with a total area of 51.1 sq. m.m; fitness room with a total area of 51.3 sq.m. Gyms are equipped with appropriate sports equipment, sufficient for the organization of the educational process of doctoral students;

- assembly hall with a total area of 218.5 sq.m.

Students can visit the sports and swimming pool "Chaika", with an area of 317.5 sq.m. In the Year of youth within the framework of the Address of the Head of State and the implementation of the program "Rukhani Zhangyru" in the VCU imeniS. Amanzholov fitness center named after Alexey Nikolaevich Trunov is open - 2019

Two large and three small gyms with an area of 1261.1 sq.m. are used for conducting educational, elective classes, organizing sports events. Various sports grounds are equipped on the territory of the academic buildings: the area of the football field is 2800 sq. m, a running track (280 m long), 2 volleyball and 2 basketball courts.

During the visit to the VEC training sessions, experts note that classrooms for various purposes are used in the educational process: lecture halls, classrooms for practical classes, laboratories, computer and multimedia classes. The classrooms for practical classes of OP 8D01502-Physics have the necessary educational and laboratory equipment for the study of basic physical principles and laws.

Laboratory classes are conducted on the basis of educational and scientific laboratories of the university. Laboratory and practical classes are also conducted on the basis of branches of departments, on the basis of an agreement on mutual cooperation with third-party organizations. Experts note that such an organization of the educational process makes it possible to more fully use the material, technical and human resources of both the university and enterprises and organizations of the region to form students' professional skills in conditions close to real ones.

There is a system for supporting the living conditions of students, there is a medical office, a nutrition center, a fitness room, a library, and students' homes. In the houses of students there are: a recreation room, a reading room, a shower room, a laundry room, etc. There is a small library in the reading room, and there is also access to a WiFi network.

In all academic buildings, according to lease agreements, catering facilities operate. The total occupied area is 948.3 sq. m.

Medical care for employees and students is provided by the health center and city Hospital No. 1. All of the above material resources are used in the educational process of the accredited OP.

The university has a large scientific library, the library fund has more than 1 million copies. To meet the needs of the scientific and educational process of the university, the library, on the basis of license agreements, provides free access to licensed foreign databases by IP addresses: Elsevier - Science Direct, Scopus", ISI Web of Science.

The information network of the Institute is represented by an Educational portal, which is a set of information systems that accompany the entire cycle of the educational process – from the formation of the contingent to the final certification of students. The main categories of users of the portal are students, teachers, employees of university departments, administration, schoolchildren, applicants and their parents. With the help of the educational portal, a doctoral student can also get information about the history of the institute, higher school, departments, information about the educational, scientific, educational work of the university on the website <https://vku.edu.kz/ru> Facebook Instagram, YouTube, as well as through social networks.

Students of the accredited OP are sufficiently provided with educational and scientific literature in the state and Russian languages.

The Commission found that the educational and laboratory facilities and the classroom fund correspond in general to the contingent of students, implemented educational programs, sanitary and epidemiological norms and requirements.

As a result of the visit to the training laboratories, the members of the VEC made sure that all the premises meet safety requirements, classrooms are equipped with fire extinguishers, and annual safety instruction is conducted with students.

Analytical part

As a result of a visual inspection of the facilities of the material base, the members of the VEC note that the university has the necessary educational and material resources to ensure the educational process of accredited educational programs. The university building complies with the current sanitary standards and fire safety requirements. Classroom and laboratory facilities, classrooms and other premises, sports facilities comply with established norms and rules.

Although the library has a fairly impressive book fund and it amounts to 1,038,923 copies, including the fund of educational, methodical and scientific literature - 621,457 copies, of which 366,719 copies are in the state language, and students have access to the library's book fund, which includes educational, methodological and scientific literature on state, Russian, etc. The members of the commission note the lack of attention to providing special material and technical means to support students with special educational needs in the educational process.

Strengths/Best practice according to OP 8D01502-Physics:

There are no strengths.

VEC recommendations for OP 8D01502-Physics:

- To develop a plan for step-by-step provision of special material and technical means to support students with special educational needs in the educational process until 01.09.2023.

Conclusions of the VEC by criteria:

According to the standard "Educational resources and Student Support systems", 9 criteria are disclosed, of which according to OP 8D01502-Physics 0 has a strong position, 8 is satisfactory, 1 requires improvement.

Standard 9. Informing the public

The university guarantees that the published information is accurate, objective, up-to-date and reflects all the activities of the university within the framework of the educational program.

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

The management of the university should use a variety of ways to disseminate information (including mass media, web resources, information networks, etc.) to inform the general public and interested persons.

Information about the educational program is objective, relevant and should include:

the purpose and planned results of the OP, the qualification assigned;

information and evaluation system of educational achievements of students;

information about academic mobility programs and other forms of cooperation with partner universities, employers;

information about the opportunities for the development of personal and professional competencies of students and employment;

data reflecting the positioning of the OP in the market of educational services (at the regional, national, international levels).

An important factor is the publication on open resources of reliable information about the teaching staff, in the context of personalities.

The university must publish on its own web resource the audited financial statements on the OP.

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

An important factor is the placement of information about cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations.

The evidentiary part

VKU named after S. Amanzholov has a website <https://vku.edu.kz/ru>, which provides information about the mission, goals and objectives of the university and operates in three languages (Kazakh, Russian, English). Information about ongoing educational programs, expected learning outcomes, qualifications awarded, knowledge assessment system, academic mobility, possible employment, etc. is located in the "Education" and "Science" section of the official

website.

In order to form a positive attitude of the public towards the educational institution, regular updates of the university's website are carried out.

Every year, within the framework of information campaigns, the university prepares information and advertising booklets and leaflets. In the information sources presented, all content is structured according to the university's activities, programs, topics and issues.

Facebook Instagram, Facebook, Youtube, WhatsApp groups and accounts have been developed to create communication with students and future applicants.

The website fully reflects all existing support systems - career and employment, financial support, etc. General information about the university's activities and the implementation of OP 8D01502-Physics is posted on the university's website <https://vku.edu.kz/ru>.

The members of the VEC came to the unanimous opinion that the university's website contains adequate and objective information about the university as a whole, detailed information about the accredited OP.

The University regularly participates in various ratings of higher educational institutions of Kazakhstan, as well as in external evaluation procedures.

Analytical part

Analysis of the information provided on the university's website showed that the University publishes reliable information about its activities, admission rules, educational programs, terms and form of study, contact and other information useful for applicants and students.

Assessment of satisfaction with information about the activities of the university, the specifics and progress of the implementation of the OP is carried out annually by means of questionnaires, surveys, feedback, as well as with the help of the rector's blog.

The members of the VEC note the need for constant monitoring of the information provided on the website, about all changes implemented by the OP, in particular, updating the personal pages of the teaching staff in terms of scientific publications.

In addition, the VEC recommends the publication of audited financial statements on the official website.

