



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission for the evaluation for compliance with the standards of primary specialized accreditation of educational programs 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and computer science

NJSC Arkalyk Pedagogical Institute named after I. Altynsarin

Date of EEC visit: from April 03 to April 05, 2023

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

Addressed to
Accreditation
Council of the IAAR



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Arkalyk city

April 05, 2023

CONTENT

(I) LIST OF SYMBOLS AND ABBREVIATIONS.....	3
(II) INTRODUCTION.....	4
(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION	6
(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE.....	7
(V) DESCRIPTION OF THE VISIT EEC	8
(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS	9
6.1. Standard "Management of the educational program"	9
6.2. Information Management and Reporting Standard	12
6.3. Standard "Development and approval of the educational program"	14
6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"	18
6.5. The standard "Student-centered learning, teaching and assessment of academic performance"	20
6.6. The "Students" standard	23
6.7. The standard "Teaching staff"	26
6.8. The standard "Educational resources and Student Support systems"	28
6.9. The standard "Informing the public"	31
(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD	34
(VIII) OVERVIEW RECOMMENDATIONS FOR QUALITY IMPROVEMENT	35
(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION	37
(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL	38
Appendix 1. Evaluation table "PARAMETERS OF A SPECIALIZED PROFILE"	39
Appendix 2. THE PROGRAM OF THE VISIT TO THE EDUCATIONAL ORGANIZATION PROGRAM	47
Appendix 3. RESULTS OF THE SURVEY OF teaching STAFF.....	53
Annex 4. RESULTS OF STUDENT QUESTIONNAIRE	58

(I) LIST OF SYMBOLS AND ABBREVIATIONS

RK	The Republic of Kazakhstan
MSHERK	Ministry of Science and Higher Education of the Republic of Kazakhstan
AC	Accreditation Council
BA	Undergraduate
MA	Master's degree
PhD	doctoral studies
IHE	higher education institution
EEC	External expert commission
SMSE	State mandatory standard of education
SPDE	State Program for the Development of Education
IAAR	Independent agency of accreditation and rating
SC MES RK	Science Committee of the Ministry of Science and Higher Education of the Republic of Kazakhstan
MEP	Modular educational program
RW	Research work
IKAQAE	Independent Kazakhstan Agency for Quality Assurance in Education
RWS	Research work of students
EP	Educational program
OR	Registrar's Office
NPA	Normative legal acts
NQF	National Qualifications Framework
NQS	National system of qualifications
TS	Teaching staff
ECTS	European Credit Transfer and Accumulation System
ESG	Standards and guidelines for quality assurance in the European Higher Education Area
QF-EHEA	Qualifications frameworks in the European Higher Education Area

(II) INTRODUCTION

In accordance with the order No. 100-22-OD dated March 16, 2023 of the General Director of the National Institution "Independent Agency for Accreditation and Rating" from April 3 to April 5, 2023, an external expert commission assessed the quality of educational programs 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and informatics for compliance with the Standards for specialized accreditation of the educational program of higher and (or) postgraduate education (Approved and put into effect by the order of the Director General of the NU "Independent Agency for Accreditation and Rating" dated June 16, 2020 No. 57-20-OD).

The report of the external expert commission (EEC) contains the result of the evaluation of educational programs 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and computer science according to the IAAR criteria, recommendations of the EEC for further improvement of the educational program and the conclusion of the external expert commission (Appendix 1. Parameters of a specialized profile).



Composition of the EEC

1. Chairman of the commission - Skiba Marina Alexandrovna, candidate of pedagogical sciences, associate professor, Chairman of the Expert Council of the IAAR, expert of the 1st category (Astana, Kazakhstan); (off-line participation)
2. IAAR expert - Andrey Tamyarov, Candidate of Technical Sciences, Associate Professor, Ulyanovsk State Technical University; (On-line participation)
3. Expert IAAR - Bakenova Zhenisgul Birzhanovna, PhD, assoc. Professor, Kazakh National Agrarian University (Almaty, Republic of Kazakhstan); (On-line participation)
4. IAAR expert – OZgeldinova Zhanar OZgeldinovna, PhD, Associate Professor, Eurasian National University. L.N. Gumilyov (Astana, Republic of Kazakhstan); (off-line participation)
5. Expert IAAR - Safarov Ruslan Zairovich, Candidate of Chemical Sciences, Associate Professor, Eurasian National University. L.N. Gumilyov (Astana, Republic of Kazakhstan); (off-line participation)
6. Expert IAAR - Sagimbayeva Shynar Zhanuzakovna, Candidate of Physical and Mathematical Sciences, Associate Professor, Aktobe Regional State University. K.Zhubanova (Aktobe, Republic of Kazakhstan); (On-line participation)
7. Expert IAAR - Khamraev Sheripidin Itakhunovich, Candidate of Technical Sciences, Professor, Kazakh National Pedagogical University. Abai (Almaty, Republic of Kazakhstan); (On-line participation)
8. IAAR Expert, Employer – Dzhagiparova Gulmira Zeinulovna, Head of Commercial Unit, KT Cloud lab; (On-line participation)
9. Expert IAAR, Student - Omarova Adel, member of the Alliance of Students of Kazakhstan, Kazakh Agrotechnical University named after S.Seifullin; (On-line participation)
10. Expert IAAR, Student - Kəlibaykyzy Aktoty, 2nd year undergraduate OP 7M01503-Chemistry, Kazakh National University named after. Al-Farabi; (On-line participation)
11. Expert IAAR, Student - Ablaykhan Almukhanov, 2nd year master student, Kokshetau University named after Valikhanov; (On-line participation)
12. Expert IAAR, Student - Belyankova Elizaveta, doctoral student of the 3rd year of study of the EP "Chemistry", Kazakh-British Technical University. (On-line participation)

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

Arkalyk Pedagogical Institute named after I. Altynsarin (hereinafter referred to as ArkPI) has been operating in the educational services market since April 1972 in accordance with Decree No. 220 of the Central Committee of the Communist Party of Kazakhstan and the Council of Ministers of the Kazakh SSR.

At the moment, the full name of the educational institution - NJSC "Arkalyk Pedagogical Institute named after I. Altynsarin" on the basis of the state license for educational activities No. KZ45LAA00018500 dated July 28, 2020, provides training in undergraduate educational programs and in accordance with the approved register. The Institute fully owns academic resources for the implementation of educational activities in accredited EPs on the basis of past institutional accreditation. The right of the Institute to train specialists in educational programs 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and Informatics is confirmed by license No. KZ45LAA00018500.

The Institute carries out its activities on the basis of the following constituent documents:

- The Charter of the Arkalyk State Pedagogical Institute named after Y. Altynsarin, approved by the order of the Chairman of the State Property and Privatization Committee of the Ministry of Finance of the Republic of Kazakhstan (No. 326 of May 28, 2020), registered by the Department of Justice of the Kustanai region (No. 990240005309 of June 30, 2020);

- Certificate of state registration of a legal entity - series BIN 990240005309, dated June 30, 2020.

The structure of the institute is represented by the following faculties: natural science and informatization, pedagogy and philology, history and art.

In September 2022-2023 academic year, the contingent of undergraduate students amounted to 1039 people, of which 846 people. studying on a government grant. The total contingent was 2489 people.

Training of specialists in EP 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and computer science at the Department of Physics and Mathematics.

The Department of Physics and Mathematics of the Arkalyk State Pedagogical Institute named after I. Altynsarin was established in 1972 as one of the first departments, the Department of Informatics was established on September 9, 2009.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

The result of the previous accreditation is the Decision of the meeting of the Accreditation Council of the Independent Accreditation and Rating Agency (NAAR) dated December 23, 2018, according to which the Arkalyk Pedagogical Institute named after I. Altynsarin was recognized as having passed specialized accreditation in 5B010900-Mathematics, 5B011000-Physics, 5B011100-Computer Science - for 5 years.

A total of 16 recommendations were made for the EEC cluster.

Completed in full:

1. Develop a procedure for updating strategic documents for the development of accredited educational programs
2. Continue the practice of assessing the risks of developing OP
3. Consider the possibility of introducing dual training in the experimental mode.
4. Continue the practice of involving specialists in the work to determine the influence of disciplines and professional practices on the formation of learning outcomes.
5. Update the provision on the development of criteria for evaluating all types of educational work of students (practice, laboratory work, all types of independent work of students, etc.).
6. Continue to work on establishing feedback on the use of various teaching methods and the assessment of learning outcomes on a systematic basis that is understandable to all participants in the educational process
7. Develop a program for the implementation of internal and external academic mobility of students
8. To provide support for gifted students on a systematic basis, create a database of gifted students
9. Contribute to informing the teaching staff about the possibilities of incoming and outgoing academic mobility
10. Develop a system for rating the activities of teaching staff (based on KPI), based on the results of which make decisions on rewarding and encouraging
11. Consider the possibility of conducting practical and laboratory classes on the basis of schools
12. Organize work on the examination of the results of research, final works for plagiarism
13. To provide for the acquisition of equipment and software similar to those used in modern schools in the development plan of accredited EPs (in particular, to plan the purchase of laboratory equipment in physics, which is used in modern school physics classrooms).

Partially completed:

1. For the development of trilingual education, consider the possibility of creating conditions for students to choose the language of study of individual modules, regardless of the language of instruction.
2. Consider the possibility of developing joint educational programs in the areas of training "Physics", "Informatics", "Mathematics" with foreign educational organizations.
3. In order to prepare future teachers for work in the conditions of the updated content of education, continue the practice of involving school teachers in teaching within the framework of the EP

(V) DESCRIPTION OF THE VISIT EEC

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission for quality assessment for compliance with the standards of the IAAR for specialized accreditation of educational programs of the NJSC Arkalyk Pedagogical Institute named after I. Altynsarin from April 3 to April 5, 2023.

In order to coordinate the work of the EEC, on April 2, 2023, an introductory On-line meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of assessment methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, on-line / off-line meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans, heads of departments, teachers, students. A total of 70 representatives took part in the meetings (Table 1).

Table 1 - Information about the focus groups that took part in the meetings with the EEC IAAR:

Participant category	Quantity
Chairman of the Board - Rector	1
Vice-rectors	1
Heads of structural divisions	9
Deans	1
OP leaders	6
Teachers of EP 1, 2 clusters	9
Students of OP 1, 2 clusters	22
Graduates of OP 1, 2 clusters	11
Employers of OP 1, 2 clusters	10
Total	70

During the visual inspection, off-line members of the EEC got acquainted with the state of the material and technical base, and also looked at the departments implementing accredited educational programs, members on-line watched videos.

During the visual inspection, off-line members of the EEC got acquainted with the state of the material and technical base, and also got acquainted with the staff and documentation of the department implementing accredited educational programs, members of the EEC who worked on-line had the opportunity to familiarize themselves with electronic copies of documents, as well as with the material and technical video base.

During the accreditation period, offline classes were attended

During the work, members of the EEC conducted a visual inspection of the bases of practice using the video link, and the experts of the commission visited the bases of practices in 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and computer science.

In accordance with the accreditation procedure, a survey of 23 teachers and 135 students was conducted.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. STANDARD "MANAGEMENT OF THE EDUCATIONAL PROGRAM"

- ✓ *The university must demonstrate the development of the goal and development strategy of the EP based on the analysis of external and internal factors with the wide involvement of various stakeholders.*
- ✓ *The quality assurance policy should reflect the relationship between research, teaching and learning.*
- ✓ *The university demonstrates the development of a culture of quality assurance.*
- ✓ *Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility.*
- ✓ *The management of the EP ensures the transparency of the development plan for the development of the EP based on the analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of students, the state, employers and other stakeholders.*
- ✓ *The EP management demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP.*
- ✓ *The EP management should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan.*
- ✓ *The EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national development priorities and the development strategy of the educational organization.*
- ✓ *The university must demonstrate a clear definition of those responsible for business processes within the framework of the EP, the distribution of staff duties, and the delimitation of the functions of collegial bodies.*
- ✓ *The management of the EP ensures the coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, and also involves all interested parties in this process.*
- ✓ *The EP management must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions.*
- ✓ *The management of the EP should carry out risk management.*
- ✓ *The management of the EP should ensure the participation of representatives of stakeholders (employers, teaching staff, students) in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.*
- ✓ *The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.*
- ✓ *The management of the EP must demonstrate its openness and accessibility for students, teaching staff, employers and other interested parties.*
- ✓ *The management of the EP confirms the completion of training in education management programs.*
- ✓ *The management of the EP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure.*

Evidence part

Development plans for accredited educational programs have been developed in accordance with the Strategic Development Plan for 2020-2025 of the NJSC "Arkalyk

Pedagogical Institute named after V.I. Y. Altynsarin”, adopted at a meeting of the Academic Council (minutes No. 4 dated 06/15/2022) with the participation of employers - educational organizations, graduates and students.

The mission, goals, objectives of the institute correspond to the goals and objectives of the national system of education and development of the country. The goals and objectives of the EP are determined in accordance with the global mission of the institute - providing quality education through the development of innovative educational technologies and interaction with employers. Thus, the following goals and objectives are defined for the accredited EPs:

The purpose of educational programs 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and Computer Science: training a qualified teacher of mathematics and physics, mathematics and computer science in the subject area and within the framework of the organization of the educational process in the conditions of the updated content of secondary education.

Objectives of educational programs: providing high-quality training for teachers of mathematics, physics and computer science who have the opportunity to master education in accordance with the social order of society and world education standards.

The transparency of the management process is based on the "Regulations on the educational program and the procedure for its development", approved Approved at a meeting of the Academic Council of the Arkalyk Pedagogical Institute named after I. Altynsarin on August 26, 2020, protocol No. 1 (as amended and supplemented on May 04 2022 in protocol No. 10).

(https://api.edu.kz/images/files_institut/polozheniya_kaz/5Bilim_beru_bagdarlamasy_zhane_ony_azirleu_tartibi.pdf).

The institute documented procedures for areas of activity, published on the website <https://www.api.edu.kz/index.php/ru/common/normativnye-dokumenty/vnutrennie-normativnye-dokumenty>.

The management of the EP ensures the transparency of the management system, this is reflected in the minutes of the meeting of the department, presented on the website and in the report, and they also use the following communication channels: advisory hours, curatorial hours, information stands, the Platonus system, social networks.

During the reporting period, all heads of accredited educational programs underwent advanced training under the program of management in education:

The evaluation of the quality and effectiveness of the EP is carried out on the basis of the analysis of curricula, selective disciplines, EMCD, questioning of students and teaching staff, mutual attendance of teaching staff classes, discussion and analysis of the results of students' progress, passing all types of practices, the quality of final works and comprehensive exams, which is discussed at the meetings of the department reflected in the protocols.

To determine the level of consumer satisfaction, a survey of consumer groups is organized and conducted annually: employers, students, teachers and employees of the institute. The university has a "Guide to the internal system of quality assurance", "Code of honor of the teacher ArkPI named after I. Altynsarin" (<https://api.edu.kz/index.php/ru/obuchenie/kodeks-chesti-prepodavatelya>) "Code of honor student" (<https://api.edu.kz/index.php/ru/obuchenie/kodeks-chesti-studenta>).

The EP guidance demonstrates evidence of openness and accessibility for students, teaching staff, employers and other stakeholders. Information on the EP is available on the official website of the Institute in the public domain.

Analytical part

Analysis of the information provided and supporting documents in accordance with this standard allows us to draw the following conclusions.

The Institute demonstrates the management of educational programs in the context of the implementation of strategic documents. The management of the EP demonstrates the consistency of the OP / PMM with the national development priorities and the development strategy of the

educational organization. The university has provided a Quality Assurance Policy, in general, reflecting the interaction between the business community, the scientific community, teaching staff and students. However, it is not enough to disclose the mechanism for introducing innovative scientific research and the relationship with teaching.

Employers and students are involved in the development and implementation of EP development plans. The variable part of the educational programs was supplemented as a result of the recommendations of the stakeholders. However, attention should be paid to the development of indicators of achievement of results, specific activities and deadlines for their implementation.

The management of the institute demonstrated that the mechanisms for implementing business processes, the distribution of powers between collegiate bodies, and the management of educational activities are described in regulatory documents and approved by the Academic Council of the institute.

Developers of accredited EPs have not identified possible risks, have not developed a Risk Management Plan affecting the development of EPs, and have not carried out a SWOT analysis of the current state of educational programs. More attention should be paid to the possibilities of risk management and ways to prevent adverse factors.

The university uses the automated information system of electronic document management "PLATONUS" for planning, managing, monitoring and analyzing the quality management system, managing documented information, conducting internal audits in accordance with the quality management system in force at the institute, which regulates these processes by internal regulatory documents.

During the interviews with the SP and with the students, the clarity and coherence of the work of the institution of curatorship was noted.

The university management demonstrated openness in communication with students, which is also confirmed by the results of the survey (see Appendix)

The management of the EP does not sufficiently demonstrate the functioning of the internal quality assurance system of the EP in terms of the development and management of innovations, including in the educational process. A systematic approach to innovation management was not reflected in the EP development plans. The EEC considers it necessary to develop a plan for improving innovation management mechanisms, which provides for the introduction of various types of educational, scientific, extracurricular activities that allow flexible and dynamic response to all innovative processes, products and services both in education and in professional and scientific fields.

Strengths/best practice:

- there is direct access to the personal page of the rector's website
- regular meetings of the institute's top management with students on all exciting issues and emerging situations were organized;
- especially noteworthy is the established institution of curatorship

Recommendations of the EEC

- the management of the EP to consider the inclusion in the development plan of the EP of the introduction of innovative proposals that provide a link between scientific research, teaching and learning (Deadline: 09/01/2023);
- the university management update the regulatory documentation for the formation and revision of the EP development plan, indicating the mechanisms for attracting stakeholders (Deadline: 09/01/2023);
- the management of the university and the EP to consider the possibility of including the risk management procedure in the development strategy of the OP (Deadline: 01.01.2024)

The conclusions of the EEC according to the criteria: strong - 1, satisfactory-15, suggest improvements-1.

6.2. INFORMATION MANAGEMENT AND REPORTING STANDARD

- ✓ *The university must ensure the functioning of the system for collecting, analyzing and managing information based on modern information and communication technologies and software.*
- ✓ *The EP Guide demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system.*
- ✓ *The management of the EP demonstrates the presence of a reporting system that reflects the activities of all structural units and departments within the EP, including an assessment of their performance.*
- ✓ *The university must determine the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management.*
- ✓ *The university must demonstrate the mechanism for ensuring the protection of information, including the identification of persons responsible for the reliability and timeliness of the analysis of information and the provision of data.*
- ✓ *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 EP management must demonstrate the existence of communication mechanisms with students, employees and other stakeholders, including conflict resolution.*
- ✓ *The university must ensure the measurement of the degree of satisfaction with the needs of students, teaching staff and staff within the framework of the EP and demonstrate evidence of the elimination of identified shortcomings.*
- ✓ *The university should evaluate the effectiveness and efficiency of activities in the context of the EP.*
- ✓ *The information collected and analyzed by the university within the framework of the EP should take into account:*
 - ✓ *key performance indicators;*
 - ✓ *the dynamics of the contingent of students in the context of forms and types;*
 - ✓ *academic performance, student achievement and dropouts;*
 - ✓ *satisfaction of students with the implementation of the EP and the quality of education at the university;*
 - ✓ *availability of educational resources and support systems for students;*
 - ✓ *employment and career growth of graduates.*
- ✓ *Students, teaching staff and staff must document their consent to the processing of personal data.*
- ✓ *The management of the EP should contribute to the provision of the necessary information in the relevant fields of science.*

Evidence

Information management in the university includes the management of information flows "top-down" (classical dissemination of organizational and managerial information) and "bottom-up" (feedback, giving an idea of the response to managerial impact, reporting and initiative proposals).

Information management processes at the university, including within the framework of accredited educational programs, are regulated by internal documents. In the activities of the university, both online information is widely used - through LMS Platonus, corporate mail, social networks, and traditional - through holding meetings of collegiate bodies, approving local

acts and familiarizing them with orders and orders. VEC received confirmation of the upcoming upgrade of LMS Platonus to the current full version in May.

Informing is realized through the work of collegiate bodies, scheduled meetings of the rector with the staff, with students, holding receptions of the rector and top management of the university on personal and official issues; questions and answers on the blog of the rector, deans; consultations and curatorial hours; information stands; polls. Efficiency of dissemination of information is achieved due to the presence of groups and mailing lists in social networks.

The sources of information regarding the formation and implementation of the EP development plan are meetings of collegiate bodies, the portal of the institute, questionnaires and sociological surveys of target groups within the institute. The collection of information is also carried out on paper by requesting supporting documents from the relevant departments, collecting information into a single database.

The main channels for the direct dissemination of information within the university are:

- use of traditional document management system;
- holding meetings and meetings;
- LMS, which aggregates information regarding students and educational programs.
- publication of information on information stands;
- publications in social networks.

Feedback is provided through reporting, questionnaires, official records, publications in social networks. Reports on academic activities are provided at the end of the academic year, on research activities at the end of the calendar year. PPP reports are collected twice a year - at the end of each semester, after a year, an analysis of the implementation of plans is carried out.

Also, the heads of educational programs, the dean's office and structural divisions carry out ongoing internal control of activities.

Analytical part

The EEC notes that the university has an information and reporting management system, which is characterized by indicators and processes traditional for universities. Particular attention is paid to the systematic review of the effectiveness of the decisions made and the monitoring of the activities of departments and programs at meetings of the Academic Council.

The EEC notes that the university holds meetings with representatives of key stakeholders, conducts regular surveys of students and employers, and based on the results of their surveys / interviews, appropriate measures are taken to eliminate shortcomings. Thus, the management of accredited EPs is working to ensure the transparency of information in the process of auditing the quality of education and their results.

The information about the availability of special information resources of the OP (website, stand, etc.) was confirmed, through which information is disseminated. It shows the existence of documented information management processes and who is responsible for their functioning, reliability and systematic use of adequate information to improve the internal quality assurance system.

EEC confirms the prompt informing of students, employees and teaching staff of the university about changes associated with a force majeure situation. During the meetings, the participants demonstrated a sufficient level of information about the processes taking place within the framework of the activities of the university and educational programs.

A survey of students conducted during the visit of the EEC IAAR showed satisfaction with informing students about courses, educational programs, and academic degrees.

However, in order to improve the management of information and reporting, management needs to pay attention to the following issues. First, the creation of a database on the assessment of the quality of educational activities. This will allow collecting and analyzing data on important aspects of the quality of education, such as the results of students' educational

activities, the opinions of employers, the organization of the educational process, the management of the EP, and others. The database makes it possible to identify problem areas that require development or good practice for wide dissemination. Secondly, the determination of the frequency, form and methods of assessment allows for systematic reporting activities and taking measures to ensure the quality of educational activities. Thirdly, the revision and specification of the program for the development of the EP, taking into account changes in the legal acts or internal regulations.

Strengths/best practice:

- the presence of a system of permanent offline and digital channels for transmitting information;
- systematic use of processed, adequate information to improve the internal quality assurance system;
- there is a regular reporting system that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research;
- availability of a mechanism for communication with students, employees and other stakeholders, including the availability of conflict resolution mechanisms;

Recommendations of the EEC

- consider the possibility of designing and filling a database with information on quality assurance (questionnaires, surveys, etc.) for a period of at least three years, indicating recommendations for managing the EP (Deadline: 09/01/2024);
- develop a local act defining the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management (Deadline: 01/01/2024);
- carry out work to revise and specify the EP development program, taking into account changes in professional standards and other regulatory documents, including at the national level (Deadline: 09/01/2023).

The conclusions of the EEC according to the criteria: strong - 1, satisfactory-15, suggest improvements-1.

6.3. STANDARD "DEVELOPMENT AND APPROVAL OF THE EDUCATIONAL PROGRAM"

- ✓ *The university must demonstrate the existence of a documented procedure for the development of the EP and its approval at the institutional level.*
- ✓ *The university must demonstrate the compliance of the developed EP with the established goals and planned learning outcomes.*
- ✓ *The EP management should determine the influence of disciplines and professional practices on the formation of learning outcomes.*
- ✓ *The university demonstrates the presence of a model of a graduate of the EP, describing the learning outcomes and personal qualities.*
- ✓ *The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA.*
- ✓ *The management of the EP should demonstrate the modular structure of the program based on ECTS, ensure that the structure of the content of the EP corresponds to the goals set, with a focus on achieving the planned learning outcomes for each graduate.*
- ✓ *The management of the EP should ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of education (bachelor's, master's, doctoral studies).*

- ✓ *The management of the EP must demonstrate the conduct of external examinations of the EP.*
- ✓ *The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development and quality assurance of the EP.*
- ✓ *The EP management must 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 a joint (s) and / or double-diploma EP with foreign universities.*

Evidence

SP at the university are developed on the basis of the National Qualifications Framework, professional standards, agreed with the Dublin descriptors and the European Qualifications Framework.

The procedure for the development of educational programs in the areas of training implemented at the institute is indicated in the internal regulatory document of ArPI named after I. Altynsarin in accordance with the "Regulations on the educational program and the procedure for its development" (https://api.edu.kz/images/files_institut/polozheniya_kaz/5Bilim_beru_bagdarlamasy_zhane_ony_azirleu_tartibi.pdf).

The development of accredited EPs begins with the construction of a graduate model, which is formulated in such a way that it is possible to consistently determine the competencies of a specialist. The graduate model is developed individually for each level of study, while offering various positions, enterprises, work functions, learning outcomes (Dublin descriptors). The graduate model is discussed with employers and reviewed at OP meetings. Samples of the model of graduates of accredited EPs are posted on the Institute's website (<https://api.edu.kz/index.php/kz/zhalpy-a-parat/institut-missiyasy>).

Learning outcomes for each EP are formed both at the level of the entire EP, and at the level of individual modules or academic discipline.