Strengths/Best practice according to OP 8D01502-Physics:

There are no strengths.

VEC recommendations for OP 8D01502-Physics:

- Identify measures to update information on the site in all areas of activity, including in the context of the OP until 01.12.2023.
- Publish and in subsequent years regularly supplement the audited financial statements on the website until 01.09.2023.

Conclusions of the VEC by criteria:

According to the "Informing the Public" standard, 10 criteria are disclosed, of which according to OP 8D01502-Physics 0 has a strong position, 9 – satisfactory, 1 – requires improvement.

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

According to the standard "Educational Program Management":

Strengths/best practice according to OP 8D01502-Physics:

- The management of the OP ensures the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.

According to the standard "Information Management and reporting":

Missing

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

Strengths/best practice according to OP 8D01502-Physics:

The management of the OP demonstrated the conduct of external examinations of the content of the OP and the planned results of its implementation.

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

None

According to the standard "Student-centered learning, teaching and assessment of academic performance": None

According to the "Students" standard:

Missing

According to the standard "Teaching staff":

None

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

Missing

According to the "Informing the Public" standard:

None

(VIII) OVERVIEW RECOMMENDATIONS FOR QUALITY IMPROVEMENT FOR EACH STANDARD

According to the standard "Educational program Management":

- To develop an innovation management mechanism within the framework of the OP, including the analysis and implementation of innovative proposals until 01.12.2023.
- To train the management of the OP in the field of risk management and implement risk management at the level of structural units, processes and OP until 01.01.2024.
- To ensure the adjustment of OP development plans in accordance with the documented procedure for their development until 12/30/2023.

According to the standard "Information Management and reporting":

- The management of the educational program until 01.09.2023, it is necessary to collect and analyze up-to-date information about the activities of the OP to publish on the website and systematically update the information. По стандарту «Разработка и утверждение образовательной программы»:
- Обеспечить подготовку обучающихся к прохождению профессиональной сертификации по аккредитуемой образовательной программе до 01. 2024 г.

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

- To carry out timely informing of students and employers about all planned and undertaken changes in the OP by publishing news information on the university's website (constantly).

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

- To organize their own research in the field of teaching methods and evaluation of learning outcomes until 01.2024

According to the "Students" standard:

- Develop a program for the development of external and internal academic mobility of students and ensure its implementation by 07.2024.
- develop documents regulating the activities of the alumni association and ensure regular updating of information on a special tab on the website dedicated to the activities of the association until 12/30/2023.

According to the "Teaching Staff" standard:

- increase the number of publications of teaching staff in the field of education research in journals included in the Scopus and Web of Science citation databases.

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

- To develop a plan for step-by-step provision of special material and technical means to support students with special educational needs in the educational process until 01.09.2023.

According to the standard "Informing the public":

- Identify measures to update information on the website in all areas of activity, including in the context of the OP until 01.12.2023;
- publish and in subsequent years regularly supplement the audited financial statements on the website until 01.09.2023.

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

There are no recommendations for the development of the organization of education.



(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL

The external Expert Commission made a unanimous decision to recommend to the Accreditation Council to accredit the educational program 8D01502-Physics of the Non-Profit Joint Stock Company "Sarsen Amanzholov East Kazakhstan University" for a period of 5 years.



Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS" (EX-ANTE)
Conclusion of the external expert commission on the results of the evaluation of the quality
of the educational program
OP 8D01502-Physics
NAO "Sarsen Amanzholov East Kazakhstan University"

№ п\п	№ п\п	Evaluation criteria	The position of the organization of education			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard 1 "Educational Program Management"						
1	1.	The organization of higher and (or) postgraduate education should have a published quality assurance policy that reflects the relationship between scientific research, teaching and learning		+		
2	2.	The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of OP		+		
3	3.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility		+		
4	4.	The management of the OP demonstrates transparency in the development of the OP development plan containing the start dates of implementation, based on an analysis of its functioning, the real positioning of the NGO and the orientation of its activities to meet the needs of the state, employers, students and other interested parties		+		
5	5.	The management of the OP demonstrates the existence of mechanisms for the formation and regular revision of the development plan of the OP and monitoring its implementation, assessing the achievement of training goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the OP		+		
6	6.	The management of the OP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of the development plan of the OP		+		
7	7.	The management of the OP must demonstrate the individuality and uniqueness of the development plan of the OP, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education		+		
8	8.	The organization of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within the framework of the OP, an unambiguous distribution of staff responsibilities, and the differentiation of functions of collegial bodies		+		
9	9.	The management of the educational institution must provide evidence of the transparency of the educational program management system		+		
10	10.	The management of the OP must demonstrate the existence of an internal quality assurance system of the OP, including its design, management and monitoring, their improvement, and fact-based decision-making		+		

11	11.	The management of the OP should carry out risk management, including within the framework of the OP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk			+	
12	12.	The management of the educational institution should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program	+			
13	13.	The NGO should demonstrate innovation management within the framework of the OP, including the analysis and implementation of innovative proposals			+	
14	14.	The management of the OP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested persons		+		
15	15.	The management of the OP should be trained in educational management programs		+		
Total according to the standard			1	12	2	
Standard 2 "Information management and reporting"						
16	1.	The NGO should demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools and that it uses a variety of methods for collecting and analyzing information in the context of the OP		+		
17	2.	The management of the OP should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system		+		
18	3.	The management of the OP should demonstrate fact-based decision-making		+		
19	4.	A system of regular reporting reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research, should be provided within the framework of the OP		+		
20	5.	The NGO should establish the frequency, forms and methods of assessing the management of the OP, the activities of collegial bodies and structural units, senior management, and the implementation of scientific projects		+		
21	6.	The NGO must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of responsible persons for the reliability and timeliness of the analysis of information and the provision of data		+		
22	7.	An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them		+		
23	8.	The management of the OP should demonstrate the existence of a mechanism for communication with students, employees and other stakeholders, as well as conflict resolution mechanisms		+		
24	9.	The OO should demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the OP		+		
25	10.	The NGO should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the OP		+		
		The information intended for collection and analysis within the framework of the OP should take into account:				