Table. The influence of disciplines and practices on the formation of learning outcomes for the EP

Disciplines and practices	Formation of learning outcomes
6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and computer science	
Educational and introductory 1 course Pedagogy	Masters the basics of pedagogical and psychological disciplines, develops moral values and patriotic qualities in accordance with the age characteristics of students and knows how to organize educational work
Pedagogical and psychological practice 2 course Pedagogical psychology	The skill of practical acquaintance with the procedure for studying the psychological and pedagogical characteristics of the team, conducting a psychological and pedagogical analysis of the lesson (educational event) is being formed. Can conduct psychological and pedagogical research of the class and individual students.
Pedagogical practice 3 course Theory and methods of educational work, methods	Gets acquainted with the educational and methodological documents of the classroom teacher and teacher (state standard, SMP, SMP, NMP, extracurricular activities, lesson plan, etc.). Masters the basics of pedagogical and psychological disciplines, develops moral values

of teaching mathematics, physics and computer science	and patriotic qualities in accordance with the age characteristics of students and knows how to organize educational work.
Industrial practice 4 course	
Methods of teaching informatics, new technologies in education, teaching mathematics in inclusive education	

When developing the EP, a special place is given to all types of practices that form learning outcomes and the required professional competencies of students.

Forms and activities of stakeholder participation in the development of EP, ensuring their quality are organized according to the following scheme:

students	teaching staff	Employers
Meeting of the head of the group, consultation with an adviser, practice report, formation of an individual learning path, annual collection and analysis of employment results, analysis of graduates' career growth	Participation in the work of the commission for conducting and mutual participation in the work of the academic council of the university, the office of the NGO institute, meetings of the EP, career guidance, the development of teaching materials, improving teaching technology, conducting open lessons of teaching staff.	External peer review, feedback on the results of practice, participation in OP meetings, round tables, meetings, etc.
Consideration at the Academic Council at the university, at the Faculty Academic Council		
Proposals for meetings of the teaching materials of the university, faculty, preschool educational institution		
Questionnaire		

In order to increase the effectiveness of the professional competence of future specialists, the content of the EP was agreed with the following employers: mathematics teacher of the gymnasium named after I.I. Altynsarina Dzhaketova S. D., teacher of physics Abdrakhmanova Zh. K., teacher of computer science Alimgereeva G. E., teacher of mathematics at the school-gymnasium named after A. Kunanbayeva Nurlybekova L., Kopanova L.N., Kosbergenova A.K., teacher of mathematics, secondary school №1 named after Sh. Ualikhanov Zhaparova I., Kubekova S. K., teacher of mathematics, physics, secondary school No. 3 named after B. Mailina Zhumagalieva G.S., Meiramova G.N. Keiki batyra Bekmuratova G. S., teacher of computer science Kaltay N. B., Abildina A. B., teacher of physics, secondary school No. 5 im. M. Auezova Ulysbaev E. E. They make their proposals on the subjects and features of the work of future graduates of the preschool educational institution.

The competitiveness of the EP in the market of educational services in the region can be judged by the employment of graduates, the level of which exceeds more than 90%. ArcPI is actively working on the employment of graduates. Assistance in the employment of graduates is carried out in accordance with the "Regulations on measures to promote the employment of graduates", approved by the Academic Council of the Institute (dated May 4, 2022 No. 10).

https://api.edu.kz/images/files_institut/polozheniya_kaz/16Tulekterdin_zhumysqa_ornala_suyna_zhademdesu.pdf

The uniqueness and relevance of accredited EPs is determined by their focus on the labor market of the region.

The readiness of students for professional certification in accredited EPs is determined as follows: 1) implementation of the curriculum; 2) a high level of mastering professional disciplines; 3) successful defense of the thesis; 4) positive results and characteristics of the leaders of the EP practice and the practice base; 5) motivation for high-quality performance of professional activities; 6) student self-government; 7) employment in the acquired specialty; 8) successful adaptation to the place of work; 9) high-quality performance of professional duties; 10) passing qualification tests for the OP

Analytical part

Analysis of the information provided and supporting documents in accordance with this standard allows us to draw the following conclusions.

1. The university documents the procedures for the development of the EP and their approval. This is evidenced by the fact that EPs are reviewed and discussed at meetings of collegiate bodies and reviewed by external experts. The EEC notes that the university needs to detail the local act for the development of the EP with a description of the mechanisms for attracting stakeholders.

2. The management of the EP determines the influence of disciplines and professional practices on the formation of learning outcomes. This fact confirms that learning outcomes are formed both at the level of the entire EP, and at the level of individual modules or academic disciplines, and during the passage of all types of practices.

3. The university demonstrates the presence of a graduate model of accredited EPs. The format of the graduate model is regulated in the regulation and is available at the link (<https://api.edu.kz/index.php/kz/zhalpy-a-parat/institut-missiyasy>). The graduate model is discussed at meetings with employers, as well as at a meeting of the academic committee.

4. The Institute prepares students for professional certification by studying the disciplines included in the EP and passing practice. However, the management of the accredited EPs did not show a list of disciplines, the content of which is aimed at preparing students for professional certification.

5. EEC members note that the management of the accredited EPs did not fully disclose the criterion for harmonizing the content of the EP with leading domestic and foreign universities.

6. Questioning of students, conducted during the visit of the EEC IAAR, showed that:

- the level of accessibility and responsiveness of the university management: fully and partially satisfied - 94.8%;
- availability for academic consulting: fully and partially satisfied - 97%;
- clarification before entering the rules and strategy of the educational program: fully and partially satisfied - 92.5%.

Strengths/best practice

- the management of the EP regularly conducts external reviews of the EP

Recommendations of the EEC

- to detail the local act for the development of the EP with a description of the mechanisms for attracting stakeholders (Deadline: 09/01/2023);

- to analyze the possibility of providing students with the possibility of professional certification in non-pedagogical areas of professional activity, for example, in the field of IT (Deadline: 09/01/2023);

- continue work on concluding cooperation agreements with foreign and leading national universities (Due date: 01/01/2024).

The conclusions of the EEC according to the criteria: strong - 2, satisfactory - 8, suggest improvements - 2.

6.4. STANDARD "CONTINUOUS MONITORING AND PERIODIC EVALUATION OF EDUCATIONAL PROGRAMS"

- ✓ *The university must ensure the revision of the structure and content of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society.*
- ✓ *The university must demonstrate the existence of a documented procedure for monitoring and periodic evaluation in order to achieve the goal of the EP and continuously improve the EP.*
- ✓ *Monitoring and periodic evaluation of the EP 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, progress and graduation of students;*
- ✓ *the 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 EP.*
- ✓ *The management of the EP should publish information about changes to the EP, inform interested parties about any planned or undertaken actions within the EP.*
- ✓ *Support services should identify the needs of various groups of students and the degree of their satisfaction with the organization of training, teaching, assessment, mastering the EP in general.*

The evidentiary part

Monitoring and periodic evaluation of university programs include various activities: examination at the department, institute level; analysis of labor market trends, requirements for graduates from employers; survey of stakeholders, etc. The frequency of revision of curricula and curricula of academic disciplines is once a year, after discussion of the changes made, reviews of experts (stakeholders), at meetings of departments.

One type of control is a questionnaire: "Student satisfaction with the results of education", "Teacher through the eyes of students", etc. sociological surveys are conducted. Along with the quality control of teaching, monitoring of the current and final control of students' knowledge is carried out.

The organization of professional practice is carried out on the basis of the rules for organizing, conducting professional practice and determining organizations as a base of practice at the Arkalyk Pedagogical Institute named after I. Altynsarin, approved in the academic policy of the Academic Council of the Arkalyk Pedagogical Institute named after I. Altynsarin, approved at the meeting of the Academic Council of the I. Altynsarin ArPI on May 04, 2022, available in open access on the website institute.

chrome-extension://efaidnbmnribpcajpcglclefindmkaj/https://api.edu.kz/images/files_institut/polozheniya_kaz/8Kasiptik_praktikany_uiymdastyru_otkizu_zhane_uiymdardy_praktika_bazasy_retinde_aiqyndau.pdf.

The implementation of the goals and objectives of professional practice is carried out by monitoring (Appendix 21).

The control of students' knowledge is organized in accordance with the academic policy of Protocol No. 10, approved at the meeting of the Academic Council of the Arkalyk Pedagogical Institute named after I. Altynsarin on May 04, 2022.

chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://api.edu.kz/images/files_institut/polozheniya_kaz/3Bilim_alushylardyn_ulgerimin_agymdagy_baqylau_aralyq_qorytyndy_attestattau0405.pdf.

In the AIS "PLATONUS", the student has free access to his virtual office, where he can view the academic calendar, individual curriculum, electronic journal, transcript, GPA, EUMCD scores and correspondence with teachers on issues that have arisen in it.

Based on the monitoring provided in Appendix 22, it is clear about the increased entrance scores of applicants in 2022-2023.

Monitoring of students' current academic performance, which provides for the assessment of students' academic performance in the framework of seminars, colloquiums, independent work under the guidance of a teacher, self-preparation, exams and practical training, is carried out through a rating system (Appendix 23).

Evaluation of the achievement of learning goals and results, compliance with the needs of students and employers is carried out by evaluating the results of the current, intermediate and final certification, evaluation of the results of practice and work of the certification commission, evaluation of the results of the survey of all interested parties, conclusions based on the results of the analysis of the report on the work of the department, etc.

The evaluation mechanisms at the department are control visits to classes (sociological surveys of participants in the educational process, feedback from external managers of practices), as well as an analysis of performance indicators. Monitoring includes tracking: students' attendance of classes; students' performance of tasks and independent work; students' delivery of tasks for current, boundary and final control; students' implementation of an individual plan of the student.

Analytical part

The analysis of accredited OP according to this standard allows us to draw the following conclusions: the report provides information on monitoring and periodic evaluation of OP 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and Computer Science, does not demonstrate an analysis of monitoring procedures and periodic evaluation of programs to achieve the goals of OP and the formation of planned learning outcomes. There is practically no information on the implementation of the OP on the website.

OP projects are discussed at meetings of the methodological bureaus of faculties, the educational and methodological council of the university. However, no supporting minutes of the meetings were provided.

Constant monitoring and periodic evaluation of accredited OP is carried out taking into account the proposals of students participating in the process of selecting and forming a list of elective disciplines, proposals of students based on the results of professional practices, proposals of employers. The evidence of the participation of students, employers and other stakeholders in the evaluation and revision of the OP are the minutes of the meetings of the department, which were also not presented.

The Institute has an official website. However, the members of the WEC note that the management of the OP should develop, implement and continue to keep up-to-date the procedure for informing stakeholders about changes accredited by the OP, including determining the most effective mechanisms for informing.

The survey of students conducted during the visit of the VEC NAAR showed that students assess the overall quality of educational programs as fully satisfied 74.1% and partially satisfied – 23.7%. Informing the requirements in order to successfully complete this educational program: "fully satisfied" – 73.3%, "partially satisfied" – 24.4%. The objectivity of the assessment of knowledge, skills and other educational achievements: "fully satisfied" – 71.1%, "partially satisfied" – 24.4%.

Strengths/best practices:

none

Recommendations of the EEC

- annually at the Academic Council of the Institute to consider the monitoring plan, as well as its results with the development of recommendations for improving the OP (Term: annually);
- to develop regulations for updating information on the development and changes of the OP in open sources (Deadline: 01.01.2024).

The conclusions of the EEC according to the criteria: strong - 0, satisfactory-10, suggest improvements-0.

6.5. THE STANDARD "STUDENT-CENTERED LEARNING, TEACHING AND ASSESSMENT OF ACADEMIC PERFORMANCE"

- ✓ *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

To ensure the transparency of teaching and evaluation, Methodological recommendations have been developed for the criteria-based assessment of student learning outcomes, which provides evaluation criteria for forms of control. The procedure for evaluating student learning outcomes is given in the Rules for Evaluating Learning Outcomes at the Arkalyk Pedagogical Institute named after I. Altynsarin https://api.edu.kz/images/files_institut/polozheniya_rus/12Pravila_ocenivaniya_rezultatov_obucheniya.pdf.

The University is working to create working conditions for inclusive education. One of the priority tasks is to ensure equal access of students to various educational programs equal to education. The following conditions have been created: there are ramps at the entrance to the university building, double-sided special markings are glued to the self-adhesive film. According to the educational program 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and Computer Science, there are currently no students with disabilities.

Advanced training of teachers and the use of the latest technologies in the classroom indicates that the teaching staff of the department are constantly in search of new forms and methods of teaching.

One of the factors of the quality of education is the introduction of innovative learning technologies into the educational process. The introduction of innovative teaching methods and technologies is established in the annual work plan of each OP. The quality of the provision of educational services is assessed by conducting open classes, mutual attendance of teaching staff, the head of the OP. The state of the introduction of innovative technologies is systematically reviewed at the meetings of the Academic Council of the Institute (No. 2 Protocol 26.09.2018, 28.11.2018 No. 5, - 14.03.2019 No. 9 Protocol, 27.11.2019 No. 4 Protocol, 25.12.2019 No. 5, 31.03.2021 No. 10 Protocol, 22.11.2021 No. 5 Protocol, 30.11.2022 No. 5 protocol).

Teaching staff conducts their research in the field of teaching methods of academic subjects of the OP "Mathematics", "Mathematics and Physics", "Mathematics and Computer Science", "Physics", "Physics and Computer Science", "Computer Science", "Computer Science, information and communication technologies and robotics", as well as problems of teaching methods of these subjects of mathematics, physics, computer science, as well as issues of teaching methods of teaching teaching staff are considered publications at international conferences.

There is a system of scientific and methodological seminars on the OP, the work of which is aimed at developing proposals and exchanging experience to improve the effectiveness of the introduction of innovative teaching methods.

At the Y. Altynsarin Institute, a student forms an individual learning trajectory based on the QED, by compiling an IUP for the current academic year. CEDs and RUPs are reviewed taking into account the needs of society, the economy and the labor market. The needs of students in the formation of an OP is carried out by conducting and analyzing the results of a survey of students and graduates, as well as by involving students in the formation of an OP, QED. In the 2020-2023 academic year, surveys were conducted in an online format

https://docs.google.com/spreadsheets/d/1-yBq5VnhEOhNGnLw_SfetzQfzXZQOtWGrWfXpbDMOdY/edit?usp=drivesdk
https://docs.google.com/spreadsheets/d/1NXAGzRyol2m6hvytWOiPfaq_xHS0XXRbRDV6GF4DzNw/edit?usp=drivesdk
<https://docs.google.com/spreadsheets/d/1uvSICyXawr7eBwMqHVQ3JvSVRFSvh-hLBSEB8TGStLI/edit?usp=drivesdk>

Based on the analysis of the feedback results, the OP makes a decision to intensify work in the field of teaching methods or to change and revise methods and evaluate learning outcomes. Provides support for the student's sense of autonomy by providing appropriate guidance and assistance from the teachers of the OP. Teachers of the OP supervise students throughout the entire period of study.

The progress of students along the educational trajectory is tracked through the modules of AIS "Platonus". In order to monitor the results of training, the heads of departments have access to the functions of viewing the academic and academic achievements of students.

The transfer of students from course to course is carried out according to the results of the summer examination session, taking into account the results of the summer semester. The basis for transferring a student from a course to the next course at the end of the academic year is the implementation of an individual curriculum and the absence of financial arrears for tuition fees.

Students of accredited educational institutions are informed in a timely manner about the criteria and procedures used for evaluating learning outcomes, exams and other types of assessment of academic performance. In the "Platonus" program, students can view information about the teacher, educational and methodological documentation, class schedules, etc.

In order to implement the Institute's strategy aimed at improving the quality of training specialists at the university, an Academic Policy has been introduced, which prescribes the code of academic integrity https://api.edu.kz/images/files_institut/Akadem_politika_31.08.2022.pdf.

The management of the OP uses in the educational process the information system for determining the borrowing of "Anti-Plagiarism" in order to implement the principles of academic integrity at the institute <https://www.antiplagiat.ru/>. The service is designed to check the written works of students of the Institute to detect borrowings in them in educational and scientific works.

The Institute applies the practice of appealing the results of complex testing and examination interviews. The procedure for appealing exam results is spelled out in the document "Rules for conducting ongoing monitoring of academic performance, intermediate and final certification of students at the Arkalyk Pedagogical Institute named after I. Altynsarin".

Questionnaires are conducted to identify the different needs of students. The Institute has formed a system for reviewing student complaints by the university management. The complaints procedure is carried out according to the scheme: curators / advisors, heads of the OP, Dean's office of the Faculty, Department of Internal Affairs, Rector.

Analytical part

The Commission notes that the Institute implements the approach of creating conditions for students by the university, which contributes to the effective advancement of the student along the chosen trajectory. It is also important that students build an individual educational trajectory using the disciplines of both the main educational program and the additional one.

The VEC notes that as a prompt response to student complaints, the management ensures the interaction of students with advisors, curators, and immediate response to student complaints resolved positively in their favor.

The VEC confirms that the university operates AIS "Platonus", which not only automates the learning process, but also aims to improve the internal quality assurance system as a whole. A personal account in the system is provided for each student and teaching staff.

During the interview with students, it was found out that the management of the OP uses in the educational process the information system for determining borrowing "Anti-Plagiarism" in order to implement the principles of academic integrity at the institute.

The feedback system on the use of various teaching methods and evaluation of learning outcomes has not been sufficiently demonstrated. Specific facts and examples of the use of teaching methods, including innovative and author's methods, are not presented.

Questionnaires of students are conducted in order to identify effective teaching methods, the degree of student satisfaction.

The survey of students conducted during the visit of the VEC NAAR showed that they were completely satisfied:

- responsiveness to feedback from teachers regarding the educational process – 68.1%;
- quality of teaching – 71.9%;
- objectivity and fairness of examinations and attestation – 71.1 %
- the quality of services provided in libraries and reading rooms – 83.7 %;
- support of educational materials in the learning process – 68.9%.

Strengths/Best practices:

- evaluators regularly improve their qualifications and possess modern methods of evaluating learning outcomes.
- the management of the educational program demonstrates support for the autonomy of students with simultaneous guidance and assistance from the teacher.

Recommendations of the EEC

- to develop a plan for discussing modern teaching methods on evaluating learning outcomes at methodological seminars of the department, faculty, institute (Deadline: 01.09.2023);
- to consider the possibility of organizing a permanent scientific and methodological seminar on the testing of teaching methods of OP disciplines, including with the involvement of leading national and international universities, as well as prominent public figures (Deadline: 01.09.2023);
- to consider the possibility of organizing a student seminar on the participation of students in testing methods of teaching disciplines and evaluating learning outcomes (Deadline: 01.09.2023).

The conclusions of the EEC according to the criteria: strong - 1, satisfactory-8, suggest improvements-1.

6.6. THE "STUDENTS" STANDARD

- ✓ *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

One of the strategic goals of the Institute is to ensure the formation of a contingent of students from among the most prepared and capable of continuing education applicants. The procedure for admission of applicants to the Institute is established on the basis of the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "On approval of Standard rules for admission to study in educational institutions implementing educational programs of higher and postgraduate education" (with amendments and additions) and is regulated by the internal regulatory document Rules for admission to the Arkalyk Pedagogical I. Altynsarin Institute (approved by the Decision of the Scientific Council of the I. Altynsarin Arctic Research Institute dated May 04, 2022|year, Protocol No. 10).

On the university's website, in the "Entrant" section, all materials reflecting the rules and procedure for admission, the characteristics of the proposed OP, the content of the entrance tests, the course of admission, the value of the passing score, etc. are posted. In the context of the pandemic, the Institute has created a virtual admission committee with open access through an online conference: <https://www.api.edu.kz/index.php/ru/applicant/virtualnaya-priemnaya-komissiya/>).

According to the rules of transfer, restoration, granting academic leave to students at the Arkalyk Pedagogical Institute named after I. Altynsarin (https://www.api.edu.kz/images/files_institut/polozheniya_rus/13Pravila_perevoda_i_vosstanovleniya_obuchaiucshikhsya.pdf/), transfer or restoration is carried out during the summer and winter holidays, subject to the complete completion of the first academic period. At the same time, the student can be transferred to any form of education, to any university.

Internal regulatory documents have been developed and approved for the adaptation of students (including foreign citizens): First-year Student's Guide <https://www.api.edu.kz/index.php/ru/obuchenie/2013-09-25-06-58-01> (where information about the university, the guidelines, the rules for organizing the educational process on credit technology of education, etc.), the Program for the adaptation of foreign students (https://www.api.edu.kz/images/files_institut/ofis/). Adaptation and support of applicants and students includes the work of an adviser, curator, dean's staff, whose duties are given in job descriptions. After the formation of the contingent, in the academic calendar for the first courses, the first week is allocated for training and informing newly enrolled students of the rules of credit technology.

The university has a mechanism for recognizing previous learning outcomes, which is reflected in the developed internal regulatory document, the Regulation on the procedure for transferring academic disciplines and practices at the Arkalyk Pedagogical Institute named after I. Altynsarin

(https://www.api.edu.kz/images/files_institut/polozheniya_rus/1Polozheniye_o_poryadke_perezhacheta_uchebnykh_disciplin_i_praktik.pdf), which defines the conditions for the transfer of disciplines, the conditions for the recertification (difference) of disciplines, the procedure for registration of recertified disciplines.

Within the framework of the Academic Policy, a "Regulation on the organization of academic mobility of students of the Arkalyk Pedagogical Institute named after I. Altynsarin" was developed, approved by the Academic Council (Protocol No. 10 dated May 04, 2022). https://api.edu.kz/images/files_institut/polozheniya_kaz/2Akademialyq_utqyrylyq_turaly.pdf

On the basis of Protocol No. 10 of March 29, 2017, approved by the Academic Council, on holding a selection competition for candidates for study abroad within the framework of academic mobility to higher education institutions, a special commission is created among ArPI students applying for academic mobility for the competition. https://api.edu.kz/images/files_institut/Untitledru.pdf

Academic mobility agreements have been concluded with 12 universities of Kazakhstan

for academic mobility.

The analysis showed that in 2018-2019 academic year mathematics – 80%, in 2019-2020 academic year mathematics - 100%, in 2020-2021 academic year mathematics - 100%, in 2021-2022 academic year employed – mathematics and physics - 100%, mathematics and computer science - 100%.

In order to improve the professional activity of graduates, a satisfaction analysis is carried out. In total, 13-20 employers take part in the survey for each academic year, 46.2% of employers rated the quality of the Institute's training as "very good", 69.2% of graduates of the institute for "higher professional training" compared to other universities, 100% of employers are satisfied with the level of graduate training. According to the survey results, the level of satisfaction of employers is 76%.

Analytical part

During the analysis of the submitted documents and the results of the visit to the institute, according to the results of meetings with students, graduates and employers, the commission concluded that the university has a policy of forming a contingent of students from admission to graduation.

The university has a public association "Alumni Association". Members of the Alumni Association are actively involved in the policy of contingent formation, the development of educational programs and the social life of the Institute.

Students express full satisfaction with the availability of academic counseling (100%); accessibility of health services (94.8%); availability of library resources (97.1%); existing educational resources (97%); overall quality of curricula (96.3%); objectivity and fairness of teachers (94.8%).

At the same time, the VEC notes that the following questions regarding this standard are not fully reflected and were not confirmed during the visit of the EC.

1) Support for gifted students. The key point, at the same time, is the development of a KPI mechanism to support and stimulate gifted students. This means that the approach should be focused not only on measuring and monitoring results, but also on the development of talented students in general.

2) Development of the institute of mentoring. Mentors can help university students and graduates improve the quality of education by providing them with additional support and knowledge. They can share their experience, advice and help in solving complex tasks that they face during training or in the process of professional activity.

Strengths/Best practices

- the management of the OP demonstrates that graduates of accredited OP have skills that are in demand in the labor market;

- The Alumni Association is functioning, the activities of the Association are documented. The main role of this structure is to communicate with the graduates of the ArcPI, to attract graduates to the activities of the institute.

Recommendations of the EEC

- consider the possibility of developing a KPI mechanism to support and stimulate gifted students as an integrated factor of youth support (Deadline: 01.01.2024);

- to consider the organization of the institute of mentors, which allows to activate the work of both students and graduates of the university (Deadline: 01.01.2024).

The conclusions of the EEC according to the criteria: strong - 3, satisfactory - 9, suggest improvements - 0.

6.7. THE STANDARD "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 staff development, 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 personnel policy of the Arkalyk Pedagogical Institute named after I. Altynsarin is reflected in the "Regulations on Personnel Policy" approved by the Academic Council of the Institute (01.09.2021). "Regulations on personnel policy" is open on the university's website https://api.edu.kz/images/files_institut/polozheniya_kaz/Kadrlyq_sayasat_turaly_erezhe.pdf

Appointment and promotion is carried out on the basis of the order of the Chairman of the Board-Rector of the Institute, taking into account the professional competence of employees and teaching staff. Vacant positions of teaching staff and researchers are occupied by competitive selection on the basis of the "Regulations on competitive replacement of positions of teaching staff and researchers — ArPI", approved by the Rector of the Institute by Protocol No.

1 of 29.01.2021. https://api.edu.kz/images/files_institut/%D0%9F%D0%BE%D0%BB%D0%BE%D0%B6%D0%B5%D0%BD%D0%B8%D0%B5%20%D0%BE%20%D0%BA%D0%BE%D0%BD%D0%BA%D1%83%D1%80%D1%81%D0%BD%D0%BE%D0%BC%20%D0%B7%D0%B0%D0%BC%D0%B5%D1%89%D0%B5%D0%BD%D0%B8%D0%B8%20%D0%B4%D0%BE%D0%BB%D0%B6%D0%BD%D0%BE%D1%81%D1%82%D0%B5%D0%B9%20%D0%9F%D0%9F%D0%A1%20%D0%B8%20%D0%BD%D0%B0%D1%83%D1%87%D0%BD%D1%8B%D1%85%20%D1%80%D0%B0%D0%B1%D0%BE%D1%82%D0%BD%D0%B8%D0%BA%D0%BE%D0%B2.pdf

The management of the OP demonstrated awareness of responsibility for its employees and ensuring favorable working conditions for them and changing the role of the teacher in connection with the transition to student-centered learning: a rating system of remuneration and financial incentives based on its results; free access to the library fund and information resources of the institute; creating conditions for the use of computer and office equipment, technical means in training, other equipment; assistance in participation in Kazakhstan and international competitions of scientific papers and competitions for individual grants; publication of methodological developments of employees; providing material support to undergraduates, doctoral students; awarding diplomas and commendations to the top management of the Institute in the field of educational and scientific activities, public work and many years of conscientious work.