26	11.	key performance indicators		+		
27	12.	dynamics of the contingent of students in the context of forms and types		+		
28	13.	the level of academic performance, student achievements and expulsion		+		
29	14.	satisfaction of students with the implementation of the OP and the quality of education at the university		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	The NGO must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documentary consent		+		
Total according to the standard			0	16	0	
Standard 3 "Development and approval of the educational program"						
32	1.	The OO should define and document the procedures for the development of the OP and their approval at the institutional level		+		
33	2.	The management of the OP should ensure that the content of the OP meets the established goals, including the expected learning outcomes		+		
34	3.	The management of the OP should demonstrate the existence of mechanisms for reviewing the content and structure of the OP, taking into account changes in the labor market, the requirements of employers and the social request of society		+		
35	4.	The management of the OP should ensure the availability of developed models of the graduate of the OP, describing the learning outcomes and personal qualities		+		
36	5.	The management of the OP must demonstrate the conduct of external examinations of the content of the OP and the planned results of its implementation	+			
37	6.	The qualification assigned upon completion of the OP must be clearly defined and correspond to a certain level of the NSC and QF-EHEA		+		
38	7.	The management of the OP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
30	8.	An important factor is the possibility of training students for professional certification (IS)		+		
40	9.	The management of the OP must provide evidence of the participation of students, teaching staff and other interested parties in the development of the OP, ensuring its quality		+		
41	10.	The management of the OP should ensure that the content of academic disciplines and the planned results correspond to the level of education (bachelor's, master's, doctoral studies)		+		
42	11.	The structure of the OP should provide for various types of activities that ensure that students achieve the planned learning outcomes		+		
43	12.	An important factor is the correspondence of the content of the OOP and the results of the OOP training implemented by organizations of higher and (or) postgraduate education in the EHEA		+		
Total according to the standard			1	11		
Standard 4 "Continuous monitoring and periodic evaluation of educational programs"						
44	1.	The NGO should define mechanisms for monitoring and periodic evaluation of the OP to ensure the achievement of the goal and meet the needs of students, society and show the orientation of the mechanisms for the continuous improvement of the OP		+		
		Monitoring and periodic evaluation of the OP should include:				

45	2.	the content of the program in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught		+		
46	3.	, changes in the needs of society and the professional environment		+		
47	4.	, the workload, academic performance and graduation of students		+		
48	5.	, the effectiveness of evaluation procedures for students		+		
49	6.	expectations, needs and satisfaction of students with training in OP		+		
50	7.	the educational environment and support services, and their compliance with the goals of the OP		+		
51	8.	The management of the OP should demonstrate a systematic approach to monitoring and periodic evaluation of the quality of the OP		+		
52	9.	The OO, the management of the OP should define a mechanism for informing all interested parties about any planned or taken actions in relation to the OP			+	
53	10.	All changes made to the OP must be published				
Total according to the standard				9	1	
Standard 5 "Student-centered learning, teaching and assessment of academic performance"						
54	1.	The management of the OP should ensure respect and attention to different groups of students and their needs, provide them with flexible learning paths		+		
55	2.	The management of the OP should provide for the use of various forms and methods of teaching and learning		+		
56	3.	An important factor is the availability of own research in the field of teaching methods of educational disciplines.			+	
57	4.	The management of the OP should demonstrate the existence of feedback mechanisms for the use of various teaching methods and evaluation of learning outcomes		+		
58	5.	The management of the OP should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher		+		
59	6.	The management of the OP must demonstrate the existence of a procedure for responding to complaints from students		+		
60	7.	The OO should ensure consistency, transparency and objectivity of the learning outcomes assessment mechanism for each OP, including the appeal		+		
61	8.	The OO should ensure that the procedures for evaluating the learning outcomes of students of the OP are consistent with the planned results and goals of the program, the publication of criteria and evaluation methods in advance		+		
62	9.	The OO should define mechanisms to ensure that each graduate of the OP achieves learning outcomes and ensures the completeness of their formation		+		
63	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area		+		
Total according to the standard				9	1	
Standard 6 "Students"						
64	1.	The NGO must demonstrate the existence of a policy for the formation of a contingent of students in the context of the OP, ensure transparency and publication of its procedures governing the life cycle of students (from admission to completion)		+		

		The management of the OP should determine the order of formation of the contingent of students based on:				
65	2.	minimum requirements for applicants		+		
66	3.	of the maximum size of the group during seminars, practical, laboratory and studio classes		+		
67	4.	forecasting the number of state grants		+		
68	5.	analysis of available material, technical, information resources, human resources		+		
69	6.	analysis of potential social conditions for students, including the provision of places in the dormitory		+		
70	7.	The management of the educational institution should demonstrate readiness to conduct special adaptation and support programs for newly enrolled and foreign students		+		
71	8.	The NGO must demonstrate compliance of its actions with the Lisbon Recognition Convention, the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education		+		
72	9.	The NGO should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications		+		
73	10.	The OO should provide an opportunity for external and internal mobility of students of the OP, as well as readiness to assist them in obtaining external grants for training			+	
74	11.	The management of the OP should demonstrate readiness to provide students with internship places, promote the employment of graduates, and maintain communication with them		+		
75	12.	The OO should provide for the possibility of providing graduates of the OP with documents confirming the qualifications obtained, including the achieved learning outcomes, as well as the context, content and status of the education received and certificates of its completion		+		
Total according to the standard				11	1	
Standard 7 "Teaching staff"						
76	1.	The NGO should have an objective and transparent personnel policy, including in the context of the OP, including hiring, professional growth and development of personnel, ensuring the professional competence of the entire staff		+		
77	2.	The NGO must demonstrate the compliance of the personnel potential of the teaching staff with the specifics of the OP		+		
78	3.	The management of the OP must demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them		+		
79	4.	The management of the OP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+		
80	5.	The NGO should determine the contribution of the PPP of the OP to the implementation of the development strategy of the NGO, and other strategic documents		+		
81	6.	The NGO should provide opportunities for career growth and professional development of the teaching staff of the OP		+		
82	7.	The management of the OP should demonstrate readiness to involve practitioners of relevant sectors of the economy in teaching		+		

83	8.	The NGO should demonstrate the motivation of the professional and personal development of the teachers of the OP, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods		+		
84	9.	An important factor is the readiness to develop academic mobility within the framework of the OP, to attract the best foreign and domestic teachers		+		
Total according to the standard			0	9	0	
Standard 8 "Educational resources and student support systems"						
85	1.	The OO should guarantee a sufficient number of educational resources and student support services to ensure the achievement of the goal of the OP		+		
86	2.	The NGO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of educational institutions (adults, working, foreign students, as well as students with disabilities)			+	
87	3.	The management of the OP should demonstrate the existence of support procedures for various groups of students, including information and counseling		+		
		The management of the OP should demonstrate the compliance of information resources with the specifics of the OP, including:				
88	4.	technological support for students and teaching staff (for example, online training, modeling, databases, data analysis programs)		+		
89	5.	library resources, including a fund of educational, methodological and scientific literature on general education, basic and profile disciplines on paper and electronic media, periodicals publications, access to scientific databases		+		
90	6.	examination of research results, graduation papers, dissertations on plagiarism		+		
91	7.	access to educational Internet resources		+		
92	8.	functioning of Wi-Fi on the territory of the educational organization		+		
93	9.	The OO demonstrates the planning of providing the OP with educational equipment and software tools similar to those used in the relevant sectors of the economy		+		
Total according to the standard				8	1	
Standard 9 "Informing the public"						
		The NGO must publish reliable, objective, up-to-date information about the educational program and its specifics, which should include:				
94	1.	expected learning outcomes of the educational program being implemented		+		
95	2.	qualifications and (or) qualifications that will be assigned upon completion of the educational program		+		
96	3.	teaching approaches, training, as well as the system (procedures, methods and forms) of assessment		+		
97	4.	information about passing scores and educational opportunities provided to students		+		
98	5.	information about graduate employment opportunities		+		
99	6.	The management of the OP should provide for a variety of ways to disseminate information, including mass media, information networks to inform the general public and interested persons		+		
100	7.	Public awareness should include support and explanation of the national development programs of the country and the system of higher and postgraduate education		+		