The following conditions have been created for the professional development and realization of the creative needs of each category of employees of the department:

- assistance in participation in Kazakhstan and international competitions of scientific papers and competitions for individual grants;
- providing an opportunity to improve qualifications at the expense of the university in accordance with the decision of the rector's office.

In accordance with the Strategic Development Plan of the Institute for 2022-2025, advanced training courses are organized for the professional development and growth of teaching staff, which are held by teachers of the department in the new conditions of centralized training. The approved training plan for teaching staff is considered at the meeting of the OP. Every year, specialists of the HR department draw up a plan for professional development of employees and teaching staff. For transparency and accessibility of the procedure, the plan is reviewed and approved by the Academic Council (Protocol No. 1 of 29.08.2018, Protocol No. 1 of 28.08.2019, Protocol No. 1 of 26.08.2020, Protocol No. 1 of 25.08.2021 Protocol No. 1 of 31.08.2022, Protocol No. 1) is carried out on the basis of information provided by the structural divisions of the Institute and the OP.

The university has a system of financial incentives, which is expressed in the form of salary supplements, reflected in the "Regulations on bonuses, surcharges, allowances and other incentive payments." For example:

Information about rewards

№	Full name of the teacher	Reason for the award	Order		The amount
			№	number	
2018-2019 academic year					
1	Umbetov A.U. In	In connection with the publication of the textbook	183- лс	18.09.18	94856
2021-2022 academic year					
1	Zhamalova S.A.	Zhamalova S.A. 50th anniversary	143- лс	09.09.2015	91890

The management of the OP ensures the completeness and adequacy of the indicative work plans of the teaching staff for all types of activities, monitoring the effectiveness and efficiency of the indicative plans, evidence of teachers' fulfillment of all types of planned workload has been demonstrated. The workload of the teaching staff of the OP includes educational, methodical, scientific, organizational and methodological work, improving professional competence. Educational and methodological complexes have been developed in all

disciplines.

The university demonstrated its activities to attract the best foreign and domestic teachers. For example, on November 19-29, 2018, Ph.D., Professor of the Krasnoyarsk State Pedagogical University named after V.P.Astafiev Larin S.V. (Krasnoyarsk) conducted a course for teachers and students of physics and mathematics on the topic "Computer animation in physics and mathematics". December 8-18, 2018, PhD, Professor of the Krasnoyarsk State Pedagogical University named after V.P.Astafiev M.V.(G. Krasnoyarsk) conducted a course for teachers and students of the OP in physics and mathematics on the topic "The use of LEGO mindstorms and GeoGebra in the educational process." In November 2019, scientists from Smolensk State University, PhD, Associate Professor Maximova N.A. and PhD, Associate Professor Samarina A.E. conducted a month-long course on "Educational robotics and STEM education" among the teaching staff and students of 2-3 courses. From 22.11.21 to 10.12.21 Ph.D., Senior Researcher at the Institute of Mathematics and Computing Center of the Russian Academy of Sciences Ufa (Ufa, Bashkortostan, Russia) Valeev Nurmukhamet Fuatovich conducted a course for teachers and students of the OP on the topics "Mathematical and computer modeling", "Computer architecture".

The university pays special attention to the development of corporate culture and corporate spirit. In this regard, an important place is occupied by the participation of teaching staff in all socially significant events held at the institute, the city and the region.

Analytical part

During the visit, the VEC experts on this standard found that the department has a low level of academic mobility, which may lead to a lack of access to the resources of third-party higher education institutions.

In this regard, the management of the OP needs to increase the level of academic mobility of teaching staff, in particular, to provide alternative models for organizing outgoing internal academic mobility of teaching staff, it is necessary to participate in competitions for financing research projects on the specifics of the OP. It is recommended to develop a plan to attract teaching staff from other universities and disseminate advanced pedagogical practices and teaching methods in research. This can help the institute to recruit new talented teachers and improve the quality of education in general.

The management of the OP does not sufficiently present an action program aimed at developing human resources, especially young teaching staff, with specific examples and indicators for monitoring. It is recommended to supplement the KPI system, which can stimulate the active participation of young representatives in scientific activities and increase interest in defending dissertations.

Strengths:

Missing

Recommendations of the EEC

- consider the possibility of supplementing the university's KPI system with a separate category of "Young" teachers, both preparing for the defense of dissertations and successfully defending them (Deadline: 01.09.2024);
- develop a plan to attract teaching staff of national and foreign universities to conduct lectures, master classes, etc., including guest ones (Deadline: 01.09.2023).

The conclusions of the EEC according to the criteria: strong - 1, satisfactory-8, suggest improvements-1.

6.8. THE STANDARD "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 for 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

To support students in realizing their educational needs, the Institute has academic services: a registrar office and a DSP, which are structural divisions of the Institute and are headed by the Vice-rector for Academic and Scientific Work. Accounting provides services in the form of tuition fees and consultations on other financial issues. Medical care and first aid at the Institute are carried out by three medical centers, which are structural divisions of the institute, a paramedic and a nurse are considered in the staffing table. Medical centers are located in the main academic building and the student dormitory. Indicators of the material and technical equipment of the educational process are a characteristic of the potential of the Institute and a guarantee of its sustainability. The Institute carries out a set of measures to form a modern material base, information space and effectively developed communication infrastructure, as well as the introduction of new forms and methods of providing educational services based on modern information technologies. The issues of material, technical and informational support of the educational process over time were considered in a report form at the meetings of the OP and the Academic Council of the Institute (at the meetings of the OP: Protocol No. 1 of 28.08.2018; Protocol No. 1 of 28.08.2019; Protocol No. 1 of 27.08.2020; Protocol No. 1 of 03.09.2021, Protocol No. 1 of 06.09.2022).

Table 14. Working area of the university

Academic building No. 1 (located on ul.Auelbekova, 17)	11375,4 M ²
Academic building No. 2 (located at 91 Sh.Zhanibek Street)	2089,0 M ²
Dormitory No. 1 (located at Kayyrbekova, 11)	3085,2 M ²
Dormitory No. 2 (located at 48 R.Mayasova str.)	4773,5 M ²

Training workshops: carpentry workshop art and design workshop	100,9 m ² 36,9m ²
Sports and recreation complex	2241,08 m ²
Library Information Complex	721,7 m ²
A food hall with a total area in the educational building No. 1 House of students No. 2	95,1 m ² 111,8 m ²

For high-quality training of specialists, ArPi has an information library complex, including reading rooms, an electronic resource center, a media center with a video line, multimedia classroom complexes, etc. The information and communication corporate network of the Institute includes 362 computers, all of which have access to the Internet. The information-complex of the ArPI library is developing in accordance with the strategic tasks facing the university. The total area of the library building is 627.2 sq. m., the book storage area is 108.7 sq. m., the subscription area is 151.9 sq. m.

Provision of educational, methodical and scientific literature in the context of OP

№ п/п	Specialization	Textbooks	Educational, methodical, scientific	Total
1	6B01501 Mathematics	13691	6344	20035
2	6B01502 Physics	12970	6165	19135
3	6B01507 Mathematics and Physics	13734	6106	19840
4	6B01508 Mathematics and Computer Science	13702	6120	19822
5	6B01509 Physics and Computer Science	15017	6508	21525
6	Computer science	16132	6404	22536
7	Computer science, information and communication technologies and robotics	15418	6974	22392

The provision of educational and methodological literature on digital media for the disciplines of the OP is 100%. The data in the context of specialties are given in the table.

Table 16. Provision of specialties with teaching materials on electronic and magnetic media

№	Name of specialties	Number of disciplines	Number of disciplines provided by the teacher- method. materials on digital media	% of collateral
1	Mathematics	48	48	100
2	Mathematics and Physics	49	49	100
3	Mathematics and Computer science	47	47	100

The university strives to create conditions for the implementation of educational programs and conducting research based on the results of monitoring the satisfaction of students, teachers, employees and other stakeholders with the quality of educational resources and the

student support system. Teachers rated the support of the university and its management of research initiatives, encouragement of innovative activity of teaching staff as very good 60.9%, as good - 34.8%, the level of ability of teaching staff to combine teaching with scientific research as very good – 52.2%, good – 39.1%.

All the buildings of the Institute have an internal water supply and sewerage system, electricity, heating, ventilation and air conditioning, telephony, and are connected to urban communication networks. Artificial lighting of classrooms, laboratories and classrooms complies with current regulations.

The share of respondents who answered in the affirmative to the question "Are you satisfied with the material and technical condition, the quality of food in the dining room and the conditions in the student dormitory" in the 2022-2023 academic year was more than 91%.

Analytical part

The VEC confirms the availability of student support systems, including support through the institute's website. During meetings with students and teaching staff, it was revealed that, unfortunately, most do not have financial opportunities for training, internships, advanced training at leading universities in the world, so it is advisable to involve students and teaching staff more widely in the best online courses.

As a result of a visual inspection of the facilities of the material base, the members of the VEC were convinced that in order to ensure the educational process and conduct scientific research of accredited educational programs, the institute has the necessary educational and material assets. The buildings and structures of the Institute comply with the current sanitary standards and fire safety requirements.

However, the VEC notes:

1) The information policy should be developed taking into account the principles of multilingualism in order to ensure equal access to information about the university and its educational opportunities for different language groups.

2) The development of a Plan for the development of scientific activities will make it possible to determine priorities and strategic directions in this area, as well as plan resources and support measures for their implementation.

Strengths:

Missing

Recommendations of the EEC

- the management of the OP to develop an Information policy regulating the updating of information in three languages (Kazakh, Russian, English) on the university's website, reflecting the availability of the OP for foreign citizens (Deadline: 01.03.2024).

- the management of the university to develop a Plan for the development of scientific activities at the institute, including taking into account the development of the material and technical base, as well as support mechanisms and stimulating the scientific activity of teaching staff. (Deadline: 01.09.2025). The management of the OP should ensure the implementation of the Plan within the stipulated time frame.

The conclusions of the EEC according to the criteria: strong - 0, satisfactory-12, suggest improvements-1.

6.9. THE STANDARD "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 assigned qualification;*
 - ✓ *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.*

The evidentiary part

An important factor is the publication of information about cooperation and interaction with partners, including scientific/consulting organizations, OVPO strives to carry out its activities based on the principles of transparency, openness, involvement and awareness of stakeholders.

The social role of the university also includes informing the public about the implemented programs and the expected results of the implementation of these programs, the qualifications awarded, the level of teaching, training and evaluation procedures, educational opportunities for students. The published information contains data on the success and employment of graduates, as well as the characteristics of students studying at the university at the moment. The information provided by the university is objective and accessible to students.

The main channel for informing the public and interested persons is the media, social networks and the official website of the Institute. There is information about educational programs on the pages of the above-mentioned social networks.

The Alumni Association carries out its activities. Graduates interact with the university on a regular basis.

Informing the public on issues of current scientific research is carried out through participation in the work of public, scientific forums and establishing contacts with these public associations, departments of local executive bodies, etc. Taking into account the specifics of the city and the region, close cooperation is carried out between educational organizations, executive bodies and the institute

The university provides information to the public about its activities, conditions and features of the implementation of educational programs. The university uses a variety of ways to disseminate information, including social networks. Daily news, photos and videos are available on the Institute's website: api.edu.kz Instagram Facebook, Instagram, Twiter, Telegram. videos are posted on Youtube, as well as published on social networks. The Youtube channel of the Arkalyk Pedagogical Institute (@user-ch8wo8gx5h1) is popular, the number of its subscribers is 73 thousand. Subscribers and contains 785 videos. The channel was registered on January 8 , 2014 .the total number of views is more than 290 thousand. The channel publishes both informational materials and educational lectures. Articles about the university and announcements on the conditions of admission of applicants are published annually in the newspapers "Kostanay news", "Kostanay tany", "Arqalyq habary", broadcast on the channels of the regional TV channels "Arka Didary", "Kazakhstan-Kostanay", "Alau".

The purpose of informing the public is to form a positive image of the institute in the external environment, establish and maintain cooperation with all interested parties by informing the general public about the various activities of the institute.

The management of the Institute uses a variety of ways to disseminate information – this is the institute's website, newsletters, interaction with embassies and representative offices of foreign countries, briefings, round tables and conferences held by the management, open days, job fairs at the university, meetings with graduates. Teaching staff and university staff are involved in carrying out activities at the regional level, including in explaining and supporting government initiatives and programs.

The Institute and educational programs of the accredited cluster take part in national ratings.

Analytical part

The VEC notes that in the field of information dissemination policy, ArPI demonstrates a policy of transparency, openness, involvement in informing the public of applicants, employers, participants in the educational process and all interested persons, constant development and adaptability to the changing realities of society.

The VEC notes the openness of the institute and the willingness to provide objective information to external stakeholders.

At the same time, experts, in connection with the creation of a new professional standard of a teacher and the revision of the national register of educational programs, note the need to supplement the objective information provided on the website about changes in the OP, the implementation of plans for the development of educational programs, discussion and revision of the strategy, the planned goals of the OP and learning outcomes, compliance with the OP professional standards, as well as information about Teaching staff, courses, publications, and their scientific interests.

In addition, the VEC recommends publication on the official website of the audited financial statements, if possible in the context of the OP.

Strengths/Best practices

Recommendations:

- to consider updating the Information Policy and determining related performance indicators for top management, teachers and employees (Term: until 01.01.2024);
- to develop, in the context of strategic documents, a plan of interaction with the public in the context of the implementation of state programs (Deadline: until 01.09.2024);
- continue publication of financial statements with confirmation of their audit (Term: permanent);

The conclusions of the EEC according to the criteria: strong - 0, satisfactory - 12, suggest improvements - 0.

(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD
Standard "Educational program Management"

- there is direct access to the personal page of the rector's website
- regular meetings of the Institute's top management with students on all issues of concern and emerging situations are organized;
- the established institution of curatorship should be particularly noted

The standard "Information Management and reporting"

- the presence of a system of permanent offline and digital channels for transmitting information;
- systematic use of processed, adequate information to improve the internal quality assurance system;
- there is 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;
- the availability of a mechanism for communication with students, employees and other interested parties, including the availability of conflict resolution mechanisms;
- measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the OP.

The standard "Development and approval of the educational program"

- the management of the OP regularly conducts external examinations of the OP

There is no standard "Continuous monitoring and periodic evaluation of educational programs"
is missing

The standard "Student-centered learning, teaching and assessment of academic performance"

- evaluators regularly improve their qualifications and possess modern methods of evaluating learning outcomes.
- the management of the educational program demonstrates support for the autonomy of students with simultaneous guidance and assistance from the teacher.

The "Students" standard

- the management of the OP demonstrates that graduates of accredited OP have skills that are in demand in the labor market;
- The Alumni Association is functioning, the activities of the Association are documented. The main role of this structure is to communicate with the graduates of the ArcPI, to attract graduates to the activities of the institute.

The standard "Teaching staff"

is missing

There is no standard "Educational resources and student support systems"

is missing

The standard "Informing the public"

is missing

(VIII) OVERVIEW RECOMMENDATIONS FOR QUALITY IMPROVEMENT

The standard "Management of the educational program"

- the management of the educational institution to consider the inclusion in the development plan of the educational institution of the introduction of innovative proposals that provide a link between scientific research, teaching and learning (Deadline: 01.09.2023);
- the management of the university to update the regulatory documentation for the formation and revision of the development plan of the OP, indicating the mechanisms for attracting stakeholders (Deadline: 01.09.2023);
- the management of the university and the OP to consider the possibility of including the risk management procedure in the development strategy of the OP (Deadline: 01.01.2024)

Information Management and Reporting Standard

- consider the possibility of designing and filling a database with information on quality assurance (questionnaires, surveys, etc.) for a period of at least three years with recommendations for the management of the OP (Deadline: 01.09.2024);
- to develop a local act defining the frequency, forms and methods of assessing the management of the OP, the activities of collegial bodies and structural units, senior management (Deadline: 01.01.2024);
- to carry out work on the revision and specification of the development program of the OP, taking into account changes in professional standards and other regulatory documents, including the national level (Deadline: 01.09.2023).

The standard "Development and approval of the educational program"

- to detail the local act on the development of the OP with a description of the mechanisms for attracting stakeholders (Deadline: 01.09.2023);
- to analyze the possibility of providing students with the possibility of professional certification in non-pedagogical branches of professional activity, for example in the field of IT (Deadline: 01.09.2023);
- continue work on concluding cooperation agreements with foreign and leading national universities (Deadline: 01.01.2024).

The standard "Continuous monitoring and periodic evaluation of educational programs"

- annually at the Academic Council of the Institute to consider the monitoring plan, as well as its results with the development of recommendations for improving the OP (Term: annually);
- to develop regulations for updating information on the development and changes of the OP in open sources (Deadline: 01.01.2024).

The standard "Student-centered learning, teaching and assessment of academic performance"

- to develop a plan for discussing modern teaching methods on evaluating learning outcomes at methodological seminars of the department, faculty, institute (Deadline: 01.09.2023);
- to consider the possibility of organizing a permanent scientific and methodological seminar on testing methods of teaching the disciplines of the OP, including with the involvement of leading national and international universities, as well as prominent public figures (Deadline: 01.09.2023);
- to consider the possibility of organizing a student seminar on the participation of students in testing methods of teaching disciplines and evaluating learning outcomes (Deadline: 01.09.2023).

The "Students" standard

- to consider the possibility of developing a KPI mechanism to support and stimulate gifted students as an integrated factor of youth support (Deadline: 01.01.2024); -

to consider the organization of the institute of mentors, which allows to activate the work of both students and graduates of the university (Deadline: 01.01.2024).

The standard "Teaching staff"

- is to consider the possibility of supplementing the university's KPI system with a separate category of "Young" teachers, both preparing for the defense of dissertations and successfully defending them (Deadline: 01.09.2024);

- develop a plan to attract teaching staff of national and foreign universities to conduct lectures, master classes, etc., including guest ones (Deadline: 01.09.2023).

The standard "Educational resources and Student Support systems"

- the university management to develop an information policy regulating the updating of information in three languages (Kazakh, Russian, English) on the university website, reflecting the accessibility of the university for foreign citizens (deadline: 01.03.2024).

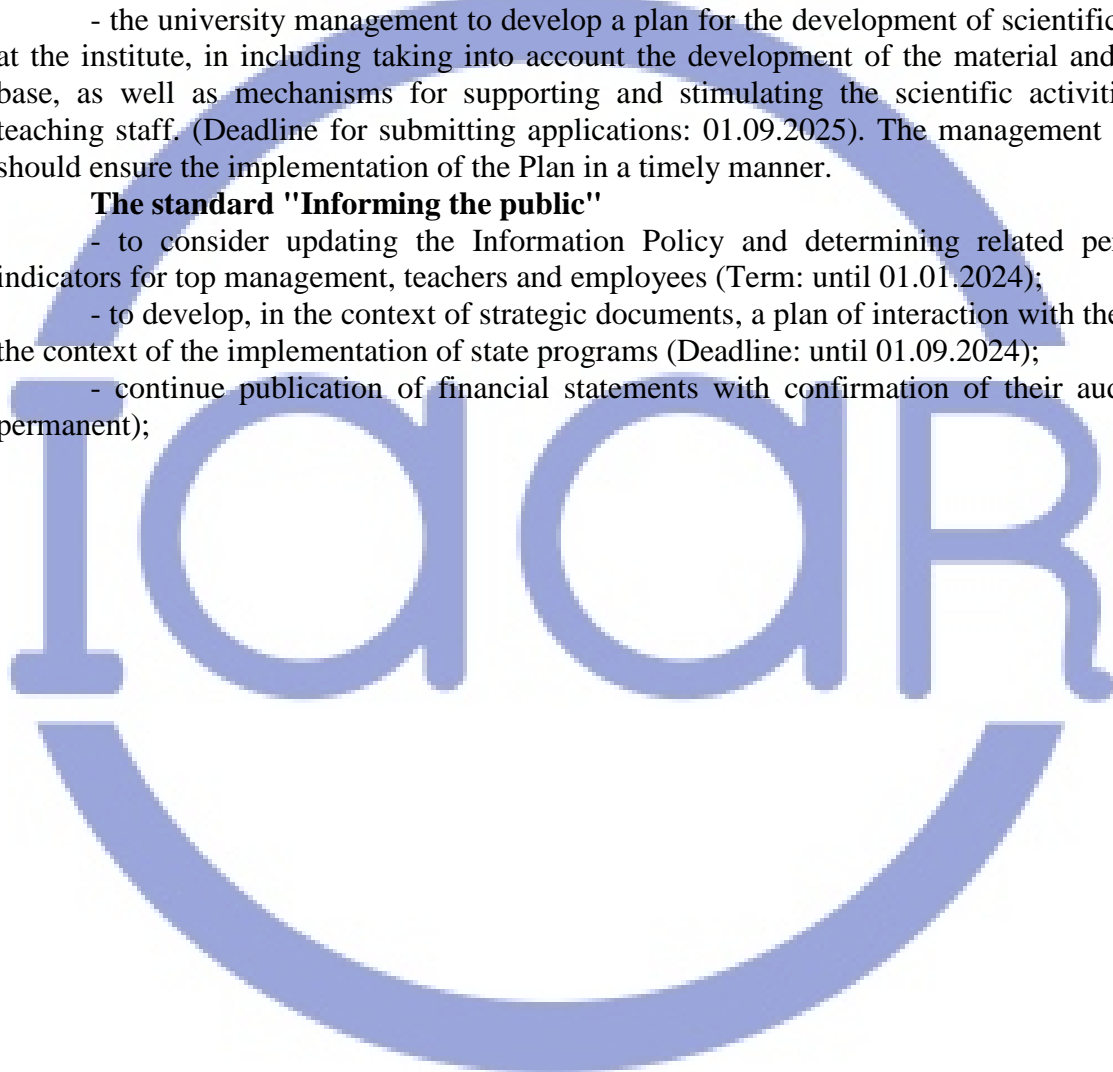
- the university management to develop a plan for the development of scientific activities at the institute, in including taking into account the development of the material and technical base, as well as mechanisms for supporting and stimulating the scientific activities of the teaching staff. (Deadline for submitting applications: 01.09.2025). The management of the OP should ensure the implementation of the Plan in a timely manner.

The standard "Informing the public"

- to consider updating the Information Policy and determining related performance indicators for top management, teachers and employees (Term: until 01.01.2024);

- to develop, in the context of strategic documents, a plan of interaction with the public in the context of the implementation of state programs (Deadline: until 01.09.2024);

- continue publication of financial statements with confirmation of their audit (Term: permanent);



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

Considering the participation of the Institute in the Project "Strengthening the potential of pedagogical education" (KZEMP/QCBS-03) The World Bank is recommended to more actively implement the scaling process developed with the participation of foreign experts, within the framework of this project, 30 OP for teacher training.



(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL

The external Expert Commission made a unanimous decision to recommend to the Accreditation Council the educational programs 6B01501-Mathematics, 6B01507-Mathematics and Physics, 6B01508-Mathematics and Computer Science of the NAO "Arkalyk Pedagogical Institute named after I. Altynsarin" to be accredited for a period of 5 years.



APPENDIX 1. EVALUATION TABLE "PARAMETERS OF A SPECIALIZED PROFILE"

Conclusion of the external expert commission on the results of the evaluation of the quality of educational programs 6B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and Computer Science

No. n\n	No. n\n	Evaluation criteria	The position of the organization of education			
			Strong	Satisfactor	Suggests improvement	Unsatisfactory
Standard "Educational Program Management"						
1	1.	The university should demonstrate the development of a goal and strategy for the development of the OP based on the analysis of external and internal factors with the broad involvement of a variety of stakeholders		+		
2	2.	The quality assurance policy should reflect the relationship between research, teaching and learning		+		
3	3.	The university demonstrates the development of a culture of quality assurance		+		
4	4.	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		+		
5	5.	The management of the OP ensures transparency in the development of the OP development plan based on an analysis of its functioning, the real positioning of the university and the orientation of its activities to meet the needs of the state, employers, stakeholders and students		+		
6	6.	The management of the OP demonstrates the functioning of mechanisms for the formation and regular revision of the development plan of the OP and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the OP		+		
7	7.	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		+		
8	8.	The management of the educational institution should demonstrate the individuality and uniqueness of the development plan of the educational institution, its consistency with national development priorities and the development strategy of the educational organization		+		
9	9.	The university must demonstrate a clear definition of those responsible for business processes within the framework of the		+		

		OP, the distribution of staff duties, the differentiation of functions of collegial bodies				
10	10.	The management of the OP ensures coordination of the activities of all persons involved in the development and management of the OP, and its continuous implementation, as well as involves all stakeholders in this process		+		
11	11.	The management of the OP should ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions		+		
12	12.	The management of the OP should carry out risk management		+		
13	13.	The management of the educational institution should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program		+		
14	14.	The university must demonstrate innovation management within the framework of the OP, including the analysis and implementation of innovative proposals		+		
15	15.	The management of the OP should demonstrate its openness and accessibility to teaching staff, employers and other interested persons	+			
16	16.	The management of the OP confirms the completion of training in educational management programs		+		
17	17.	The management of the OP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure		+		
Total according to the standard			1	15		
Information Management and Reporting Standard						
18	1.	The university should ensure the functioning of the information collection, analysis and management system based on modern information and communication technologies and software		+		
19	2.	The OP management demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system		+		
20	3.	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		+		
21	4.	The university should determine the frequency, forms and methods of evaluation of the management of the OP, the activities of collegial bodies and structural units, senior management			+	
22	5.	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		+		