101	8.	The NGO must demonstrate the reflection on the web resource of information characterizing it as a whole and in the context of educational programs			+	
102	9.	An important factor is the availability of adequate and objective information about the PPP OP		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners within the framework of the OP		+		
Total according to the standard			0	9	1	
in total			2	94	7	

2 (1.94 %) parameters have the position "strong"

94 (91.26%) parameters have the position "satisfactory"

7 (6.79%) parameters have the position "suggests improvement"

0 (0%) parameters have the position "unsatisfactory"



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



АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ

НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

AGREED

Chairman of the Management Board-Rector

NAO "East Kazakhstan University

named after SarsenaAmanzholov"

_____ M. Tolegen

«_____» _____ 2023 y.

ASSERT

General Director of NU "Independent Agency of
accreditation and Rating"

_____ Zhumagulova A.B.

«_____» _____ 2023 y.

THE PROGRAM
of the visit of the IAAF external expert commission
to the SarsenaAmanzholov East Kazakhstan University
(specialized, primary specialized accreditation)
on May 29-31, 2023

Cluster	Educational programs
Cluster 1. Specialized accreditation	1) 6B01502 Physics 2) 7M01502 Physics

	3) 7M05301 Physics
Cluster 2. Specialized accreditation	4) 6B01503 Math 5) 7M01503 Math
Cluster 3. Specialized accreditation	6) 7M01101 Pedagogy and Psychology 7) 7M01201 Preschool education and upbringing 8) 7M01301 Pedagogy and methodology of primary education
Cluster 4. Specialized accreditation	9) 6B03105 Clinical Psychology 10) 7M03101 Psychology 11) 7M01901 Defectology
Cluster 5. Specialized accreditation	12) 7M05201 Geography
Cluster 6. Specialized accreditation	13) 7M01702 Russian language and literature
Cluster 7. Specialized accreditation (ex-ante)	14) 8D01502 Physics

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
<i>May 26, 2023</i>			
15.00-16.00	Preliminary meeting of the VEC	<i>External IAAR Experts</i>	
<i>Day 1: May 29, 2023</i>			

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
10.00-10.20	Distribution of responsibility of experts, solution of organizational issues	<i>External IAAR Experts</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
10.20-11.00	Interview with the Chairman of the Board-Rector	<i>Chairman Of The Board-Rector-Tolegen Mukhtar Adilbekovich</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
11.00-11.15	Technical break		
11.15-12.00	Interview with the Vice-rector	Rovnyakova Irina Vladimirovna – Vice-Rector for Strategic Development and Research	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
12.00-12.15	Technical break		
12.15-13.00	Interviews with heads of structural divisions	Alimbekova Nurlana Baurzhanovna - <i>Director of the Department of Innovative Development and Commercialization</i> Zhannel Bolatova - <i>Director of the Department of Academic Policy and Management of Educational Programs</i> Aimenov Bolatbek Kuatbekovich - <i>Director of the Economic Department</i> Sharapieva Gulnur Dauletbekovna - <i>Head of the Department of Science and Commercialization of Scientific Projects</i> Domalatov Yerzhan Bogdanovich – <i>Head of the project office of the Department for the organization of educational and methodological work</i> Zinchenko Irina Vladimirovna - <i>Head of the organization Department educational and methodical work</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
		<p>Abylaykhanova Tana Abylaykhanovna - <i>Head of the Department of Postgraduate Education</i></p> <p>Mustafina Mergul Oralbekovna - <i>Head of the registration office of the PARASAT Data Center</i></p> <p>Karlygash Rakhimovna Raisova - <i>Head of Human Resources and Legal Support Department</i></p> <p>Nuralieva Perizat Kuzembaevna - <i>Director of the scientific library</i></p> <p>Dildebai Balgyn - <i>Head of the Center for Information Technology and Digitalization</i></p> <p>Bakytgul Kudyshevna Isebayeva – <i>Head of the Resource Center for Professional Training and Advanced Training</i></p> <p>Tokaeva Zhanna Toleukhanovna – <i>Head of the professorial practice of the Department for the organization of educational and methodological work</i></p> <p>Anas Bakdaulet – <i>Deputy Head of the Department for Educational Work and Social Issues</i></p> <p>Dzhumagulova Venera Bekezhanovna – <i>Acting Head of the Planning and Economic Department</i></p> <p>Tileubayeva Venera Yerlankyzy - <i>head of the Center for Multilingual Education "Til alemi"</i></p> <p>Kaliyeva Gulnara Kairzhanovna - <i>Head of the Department of Student Records Management</i></p> <p>Yesimkhanova Flura Rashidovna - <i>Head of the media center "Altai jastary"</i></p>	
13.00-13.30	The work of the VEC	<i>External IAAR Experts</i>	<p>No.218 audience</p> <p>Connect to the conference</p> <p>https://us02web.zoom.us/j/4641732969</p> <p>Conference ID: 464 173 2969</p>
13.30-14.30	Lunch	<i>External IAAR Experts</i>	

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
14.30-15.10	Interviews with deans of higher schools	Saltanat Adikanova - <i>Dean of the Higher School of IT and Natural Sciences</i> ; Orazalin Slyambek Kalibekovich - <i>Dean of the Higher School of Humanities</i> Gulnara Borisovna Kulenova - <i>Dean of the Higher School of Pedagogy</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
15.10-15.25	Technical break		
15.25-16.10	Interviews with heads of departments, heads of OP (Parallel)	Sakenova Rimma Yerbolatkyzy - <i>Head of the Department of Physics and Technology</i> Malgazharov Yerzhan Amangazyuly - <i>Head of the Department of Mathematics</i> Zhaksylykova Zhadyra – <i>Head of OP 6B01503 Mathematics</i> Ergaliev Yerlan Kanapiyanovich - <i>Head of OP 7M01503 Mathematics</i> Zhaparova Meiramgul Serikkanovna - <i>Head of OP 6B01502 Physics</i> Imanzhanova Kulbarshin Tleukanovna - <i>Head of OP 6M01502 Physics, 6M05301 Physics</i> Bektasova Gulsym Safuanovna - <i>Head of OP 8D01502 Physics</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
		<p>Espolova Gulden Kalioldanovna - <i>Head of the Department of Pedagogical Education and Management</i></p> <p>Bikbaeva Malika Farkhatovna - <i>Head of the Department of Psychology and Correctional Pedagogy</i></p> <p>Zhensikbaeva Nazgul Zhanybekovna - <i>Head of the Department of Ecology and Geography</i></p> <p>Karlygash Turkestanovna Barbosynova - <i>Head of the Department of Kazakh, Russian Philology and Journalism</i></p> <p>Aurenova Madina Dauletkanovna - <i>Head of OP 7M01901 Defectology</i></p> <p>Stelmakh Svetlana Aleksandrovna - <i>Head of OP 7M03101 Psychology</i></p> <p>Matskevich Irina Konstantinovna - <i>Head of OP 6B03105 Clinical Psychology</i></p> <p>Natalia N. Budnikova - <i>Head of OP 7M01702 Russian language and Literature</i></p> <p>Radchenko Natalia Nikolaevna - <i>Head of OP 7M01301 Pedagogy and methodology of primary education, 7M01201 Preschool education and upbringing</i></p> <p>Sakharieva Svetlana Gennadiyevna - <i>Head of OP 7M01101 Pedagogy and Psychology</i></p>	<p>No. 111 Audience</p> <p>Connect to the Zoom Conference https://us02web.zoom.us/j/7172395837 Conference ID: 717 239 5837</p>
16.10-16.25	Technical break		
16.25-17.10	Interviews with teachers of the OP	<p>Clusters 1, 2, 7 – 218 Audience</p> <p>(Appendix No. 1 List of teaching staff for interviews)</p>	<p>No.218 audience</p> <p>Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969</p>

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
		Clusters 3, 4, 5, 6 – 111 Audience (Appendix No. 1 List of teaching staff for interviews)	No. 111 Audience Connect to the Zoom Conference https://us02web.zoom.us/j/7172395837 Conference ID: 717 239 5837
17.10-17.20	Technical break		
17.10-18.40	Survey of teaching staff (parallel)	<i>All teachers of the assessed OP</i> (Appendix No. 1.1 List of teaching staff for the questionnaire)	<i>The link to participate in the survey will be sent to the teacher personally</i>
17.20-18.30	Visual inspection of the OO	Route # 1 <i>Video clip (10-15-minute video about infrastructure: auditoriums, halls, laboratories, sports, etc. halls ...)</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
18.30-19.00	Results of the first day of the VEC	<i>External IAAR Experts</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
19.00-20.30	Supper	<i>External IAAR Experts</i>	
Day 2: May 30, 2023			
10.00-10.20	The work of the VEC	<i>External IAAR Experts</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
10.20-11.00	Interviews with students	Clusters 1, 2, 7 <i>Appendix No. 2 List of OP students for interviews</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
		Clusters 3, 4, 5, 6 <i>Appendix No. 2 List of OP students for interviews</i>	No. 111 Audience Connect to the Zoom Conference https://us02web.zoom.us/j/7172395837 Conference ID: 717 239 5837
11.00-11.15	Technical break		
11.00-13.00	Survey of students OP (parallel)	<i>All students of the assessed OP</i> <i>(Appendix No.2.The list of students of the OP for the questionnaire)</i>	<i>The link to participate in the questionnaire will be sent to the student personally</i>
11.15-13.00	Working with the department's documents <i>(documents uploaded to cloud folders) and attendance of teaching staff classes according to the schedule</i> <i>Appendix 1.A "Extract from the schedule of classes of OP clusters" with links to ZOOM</i>	Cluster 1 https://cloud.mail.ru/public/U1w1/rqBR2buU9	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
		Cluster 2 https://cloud.mail.ru/public/NWZ2/1tKzKrtxP	
		Cluster 3 https://cloud.mail.ru/public/9Ug5/H8ZDNtKWj	
		Cluster 4 https://cloud.mail.ru/public/icPH/aWJeB4yg1	
		Cluster 5 https://cloud.mail.ru/public/VYia/AWqB2v3ur	
		Cluster 6 https://cloud.mail.ru/home/Кафедра%20документы	
		Cluster 7: https://cloud.mail.ru/public/pZKR/khNEeS1n8	
		<i>Appendix No. 1A</i>	

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
13.00-14.00	Lunch	External IAAR Experts	
14.00-16.30	Visiting the practice bases of the OP (parallel)	All clusters (Appendix 4.1 List of Practice bases Link to the videos (10-15-minute video about the bases of OP practices)	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
14.00-16.30	Working with the department's documents (documents uploaded to cloud folders) and attendance of teaching staff classes on schedule Appendix 1.A "Lesson schedule extract" with links to ZOOM	Cluster 1 https://cloud.mail.ru/public/U1w1/rqBR2buU9	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
		Cluster 2 https://cloud.mail.ru/public/NWZ2/1tKzKrtxP	
		Cluster 3 https://cloud.mail.ru/public/9Ug5/H8ZDNtKWj	
		Cluster 4 https://cloud.mail.ru/public/icPH/aWJeB4yg1	
		Cluster p 5 https://cloud.mail.ru/public/VYia/AWqB2v3ur	
		Cluster 6 https://cloud.mail.ru/home/Кафедра%20документы	
		Cluster 7 https://cloud.mail.ru/public/pZKR/khNEeS1n8	
16.30-17.10	Interviews with graduates of the OP and individual work of the VEC experts	Graduates of OP Clusters 1,2,7 (Appendix No. 3 List of OP graduates)	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
		Graduates of OP Clusters 3,4,5,6 (Appendix No. 3 List of graduates of the OP)	No. 111 Audience Connect to the Zoom Conference https://us02web.zoom.us/j/7172395837 Conference ID: 717 239 5837
17.10-17.20	Technical break		

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
17.20-18.20	Interviews with OP employers (in parallel) and individual work of the VEC experts	Clusters 1,2,7 (Appendix No. 4 List of employers OP)	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
		Clusters 3,4,5,6 (Appendix No. 4 List of employers OP)	No. 111 Audience Connect to the Zoom Conference https://us02web.zoom.us/j/7172395837 Conference ID: 717 239 5837
18.20-19.00	Work of the VEC: summing up the results of the second day	<i>External IAAR Experts</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
19.00-20.30	Supper	<i>External IAAR Experts</i>	
DAY 3: MAY 31, 2023			
10.00-11.30	Work of the VEC: discussion of parameters (recording is underway)	<i>External IAAR Experts</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
11.30-11.45	Technical break		
11.45-13.00	Work of the VEC: development and discussion of recommendations (recorded)	<i>External IAAR Experts</i>	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969

DATE AND TIME	The work of the VEC with target groups	Position and Surname, first name, patronymic of target group participants	Place of procedure / Form of communication
13.00-14.00	Lunch		University Canteen
14.00-14.15	Technical break		
14.15-15.30	The work of the VEC: decision-making by voting (a record is being kept)	External IAAR Experts	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
15.30-15.45	Technical break		
15.45-16.20	The final meeting of the VEC with the leadership of the university	University management, OP managers, External IAAR Experts	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
16.20-17.00	Summing up the results of the work of the VEC	External IAAR Experts	No.218 audience Connect to the conference https://us02web.zoom.us/j/4641732969 Conference ID: 464 173 2969
18.00-19.30	Supper		
June 1, 2023			
	Departure of offline experts		