23	6.	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		+		
24	7.	The management of the OP should demonstrate the availability of communication mechanisms with students, employees and other stakeholders, including conflict resolution		+		
25	8.	The university must ensure the measurement of the degree of satisfaction of the needs of teaching staff, staff and students within the framework of the OP and demonstrate evidence of the elimination of the detected shortcomings		+		
26	9.	The university should evaluate the effectiveness and efficiency of its activities, including in the context of OP		+		
		The information collected and analyzed by the university within the framework of the OP should take into account:				
27	10.	The information collected and analyzed by the university within the framework of the OP should take into account: key performance indicators		+		
28	11.	dynamics of the contingent of students in the context of forms and types		+		
29	12.	academic performance, student achievements and expulsion		+		
30	13.	satisfaction of students with the implementation of the OP and the quality of education at the university	+			
31	14.	availability of educational resources and support systems for students		+		
32	15.	employment and career growth of graduates		+		
33	16.	Students, employees and teaching staff must document their consent to the processing of personal data		+		
34	17.	The management of the OP should help to provide all the necessary information in the relevant fields of sciences		+		
Total according to the standard			1	15	1	0
Standard "Development and approval of the educational program"						
35	1.	The university must demonstrate the existence of a documented procedure for the development of an OP and its approval at the institutional level		+		
36	2.	The university must demonstrate the compliance of the developed OP with the established goals and planned learning outcomes		+		
37	3.	The management of the OP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	4.	The university can demonstrate the existence of a graduate model of an OP describing learning outcomes and personal qualities		+		
39	5.	The qualification assigned upon completion of the OP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA	+			
40	6.	The management of the OP should demonstrate the modular structure of the program based on the European Credit Transfer		+		

		and Accumulation System (ECTS), ensure that the OP, its modules (in terms of content and structure) meet the set goals with a focus on achieving the planned learning outcomes.				
41	7.	The management of the OP should ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of study (bachelor's, master's, doctoral)		+		
42	8.	The management of the OP must demonstrate the conduct of external examinations of the OP	+			
43	9.	The management of the OP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the OP, ensuring their quality		+		
44	10.	The management of the OP should demonstrate the positioning of the OP in the educational market (regional/national/international), its uniqueness		+		
45	11.	An important factor is the possibility of preparing students for professional certification			+	
46	12.	An important factor is the presence of a double-degree OP and/or joint OP with foreign universities			+	
Total according to the standard			2	8	2	0
The standard "Continuous monitoring and periodic evaluation of basic educational programs"						
47	1.	The university should ensure the revision of 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		+		
48	2.	The university must demonstrate the existence of a documented procedure for monitoring and periodic evaluation of the OP in order to achieve the goal of the OP. The results of these procedures are aimed at continuous improvement of the OP		+		
		Monitoring and periodic evaluation of the OP should consider		+		
49	3.	the content of programs in the context of the latest achievements of science and technology in a particular discipline		+		
50	4.	changes in the needs of society and the professional environment		+		
51	5.	workload, academic performance and graduation of students		+		
52	6.	effectiveness of student assessment procedures		+		
53	7.	needs and degree of satisfaction of students		+		
54	8.	compliance of the educational environment and the activities of support services with the goals of the OP		+		
55	9.	All interested parties should be informed of any planned or undertaken actions regarding the OP. All changes made to the OP must be published		+		
56	10.	Support services should identify the needs of various groups of students and the degree of their satisfaction with the organization of training, teaching, evaluation, and mastering of the OP in general		+		
Total according to the standard			0	10	0	0

The standard "Student-centered learning, teaching and assessment of academic performance"						
57	1.	The management of the OP should ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths		+		
58	2.	The management of the OP should ensure teaching on the basis of 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		+		
59	3.	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		+		
60	4.	An important factor is the availability of own research in the field of teaching methods of the disciplines of the OP			+	
61	5.	The university must ensure that the procedures for evaluating learning outcomes correspond to the planned results and goals of the OP		+		
62	6.	The university must ensure the consistency, transparency and objectivity of the mechanism for evaluating the results of the OP training. Criteria and methods for evaluating learning outcomes should be published in advance		+		
63	7.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area		+		
64	8.	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		+		
65	9.	The management of the OP should demonstrate support for the autonomy of students with simultaneous guidance and assistance from the teacher	+			
66	10.	The management of the OP must demonstrate the existence of a procedure for responding to complaints from students		+		
Total according to the standard			1	8	1	0
The "Students" standard						
67	1.	The university must demonstrate the policy of forming a contingent of students and ensure transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) must be defined, approved, published		+		
68	2.	The management of the OP should provide for special adaptation and support programs for newly enrolled and foreign students		+		
69	3.	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		+		

70	4.	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		+		
71	5.	The university should actively encourage students to self-education and development outside the main program (extracurricular activities)	0			
72	6.	An important factor is the availability of a support mechanism for gifted students		+		
73	7.	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		+		
74	8.	The university should provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining communication with them		+		
75	9.	The university must demonstrate the procedure for issuing graduates with documents confirming their qualifications, including the achieved learning outcomes.		+		
76	10.	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 in demand in the labor market	0			
77	11.	The management of the OP should demonstrate the existence of a mechanism for monitoring the employment and professional activity of graduates		+		
78	12.	An important factor is the presence of an active alumni association/association	+			
Total according to the standard			3	9	0	0
Standard "Teaching staff"						
79	1.	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 staff development, ensuring the professional competence of the entire staff		+		
80	2.	The university must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the university's strategy, and the goals of the OP		+		
81	3.	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		+		
82	4.	The university should provide opportunities for career growth and professional development of teaching staff, including young teachers		+		
83	5.	The university should involve in teaching specialists of relevant industries with professional competencies that meet the requirements of the OP		+		
84	6.	The university must demonstrate the existence of a mechanism for motivating the professional and personal development of		+		

		teaching staff				
85	7.	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.)	+			
86	8.	The university should demonstrate the focus of its activities on the development of academic mobility, attracting the best foreign and domestic teachers			+	
87	9.	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		+		
88	10.	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		+		
Total according to the standard			1	8	1	0
Standard "Educational resources and student support systems"						
89	1.	The university must ensure that educational resources, including material and technical, and infrastructure meet the objectives of the educational program		+		
90	2.	The management of the OP must demonstrate the presence of classrooms, laboratories and other facilities equipped with modern equipment and ensuring 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:				
91	3.	technological support of students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs)		+		
92	4.	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		+		
93	5.	examination of research results, graduation papers, dissertations for plagiarism		+		
94	6.	access to educational Internet resources		+		
95	7.	functioning of WI-FI on its territory		+		
96	8.	The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of research work of teaching staff, staff and students			+	
97	9.	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		+		
98	10.	The management of the OP should demonstrate the availability of support procedures for various groups of students, including information and counseling		+		

99	11.	The management of the OP should show the availability of conditions for the advancement of the student along an individual educational trajectory		+		
100	12.	The university should take into account the needs of different groups of students (adults, working, foreign students, as well as students with special educational needs)		+		
101	13.	The university must ensure that the infrastructure meets the security requirements		+		
Total according to the standard			0	12	1	0
The standard "Informing the public"						
102	1.	The information published by the university must be accurate, objective, relevant and reflect all areas of the university's activities within the framework of the educational program		0		
103	2.	Public awareness should include support and explanation of the national development programs of the country and the system of higher and postgraduate education		+		
104	3.	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		+		
		The information published by the university about the educational program should be objective and relevant and include				
105	4.	the purpose and planned results of the OP, the assigned qualification		+		
106	5.	information and evaluation system of educational achievements of students		+		
107	6.	information about academic mobility programs and other forms of cooperation with partner universities, employers		+		
108	7.	information about the opportunities for the development of personal and professional competencies of students and employment		+		
109	8.	data reflecting the positioning of the OP in the market of educational services (at the regional, national, international levels)		+		
110	9.	An important factor is the publication on open resources of reliable information about the teaching staff, in the context of personalities		+		
111	10.	The university must publish on its own web resource the audited financial statements on the OP		+		
112	11.	The university should post information and links to external resources based on the results of external evaluation procedures		+		
113	12.	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		+		
Total according to the standard			0	12	0	0
in total			9	97	7	0

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

VISIT OF THE EXTERNAL EXPERT COMMISSION INDEPENDENT AGENCY OF ACCREDITATION AND RATING (IAAR) IN THE NAO "Arkalyk Pedagogical Institute named after I. Altynsarin" (SPECIALIZED ACCREDITATION)

Date of the visit: April 3 – 5, 2023

Date of arrival of experts: April 2, 2023

The program was developed taking into account the time of Arkalyk

Date and time	VEC's work with target groups	Position and Surname, First name, Patronymic of target group participants	Form of communication
"02" April 2023			
15.00-16.00 According to the time of Astana	Preliminary meeting of the VEC	External IAAR Experts	Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588
"02" April 2023			
According to the schedule during the day	Arrival of members of the External Expert Commission		Hotel
"03" April 2023			
08.30-09.00 According to the time of Astana	Transfer from the hotel to the Institute	External IAAR experts, Coordinator from the Institute	Hotel-Institute
09.00-09.15 According to the time of Astana	Distribution of responsibility of experts, solution of organizational issues	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588
09.15–09.45	Interview with the rector	Yerzhan Amirbekovich - Chairman Of The Board-Rector	Conference room Connect to Zoom conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588
09.45-10.00	Technical break		
10.00-10.40	Meeting with the Vice-Rector	Antayeva Almagul Sapargaliyevna – Vice-Rector for Academic Affairs	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588

10.40-10.50	Technical break		
10.50-11.30	Meeting with heads of structural divisions of the NGO	<p>Saniya Bakytzhanovna Zhumabayeva – Head of the Office of Academic Programs, Methodological and Scientific Work;</p> <p>Shaymenova Lyazzat Serikovna – Head of the Registrar's office;</p> <p>Abilkairova Aliya Serkebayevna – Acting Head of the Personnel Management and Document Support Service;</p> <p>Buribayev Sembek Argynbayevich – Chief Accountant;</p> <p>Batyrova Zulfiya Nikolaevna – Head of the Center for Social Issues and Youth Policy;</p> <p>Atygaev Zhanat Maratovich – Head of the Center for Information Technology and Software;</p> <p>Amirbekov Orazbek Amirbekuly – Head of Editorial and Design Department;</p> <p>Mahina Sarsenkul Kuandykovna – Director of the Information and Complex Library;</p> <p>Zharkimbayev Bakhytbek Zhanalinovich – Head of the Administrative and Economic Department</p>	<p>Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588</p>
11.30-11.45	Technical break		
11.45-12.30	Interviews with deans and heads of the PLO	<p>Eskermesuly Alibek – Dean of the Faculty of Natural Sciences and Informatization;</p> <p>Sabitbekova Gulmira – Head of OP 6B011016B01501 Mathematics, 6B01507 Mathematics and Physics, 6B01508 Mathematics and Computer Science;</p>	<p>Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588</p>

		<p>Tulegenova Anar Kabdygalievna – Head of OP 6B01502 Physics, 6B01509 Physics and Computer Science;</p> <p>Baizakova Saule Svyazkhanovna – Head of OP 6B01503 Informatics, 6B01513 Informatics, Information and Communication Technologies and Robotics;</p> <p>Kemelbaeva Akgul Kuandykovna – Head of OP 6B01504 Chemistry, 6B01510 Chemistry and Biology, 6B01505 Biology;</p> <p>Kalkashev Sagyngali Gabiziyatovich – Head of OP 6B01512 Biology and Geography, 6B01506 Geography, 6B01511 География и история</p>	
12.30-13.00	The work of the VEC	External IAAR Experts	<p>Conference hall Connect to the Zoom Conference</p> <p>https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588</p>
13.00-14.00	Lunch		
14.00-14.15	Technical break		
14.15-15.00	Interview with the teaching staff of the PLO	<p>Appendix No. 1</p> <p>Cluster 1,2.</p> <p>Cluster 3,4.</p>	<p>Cluster 1,2 – auditorium No. 205, main building Cluster 3,4 – auditorium No. 304, main building Connect to the Zoom Conference</p> <p>https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588</p>
15.00-15.15	Technical break		
15.00-16.00	Survey of teaching staff (in parallel)	<p>Appendix No. 2</p> <p>All teachers of the evaluated OP VA, MA, PhD</p>	The link is sent to the e-mail of the teacher personally
15.15-16.00	Interviews with PLO students	<p>Appendmb 3</p> <p>Cluster 1,</p> <p>Cluster 2.</p> <p>Cluster 3,</p> <p>Cluster 4.</p>	<p>Кластер 1 – аудитория № 514, главный корпус</p> <p>Кластер 2 – аудитория № 205, главный корпус</p> <p>Кластер 3 – аудитория № 505, главный корпус</p>

			Кластер 4 – аудитория № 304, главный корпус Подключиться к конференции Zoom https://us02web.zoom.us/j/6813032588 Идентификатор конференции: 681 303 2588
16.00-17.00	Survey of students (in parallel)	Appendix No. 4 All students of the assessed OP VA, MA, PhD	The link is sent to the e-mail of the student personally
16.00-18.00	Visual inspection of the OO	According to the tour routes	
18.00-19.00	The work of the VEC discussion of the results of the first day	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588
19.00-20.00	Supper	External IAAR Experts	Hotel
Day 2: April 04, 2023			
08.30-09.00 According to the time of Astana	Transfer from the hotel to the Institute	External IAAR experts, Coordinator from the Institute	Hotel-Institute
09.00-09.15	The work of the VEC	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588
09.15-10.50	Attendance of classes according to the schedule (Appendix: links to classes)	According to the schedule	
10.50-11.30	Meeting with representatives of practice bases and employers	Appendix 5	Auditorium No. 205, main building Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588
11.30-11.40	Technical break		
11.40-12.20	Interviews with graduates of the PLO	Appendix 6	Auditorium No. 205, main building Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 681 303 2588

12.20-13.00	Working with department documents (documents must be uploaded to the cloud by clusters in advance) In parallel		Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 6813032588
13.00-14.00	Lunch		
14.00-14.15	Technical break		
14.15-16.15	Visiting the practice bases of the OP	According to the itinerary	
16.15-17.00	Work of the VEC, discussion of the results of the second day and profile parameters	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 6813032588
17.00-17.15	Technical break		
17.00-18.00	Work of the VEC, discussion of the results of the second day and profile parameters (recording is underway)	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 6813032588
18.30-19.30	Supper	External IAAR Experts	Hotel
Day 3: "05" April 2023			
08.30-09.00 According to the time of Astana	Transfer from the hotel to the Institute	External IAAR experts, Coordinator from the Institute	Hotel-Institute
09.00-10.00	Work of the VEC development and discussion of recommendations (recorded)	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 6813032588
10.00-10.20	Technical break		
10.20-12.30	The work of the VEC discussion, decision-making by voting (a record is kept)	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 6813032588
12:30-13:00	The final meeting of the VEC with the leadership of the university		Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 6813032588
13.00-14.00	Lunch		
14.00-15.00	Work of the VEC, Discussion of the results of the quality assessment	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/6813032588 Conference ID: 6813032588

15.00-15.15	Technical break		
15.15-18.00	Work of the VEC, Discussion of the results of the quality assessment	External IAAR Experts	Conference hall Connect to the Zoom Conference https://us02web.zoom.us/j/681 3032588 Conference ID: 681 303 2588



APPENDIX 3. RESULTS OF THE SURVEY OF TEACHING STAFF

Total number of questionnaires: 23

2. Post

Professor	
Associate Professor/Associate Professor	
Senior Lecturer	73,9
Teacher	17,4
Head of the Department	8,7
Other	

3. Academic degree, academic title

Honored Worker	
Doctor of Sciences	
Candidate of Sciences	
Master	82,6
PhD	8,7
Professor	
Associate Professor/Associate Professor	4,3
No	4,3
Others	

4. Work experience at this university

Less than 1 year	
1 year – 5 years	13
Over 5 years	87
Other	

№	Вопросы	Very good	Fine	Relatively bad	Badly	Very bad	Didn't answer
1	To what extent does the content of the educational program meet your scientific and professional interests and needs?	78,3	21,7				
2	\How do you assess the opportunities provided by the university for the professional development of teaching staff	65,2	34,8				

3	How do you assess the opportunities provided by the university for the career growth of teaching staff	73,9	26,1				
4	How do you assess the degree of academic freedom of teaching staff	56,5	43,5				
	To what extent can teachers use their own						
5	• Learning strategies	91,3	8,7				
6	• Teaching methods	91,3	8,7				
7	• Educational innovations	73,9	26,1				
8	How do you assess the work on the organization of medical care and disease prevention at the university?	69,6	26,1	4,3			
9	What attention is paid by the management of the educational institution to the content of the educational program?	73,9	26,1				
10	How do you assess the sufficiency and availability of the necessary scientific and educational literature in the library?	52,2	43,5	4,3			
11	Assess the level of conditions created that take into account the needs of different groups of students?	43,5	56,5				
	Evaluate the openness and accessibility of leadership						
12	• Students	69,6	30,4				
13	• teachers	69,6	30,4				
14	Assess the involvement of teaching staff in the process of making managerial and strategic decisions	65,2	34,8				
15	How is the innovation activity of teaching staff encouraged?	65,2	34,8				
16	Assess the level of feedback from teaching staff with management	69,6	26,1	4,3			
17	What is the level of stimulation and involvement of young professionals in the educational process?	65,2	30,4	4,3			
18	Evaluate the created opportunities for professional and personal growth for each teacher and employee	56,5	43,5				
19	Assess the adequacy of the university management's recognition of the potential and abilities of teachers	60,9	30,4	8,7			
	How the work is delivered						
20	• Academic mobility	47,8	47,8	4,3			
21	• On advanced training of the teaching staff	69,6	26,1	4,3			
	Evaluate the support of the university and its management						
22	Research initiatives of the faculty	60,9	34,8	4,3			
23	• Development of new educational programs / academic disciplines / teaching methods	82,6	17,4				

	Assess the level of ability of the faculty to combine teaching						
24	• With scientific research	52,2	39,1	8,7			
25	• With practical activities	69,6	30,4				
26	Assess how the knowledge of students obtained at the university corresponds to the realities of the requirements of the modern labor market	87	13				
27	How does the leadership and administration of the university perceive criticism?	43,5	52,2	4,3			
28	Assess how your workload meets your expectations and capabilities?	47,8	52,2				
29	Assess the focus of educational programs / training programs on the formation of students' skills and abilities to analyze the situation and make forecasts?	69,6	30,4				
30	Assess how the educational program in terms of content and quality of implementation meets the expectations of the labor market and employers	69,6	30,4				

Why do you work at this university?

Honesty, openness

It is my duty to serve my homeland. Because I graduated from this university.

I am a graduate of the institute, my goal is to provide quality education to young people

Reasonable hours, openness, career development, employee support

Before becoming a sultan in another country, be a nationalist in your own country!!!

My golden nest that I read. I am a native of the holy land of Torgai

A very good team at the university.

Salary

I like the team, there is an opportunity for career growth

I myself studied at this institute

I wanted to be a teacher

He likes it

ArkPI provides quality education

I am a graduate of this institute. The main attention is paid to quality education and upbringing

According to my place of residence

Working in a higher educational institution near Tosyn, educating future young people

I came by referral

because I live in the city of Arkalyk

As a resident of the local city and to contribute to the development of future generations

I am a graduate of this university. I like the city.

I live in this region

career growth, openness, honesty

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

Often	often	Someti mes	Very rarely	never
39,1	43,5	17,4		

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

Often	often	Someti mes	Very rarely	never
4,3	69,6	26,1		

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

Questions	often	Sometimes	never	No answer
Lack of classrooms	13	17,4	69,6	
Unbalanced study load by semesters	8,7	26,1	65,2	
Unavailability of necessary literature in the library	4,3	52,2	43,5	
Overcrowding of study groups (too many students in the group)	4,3	26,1	69,6	
Inconvenient schedule	26,1	73,9		
Inappropriate conditions for classes in classrooms	4,3	21,7	73,9	
No internet access/poor internet	8,7	47,8	43,5	
Students' lack of interest in learning		43,5	56,5	
Untimely receipt of information about events		13	87	
Lack of technical teaching aids in classrooms	4,3	39,1	56,5	
Other problems	No problem No Problems did not arise Marseille did not arise There were no problems No other problems. There is no problem Nope No problem There were no significant problems no other problems No No			

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

Questions	Completely satisfied (1)	Partially satisfied (2)	dissatisfied (3)	Difficult to answer (4)
he attitude of the university management towards you	82,6	13		4,3
Relationships with direct management	87	13		
Relationships with colleagues in the department	91,3	4,3		4,3
The degree of participation in managerial decision-making	82,6	17,4		
Relations with students	100			
Recognition of your successes and achievements by the administration	78,3	21,7		
Support for your suggestions and comments	82,6	13		4,3
University administration activities	95,7	4,3		
Terms of pay	78,3	13	4,3	4,3
Working conditions, list and quality of services provided at the university	73,9	26,1		
Occupational health and safety	78,3	21,7		
Management of changes in the activities of the university	82,6	17,4		
Providing a social package: rest, sanatorium treatment, etc.	43,5	39,1	8,7	8,7
Organization and quality of food at the university	78,3	13	8,7	
Organization and quality of medical care	78,3	21,7		

ANNEX 4. RESULTS OF STUDENT QUESTIONNAIRE

Total number of profiles: 135

Floor:

Male	28,9
Female	71,1

Rate how satisfied you are:

Questions	Completely satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	I'm at a loss
1. Relations with the dean's office (school, faculty, department)	68,9	27,4	2,2		1,5
2. The level of accessibility of the dean's office (school, faculty, department)	63,7	34,8	1,5		
3. The level of accessibility and responsiveness of the leadership (university, school, faculty, department)	67,4	27,4	3		2,2
4. Availability of academic counseling	64,4	32,6	3		
5. Support with educational materials in the learning process	68,9	27,4	3,7		
6. Availability of counseling on personal problems	57,8	34,8	5,9	0,7	0,7
7. Relationship between student and teacher	61,5	29,6	5,2	2,2	1,5
8. The activities of the financial and administrative services of the educational institution	54,1	35,6	6,7	1,5	2,2
9. Accessibility of health services	67,4	27,4	3,7		1,5
10. The quality of medical care at the university	64,4	27,4	5,9		2,2
11. The level of availability of library resources	77,8	19,3	2,2		0,7
12. The quality of services provided in libraries and reading rooms	83,7	13,3	2,2		0,7
13. Existing educational resources of the university	72,6	24,4	2,2	0,7	
14. Availability of computer classes	64,4	25,9	8,1		1,5
15. Availability and quality of Internet resources	69,6	25,2	3,7		1,5
16. The content and information content of the website of educational organizations in general and faculties (schools) in particular	67,4	29,6	2,2		0,7
17. Study rooms, auditoriums for large groups	63,7	27,4	4,4	3,7	0,7
18. Lounges for students (if available)	48,1	28,1	8,1	5,2	10,4
19. Clarity of disciplinary procedures	65,2	30,4	3	0,7	0,7
20. The quality of the educational program as a whole	69,6	26,7	3		0,7
21. The quality of study programs in the EP	74,1	23,7	1,5		0,7

22. Teaching methods in general	66,7	28,9	2,2		2,2
23. Quick response to feedback from teachers on the educational process	68,1	28,9	2,2		0,7
24. The quality of teaching in general	71,9	23,7	3		1,5
25. Academic load / requirements for the student	63	33,3	3		0,7
26. Requirements of the teaching staff for the student	66,7	28,1	3,7		1,5
27. Information support and clarification before entering the university of the rules for admission and the strategy of the educational program (specialty)	68,1	24,4	4,4	0,7	2,2
28. Informing the requirements in order to successfully complete this educational program (specialty)	73,3	24,4	2,2		
29. The quality of examination materials (tests and examination questions, etc.)	66,7	29,6	3		0,7
30. Objectivity in assessing knowledge, skills and other educational achievements	71,1	24,4	2,2		2,2
31. Available computer classes	70,4	24,4	3,7		1,5
32. Available scientific laboratories	60	31,9	3,7	1,5	3
33. Objectivity and fairness of teachers	61,5	33,3	3,7	1,5	
34. Informing students about courses, educational programs and the academic degree received	65,2	28,9	5,2		0,7
35. Providing students with a hostel	74,1	18,5	3,7	2,2	1,5

Rate how much you agree:

Statement	Full consent	Agree	Partially agree	Disagree	Complete	disagreement
33. The course program was clearly presented	63,7	29,6	5,9	0,7		
34. Course content is well structured	62,2	29,6	7,4	0,7		
35. Key terms are well explained	58,5	34,8	5,9	0,7		
36. The material proposed by the teacher is relevant and reflects the latest achievements of science and practice.	63,7	30,4	5,2	0,7		
37. The teacher uses effective teaching methods	58,5	29,6	8,1	3	0,7	
38. The teacher owns the material being taught	62,2	31,1	5,2	0,7	0,7	
39. Teacher's presentation is clear	65,9	26,7	6,7	0,7		
40. The teacher presents the material in an	60	27,4	9,6	3		

interesting way						
41. Objectivity in assessing knowledge, skills and other educational achievements	63	25,2	9,6	2,2		
42. The timeliness of assessing the educational achievements of students	58,5	28,9	11,1	1,5		
43. The teacher meets your requirements and expectations for professional and personal development	57,8	32,6	9,6			
44. The teacher stimulates the activity of students	58,5	30,4	10,4	0,7		
45. The teacher stimulates the creative thinking of students	54,8	34,1	9,6	1,5		
46. The appearance and manners of the teacher are adequate	63	28,1	8,9			
47. The teacher shows a positive attitude towards students	57,8	32,6	8,9		0,7	
48. The system for assessing educational achievements (seminars, tests, questionnaires, etc.) reflects the content of the course	67,4	26,7	5,2	0,7		
49. Evaluation criteria used by the teacher are clear and accessible	60,7	30,4	8,1	0,7		
50. The teacher objectively evaluates the achievements of students	57,8	34,1	6,7	1,5		
51. The teacher speaks a professional language	61,5	31,9	6,7			
52. The organization of education provides sufficient opportunities for sports and other leisure activities.	64,4	26,7	6,7	2,2		

Other problems of quality of Education:

No

Net

net

Netu

No problem

Everything is fine

No problem

No problems

All good

Everything is wonderful!!!

No education is good

Agree

No problem

It would be nice to provide financial assistance to students when representing the Institute

no complaints

Satisfied

Everything is good there is no problem

Good

other projects I didn't see

Good

Like no other

No problem.

The problem with quality training is not. In our educational building, everything is well organized.

No

No

Modern educational methods should be used in teaching

No suggestions