Appendix 3. RESULTS OF THE SURVEY OF teaching STAFF

The questionnaire of the teaching staff

Total number of questionnaires: 58

2. Post, %

Professor	11 (19%)
Associate Professor/Associate Professor	19 (32,7%)
Senior Lecturer	20 (34,5%)
Teacher	3 (5,2%)
Head of the Department	5 (8,6%)
Other	0

3. Academic degree, academic title

Honored Worker	0
Doctor of Sciences	4 (6,9%)
Candidate of Sciences	27 (46,6%)
Master	18 (31%)
PhD	6 (10,3%)
Professor	2 (3,4%)
Associate Professor/Associate Professor	5 (8,6%)
No	3 (5,2%)
Other	0

4. Work experience at this university

Less than 1 year	1 (1,7%)
1 year – 5 years	6 (10,3%)
Over 5 years	51 (87,9%)
Other	0,1%

№	Questions	Very well	Well	Relatively bad	Badly	Very bad	They didn't answer
1	To what extent does the content of the educational program meet your scientific and professional interests and needs?	45 (77,6 %)	13 (22,4)				
2	How do you assess the opportunities provided by the University for the	38 (65,5 %)	20 (34,5 %)				

	professional development of teaching staff						
3	How do you assess the opportunities provided by the University for the career growth of teaching staff	38 (65,5 %)	20 (34,5 %)				
4	How do you assess the degree of academic freedom of teaching staff	36 (62,1 %)	22 (37,9 %)				
	To what extent can teachers use their own						
5	• Learning strategies	39 (67,2 %)	19 (32,8 %)				
6	• Teaching methods	46 (79,3 %)	12 (20,7 %)				
7	• Educational innovations	40 (69 %)	17 (29,3 %)	1 (1,7 %)			
8	How do you assess the work on the organization of medical care and disease prevention at the university?	31 (53,4 %)	25 (43,1 %)	2 (3,4 %)			
9	What attention is paid by the management of the educational institution to the content of the educational program?	43 (74,1 %)	15 (25,9 %)				
10	How do you assess the sufficiency and availability of the necessary scientific and educational literature in the library?	39 (67,2 %)	19 (32,8 %)				
11	Assess the level of conditions created that take into account the needs of different groups of students?	32 (55,2 %)	26 (44,8 %)				
	Evaluate the openness and accessibility of the management						
12	• Students	39 (67,2 %)	19 (32,8 %)				
13	• teachers	35 (60,3 %)	23 (39,7 %)				
14	Evaluate the involvement of the teaching staff in the process of making managerial and strategic decisions	26 (44,8 %)	32 (55,2 %)				

15	How is the innovative activity of teaching staff encouraged?	34 (58,6 %)	23 (39,7 %)	1 (1,7 %)			
16	Evaluate the level of feedback between the teaching staff and the management	35 (60,3 %)	23 (39,7 %)				
17	What is the level of stimulation and involvement of young professionals in the educational process?	31 (53,4 %)	26 (44,8 %)	1 (1,7 %)			
18	Evaluate the created opportunities for professional and personal growth for each teacher and employee	33 (56,9 %)	24 (41,4 %)	1 (1,7 %)			
19	Assess the adequacy of the recognition by the university management of the potential and abilities of teachers	30 (51,7 %)	27 (46,6 %)	1 (1,7 %)			
	How the job is set						
20	• Academic mobility	29 (50 %)	25 (43,1 %)	4 (6,9 %)			
21	• Professional development of teaching staff	35 (60,3 %)	22 (37,9 %)	1 (1,7 %)			
	Appreciate the support of the university and its management						
22	• Research initiatives of the Faculty	30 (51,7 %)	27 (46,6 %)	1 (1,7 %)			
23	• Development of new educational programs/academic disciplines/teaching methods	38 (65,5 %)	19 (32,8 %)	1 (1,7 %)			
	Evaluate the level of faculty's ability to combine teaching						
24	• with scientific research	27 (46,6 %)	29 (50 %)	1 (1,7 %)	1 (1,7 %)		
25	• with practical activities	32 (55,2 %)	25 (43,1 %)	1 (1,7 %)			
26	Evaluate how students' knowledge obtained at the university corresponds to the realities of the requirements of the modern labor market	33 (56,9 %)	24 (41,4 %)	1 (1,7 %)			

27	How does the management and administration of the university perceive criticism in their address?	23 (39,7 %)	32 (55,2 %)	3 (5,2 %)			
28	Evaluate how much your academic load meets your expectations and capabilities?	23 (39,7 %)	33 (56,9 %)	2 (3,4 %)			
29	Evaluate the focus of educational programs / training programs on the formation of students' skills and abilities to analyze the situation and make forecasts?	33 (56,9 %)	24 (41,4 %)	1 (1,7 %)			
30	Evaluate how the educational program in terms of content and quality of implementation meets the expectations of the labor market and employers	32 (55,2 %)	24 (41,4 %)	2 (3,4 %)			

Why do you work at this university?

Professional development

Professional interests coincide

Reputable educational institution

Satisfies my interests

There is an opportunity for professional development

Commitment to the university as a graduate of the specialty psychology

Alma mater, professional environment of the department

The best University in the region

For the realization of my professional interest, providing opportunities

High quality of Education

I am a graduate of this university, and I like it

My alma mater

There is a future

Ozime Unay

By profession

After all, while studying at the university, I was impressed by the level of knowledge of the teachers of this university, and I wanted to stay here and serve

According to my scientific direction, this is the best university in our region

The possibility of professional growth

I graduated from it myself, and I think that this is the best university in the region

during my studies at school, back in Soviet times, they came on an excursion to the university, which made a great impression on me. I've always wanted to work here

For the opportunity to implement a practical situation with professional interests and improve my competence

The best university in the region

Like

High fee fee

I graduated from this university, worked in managerial positions in various fields and, after graduate school, returned to the university. This made it possible to bring the experience of consulting and

consulting activities in practical psychology into the educational process. My commitment and loyalty to the university is based on identical values, an understanding of the mission, and a desire to train competitive specialists for my region.

a good team

Native university, like it

All conditions have been created

I am a graduate of this university and I love my university

1. Native university 2. The university provides an opportunity to improve professionally 3. A good microclimate at the department and at the university

Good material and technical base, opportunity for professional growth, support and encouragement of teachers, favorable environment

I am attracted by the opportunity to engage in pedagogical and scientific activities

Being a graduate of the S.Amanzholov Higher Educational Institution (bachelor's - master's - postgraduate studies), she found in her native university a worthy option for the realization of creative abilities and the level of education.

КЫЗЫҒУШЫЛЫҚ

a regional university with a 70-year history, OP has scientific schools, equipped laboratories for OP

S. Amanzholov VSU has excellent opportunities to study your favorite subject.

I like

the university to develop, use new technologies and apply the experience of previous years, the university has a fairly rich history and occupies advanced positions at the present time

The university meets my needs and desires in many ways

I like this university

"I don't know," I said. An interesting university life, the achievements of my university and the predominance of interest in teachers who gave me knowledge.

Positive communication in the team and the opportunity to improve your skills

Studentship is my element and I love my university

I arrived on assignment in 1977. This is my university

I work in my specialty.

The University where I studied

This is one of the best universities in East Kazakhstan

I graduated from it, graduated from graduate school, created opportunities for protection

This is my Alma Mater

Corresponds to my basic education

more than 35 years ago I was invited to work

My alma mater, there is a possibility of growth

32. How often are master classes and classes with the participation of practitioners held as part of your course?

very often	often	sometimes	very rarely	never
24 (41,4 %)	30 (51,7 %)	4 (6,9 %)		

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

very often	often	sometimes	very rarely	never
14 (24,1 %)	25 (43,1 %)	18 (31 %)	1 (1,7 %)	

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

Questions	Often	Sometimes	Never	No answer
Недостаток учебных аудиторий		18 (31 %)	40 (69%)	
Unbalanced academic load by semester	4 (6,9 %)	22 (37,9 %)	32 (55,2 %)	
Unavailability of necessary literature in the library	1 (1,7 %)	20 (34,5 %)	37 (63,8 %)	
Overcrowding of study groups (too many students in a group)	1 (1,7 %)	16 (27,6 %)	41 (70,7 %)	
Inconvenient schedule	1 (1,7 %)	22 (37,9 %)	35 (60,3 %)	
Inappropriate conditions for classes in classrooms		18 (31 %)	40 (69 %)	
Lack of Internet access/weak internet	2 (3,4 %)	25 (43,1 %)	31 (53,4 %)	
Students' lack of interest in learning		28 (48,3 %)	30 (51,7 %)	
Untimely receipt of information about events		13 (22,4 %)	45 (77,6 %)	
Lack of technical training facilities in classrooms	1 (1,7 %)	28 (48,3 %)	29 (50 %)	
Other problems	<p>No</p> <p>no</p> <p>No</p> <p>there are no problems</p> <p>Technical support</p> <p>Missing</p> <p>Quality of management. Corporate Scientific Ethics</p> <p>No problem</p> <p>The passing score for the grant for applicants is very high, because very few grants are allocated for teaching mathematics. As a result, the school has a shortage of mathematics teachers. There is a great demand for mathematics teachers from school principals</p> <p>There are no problems, all current problems are solvable problems</p> <p>There are so many students in lecture sagats.</p> <p>no</p> <p>To improve the public space for students, to make an open library, to organize places for coworking.</p> <p>There are no problems</p> <p>No</p> <p>-</p> <p>I would like less papers and reports</p> <p>There was no unresolved problem.</p> <p>I find it difficult to answer there seem to be no action-packed problems</p> <p>No problems</p>			

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

Questions	Completely satisfied (1)	Partly satisfied (2)	Not satisfied (3)	I find it difficult to answer (4)
The attitude of the university management towards you	50 (86,2 %)	8 (13,8 %)		
Relations with direct management	55 (94,8 %)	3 (5,2 %)		
Relations with colleagues at the department	55 (94,8 %)	3 (5,2 %)		
The degree of participation in management decision-making	45 (77,6 %)	12 (20,7 %)	1 (1,7 %)	
Relations with students	54 (93,1 %)	4 (6,9 %)		
Recognition of your successes and achievements by the administration	46 (79,3 %)	10 (17,2 %)	1 (1,7 %)	1 (1,7 %)
Support for your suggestions and comments	45 (77,6 %)	11 (19 %)	1 (1,7 %)	1 (1,7 %)
Activities of the university administration	40 (69 %)	16 (27,6 %)	2 (3,4 %)	
Terms of remuneration	37 (63,8 %)	19 (32,8 %)	2 (3,4 %)	
Working conditions, list and quality of services provided at the university	46 (79,3 %)	12 (20,7 %)		
Occupational health and safety	52 (89,7 %)	5 (8,6 %)	1 (1,7 %)	
Managing changes in the university's activities	47 (81 %)	11 (19 %)		
By providing a social package: rest, sanatorium treatment, etc.	35 (60,3 %)	19 (32,8 %)	3 (5,2 %)	1 (1,7 %)
Organization and quality of nutrition at the university	34 (58,6 %)	19 (32,8 %)	5 (8,6 %)	

Organization and quality of medical care	39 (67,2 %)	16 (27,6 %)	2 (3,4 %)	1 (1,7 %)
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Appendix 4. RESULTS OF THE SURVEY OF STUDENTS

Total number of questionnaires: 252

Paul:

Male	28 (11,1 %)
Female	224 (88,9 %)

Rate how satisfied you are:

Questions	Completely satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	I find it difficult to answer
1. Relations with the dean's office (school, faculty, department)	229 (90,9 %)	22 (8,7 %)			
2. The level of accessibility of the dean's office (school, faculty, department)	223 (88,5 %)	27 (10,7 %)			2 (0,8 %)
3. The level of accessibility and responsiveness of management (university, school, faculty, department)	227 (90,1 %)	23 (9,1 %)	1 (0,4 %)		1 (0,4 %)
4. Availability of academic counseling	218 (86,5 %)	32 (12,7 %)			2 (0,8 %)
5. Support of educational materials in the learning process	225 (89,3 %)	27 (10,7 %)			
6. Availability of counseling on personal problems	222 (88,1 %)	29 (11,5 %)			1 (0,4 %)
7. Student-teacher relationship	226 (89,7 %)	24 (9,5 %)		2 (0,8 %)	
8. Activities of financial and administrative services of the educational institution	219 (86,9 %)	31 (12,3 %)			2 (0,8 %)
9. Accessibility of health services	209 (82,9 %)	35 (13,9 %)	2 (0,8 %)	3 (1,2 %)	3 (1,2 %)

10. The quality of medical care at the university	199 (79 %)	40 (15,9 %)	1 (0,4 %)		12 (4,8 %)
11. The level of availability of library resources	232 (92,1 %)	16 (6,3 %)	1 (0,4 %)		3 (1,2 %)
12. Quality of services provided in libraries and reading rooms	239 (94,8 %)	10 (4 %)			3 (1,2 %)
13. Existing educational resources of the university	227 (90,1 %)	23 (9,1 %)			2 (0,8 %)
14. Availability of computer classes	221 (87,7 %)	26 (10,3 %)	2 (0,8 %)		3 (1,2 %)
15. Availability and quality of Internet resources	211 (83,7 %)	33 (13,1 %)	3 (1,2 %)	2 (0,8 %)	3 (1,2 %)
16. The content and information content of the website of educational organizations in general and faculties (schools) in particular	220 (87,3 %)	30 (11,9 %)			2 (0,8 %)
17. Classrooms, classrooms for large groups	220 (87,3 %)	29 (11,5 %)			3 (1,2 %)
18. Rest rooms for students (if available)	197 (78,2 %)	39 (15,5 %)	4 (1,6 %)	4 (1,6 %)	8 (3,2 %)
19. Clarity of disciplinary action procedures	219 (86,9 %)	29 (11,5 %)			4 (1,6 %)
20. The quality of the educational program as a whole	234 (92,9 %)	16 (6,3 %)		1 (0,4 %)	1 (0,4 %)
21. The quality of educational programs in the OP	235 (93,3 %)	15 (6 %)		1 (0,4 %)	1 (0,4 %)
22. Teaching methods in general	231 (91,7 %)	20 (7,9 %)			1 (0,4 %)
23. Quick response to feedback from teachers on the educational process	224 (88,9 %)	23 (9,1 %)	1 (0,4 %)	2 (0,8 %)	2 (0,8 %)
24. The quality of teaching in general	227 (90,1%)	22 (8,7 %)		1 (0,4 %)	2 (0,8 %)
25. Academic load/student requirements	226 (89,7 %)	23 (9,1 %)	1 (0,4 %)		3 (1,2 %)
26. The requirements of the teaching staff to the student	225 (89,3 %)	23 (9,1 %)	1 (0,4 %)		3 (1,2 %)

27. Informational support and explanation of the admission rules and the strategy of the educational program (specialty) before entering the university	228 (90,5 %)	21 (8,3 %)	2 (0,8 %)		1 (0,4 %)
28. Informing the requirements in order to successfully complete this educational program (specialty)	227 (90,1 %)	22 (8,7 %)		1 (0,4 %)	2 (0,8 %)
29. The quality of examination materials (tests and examination questions, etc.)	228 (90,5 %)	20 (7,9 %)	2 (0,8 %)	1 (0,4 %)	1 (0,4 %)
30. The objectivity of the assessment of knowledge, skills and other educational achievements	227 (90,1 %)	22 (8,7 %)	2 (0,8 %)		
31. Available computer classes	211 (83,7 %)	36 (14,3 %)		2 (0,8 %)	3 (1,2 %)
32. Available scientific laboratories	218 (86,5 %)	30 (11,9 %)		1 (0,4 %)	3 (1,2 %)
33. Objectivity and fairness of teachers	225 (89,3 %)	24 (9,5 %)	2 (0,8 %)		1 (0,4 %)
34. Informing students about courses, educational programs and academic degrees received	225 (89,3 %)	24 (9,5 %)	2 (0,8 %)		1 (0,4 %)
35. Providing students with a dormitory	213 (84,5 %)	26 (10,3 %)	1 (0,4 %)	3 (1,2 %)	9 (3,6 %)

Rate how much you agree:

Statement	Full consent	I agree	Partially agree	I don't agree	Complete disagreement	They didn't
36. The course program was clearly presented	221 (87,7 %)	25 (9,9 %)	5 (2 %)		1 (0,4 %)	
37. The course content is well structured	214 (84,9 %)	33 (13,1 %)	4 (1,6 %)		1 (0,4 %)	
38. The key terms are sufficiently explained	208 (82,5 %)	38 (15,1 %)	6 (2,4 %)			
39. The material proposed by the teacher is relevant and reflects the latest achievements of science and practice	206 (81,7 %)	41 (16,3 %)	4 (1,6 %)	1 (0,4 %)		
40. The teacher uses effective teaching methods	213 (84,5 %)	34 (13,5 %)	4 (1,6 %)	1 (0,4 %)		

41. The teacher owns the taught material	221 (87,7 %)	27 (10,7 %)	2 (0,8 %)	1 (0,4 %)	1 (0,4 %)	
42. The teacher's presentation is clear	211 (83,7 %)	37 (14,7 %)	4 (1,6 %)			
43. The teacher presents the material in an interesting way	206 (81,7 %)	39 (15,5 %)	5 (2 %)	2 (0,8 %)		
44. Objectivity of assessment of knowledge, skills and other educational achievements	208 (82,5 %)	39 (15,5 %)	3 (1,2 %)	2 (0,8 %)		
45. Timeliness of assessment of students' academic achievements	207 (82,1 %)	40 (15,9 %)	3 (1,2 %)	2 (0,8 %)		
46. The teacher meets your requirements and expectations of professional and personal development	204 (81 %)	42 (16,7 %)	2 (0,8 %)	4 (1,6 %)		
47. The teacher stimulates the activity of students	212 (84,1 %)	35 (13,9 %)	1 (0,4 %)	4 (1,6 %)		
48. The teacher stimulates the creative thinking of students	208 (82,5 %)	38 (15,1 %)	3 (1,2 %)	3 (1,2 %)		
49. The appearance and manners of the teacher are adequate	215 (85,3 %)	35 (13,9 %)	2 (0,8 %)			
50. The teacher shows a positive attitude towards students	210 (83,3 %)	36 (14,3 %)	5 (2 %)	1 (0,4 %)		
51. The system of evaluation of educational achievements (seminars, tests, questionnaires, etc.) reflects the content of the course	208 (82,5 %)	37 (14,7 %)	6 (2,4 %)	1 (0,4 %)		
52. The system of evaluation of academic achievements (seminars, tests, questionnaires, etc.) reflects the content of the course	204 (81 %)	43 (17,1 %)	5 (2 %)			
53. The teacher objectively evaluates the achievements of students	205 (81,3 %)	41 (16,3 %)	5 (2 %)	1 (0,4 %)		
54. The teacher speaks a professional language	203 (80,6 %)	45 (17,9 %)	4 (1,6 %)			
55. The organization of education provides sufficient opportunity for sports and other leisure activities	199 (79 %)	48 (19 %)	4 (1,6 %)	1 (0,4 %)		
56. Facilities and equipment for students are safe, comfortable and modern	191 (75,8 %)	52 (20,6 %)	6 (2,4 %)	3 (1,2 %)		

57. The library is well equipped and has a sufficient fund of scientific, educational and methodological literature	205 (81,3 %)	44 (17,5 %)	2 (0,8 %)	1 (0,4 %)		
58. Equal opportunities for the development of OP and personal development are provided to all students	211 (83,7 %)	37 (14,7 %)	1 (0,4 %)	3 (1,2 %)		

Other problems regarding the quality of teaching:

There are no problems

I find it difficult to answer

No problem

Everything is fine

Ulken I can say thank you to the teachers and staff of the Department!!!

I believe that the quality of training is at the highest level

I am completely satisfied

Everything is at the highest level

No other problem

We have everything great

no problems yet

Satisfied with everyone no problem

No other problems

The problems have not yet met

No problem everything is fine!

So far, everything is fine.

Everything is good there is no more problem

There are no problems

I have no complaints

All right

Everything is at the highest level!

All conditions have been created for the acquisition of knowledge and replenishment of knowledge. For the same. Read.read and read!

Everything is at the highest level. I was disappointed