

**MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC
OF KAZAKHSTAN
NJSC "KORKYT ATA KYZYLORDA UNIVERSITY"**

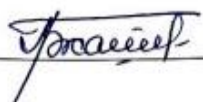
**The DEVELOPMENT PLAN
of the educational program
6B06352-"Information security systems"
for 2024-2028 years**

Kyzylorda, 2024

APPROVED

at a meeting of the Academic Council on educational areas

Protocol № 8 « 21 » 04 2024 y

Chairman  B.B. Abzhalelov

REVIEWED

at a meeting of the Department of Computer Science

Protocol № 9 « 19 » 04 2024 y

Head of the educational program  N.B. Konyrbaev

BASIS FOR DEVELOPING THE EDUCATIONAL PROGRAM PLAN:

Korkyt Ata University Strategic Development Plan for 2024-2029

1. Developers EP

Members of the Council of Employers on the EP of the Information Security System	Information Security Department of the office of the Akim of the Kyzylorda region
Main employers	The Information Security Department of the Akim's office of the Kyzylorda region is headed by A.B. Almenova; The Information Technology Department of the Kyzylorda Production branch of «QAZAQGAZAIMAQ» JSC is headed by A.U. Sarbalaev.
Members of the Academic Council among employers	-
The main educational institutions and enterprises with which cooperation is carried out within the framework of the OP	Digital Technologies Department of the office of the Akim of the Kyzylorda region; Kyzylordatranstelecom Kyzylorda city branch of Transtelecom JSC.
Branches of the department	Digital Technologies Department of the office of the Akim of the Kyzylorda region; LLP "School of programming "Grand Master"

2. THE MAIN OBJECTIVES OF THE EDUCATIONAL PROGRAM DEVELOPMENT

Strategic direction 1. *Expanding access to university educational services*

<i>№</i>	Performance indicators (share, percentage, quantity)	Measurement units	2024	2025	2026	2027	2028
1.	The contingent of students	person	199	206	257	260	247
2.	The contingent of students after secondary technical education. Secondary education profiles (accelerated learning)	person	22	32	30	30	30
3.	The contingent of students after higher education	person	-	-	-	-	-
4.	Admission to full-time education, 4 years	person	50	50	55	60	50
5.	Admission to accelerated education (3 years, 4 years)	person	10	10	10	10	10
6	Release	person	31	31	62	83	60

Strategic direction 2. *Innovative provision of educational activities*

<i>№</i>	Performance indicators (share, percentage, quantity)	Measurement units	2023	2024	2025	2026	2027
1.	The results of the rating of the EP National Chamber of Entrepreneurs «Atameken»	place	10/10				
2.	Accreditation of the EP	fact	2021				
3.	Development of an educational program with the participation of large companies, national companies, government agencies, associations and employers	fact	1	1	1	1	1

4.	Updating the EP to meet the requirements of the labor market	fact	+	+	+	+	+
5.	The number of specialists involved in the educational process in the relevant industry	person	3	3	4	5	5
6.	The share of teaching staff with a degree in an educational program EP	%	40	42	45	50	50
7.	The number of teaching staff who have completed advanced training courses in the subject area	person	5	5	8	10	10
8.	The share of graduates of the EP employed in the first year after graduation (of the total number of graduates)	%	78	84	89	90	90
9.	The proportion of university graduates participating in the assessment of the quality of educational services (full-time education)	%	100	100	100	100	100
10.	The number of employers involved in the assessment of the quality of professional training	person	3	4	4	4	4
11.	The proportion of students participating in the assessment of teaching activities of teaching staff (full-time education)	%	100	100	100	100	100
12.	The proportion of graduates who have passed the threshold score of the NCT (only for pedagogical specialties)	%	-	-	-	-	-
13.	Quantity is a Massive Open Educational Course developed by teachers of the EP	units	6	10	15	20	20
14.	The share of applicants to universities with the "Altyn Belgi" marks, winners of international Olympiads and competitions of scientific projects of the last three years, winners of the presidential, republican Olympiads and competitions of scientific projects of the current academic year (awarded with diplomas of the first, second and third degrees) from their total number	units	3	3	4	5	5

Strategic direction 3. *International cooperation and internationalization*

<i>№</i>	Performance indicators (share, percentage, quantity)	Measurement units	2024	2025	2026	2027	2028
1.	Interuniversity partnership within the framework of the: Double-degree courses	units	1	1	1	1	1
	with a foreign university	units	1	1	1	1	1
	with a Kazakh university	units	1	1	1	1	1
2.	The number of subjects in English by EP	units	6	7	8	8	8
3.	The number of students of the EP participating in the framework of the external outgoing academic mobility program	person	1	1	1	1	1
4.	The number of students in the EP participating in the internal outgoing academic mobility program	person	1	1	2	2	2
5.	The number of students in the EP	person	1	1	1	1	1

	participating in the internal incoming academic mobility program						
6	The number of teaching staff participating in the internal outgoing academic mobility program	person	1	1	1	1	1
7.	The number of teaching staff participating in the internal incoming academic mobility program	person	1	1	1	1	1
8.	The number of foreign scientists involved	person	1	1	2	2	2
9.	The number of teaching staff participating in the external outgoing academic mobility program	person	-	1	1	1	1
10.	The number of teaching staff teaching in English	person	6	7	8	9	9

Strategic direction 4. *Development of the innovation ecosystem*

<i>№</i>	Performance indicators (share, percentage, quantity)	Measurement units	2024	2025	2026	2027	2028
1.	The number of teaching staff participating in educational and research projects	person	2	3	3	3	4
2.	The number of teaching staff involved in the implementation of fundamental and applied research	person	4	4	4	4	5
3.	The number of publications in publications included in quartiles 1, 2 and 3 according to the Journal Citation Reports of Clarivateanalytics or those with a CiteScore percentile indicator in the Scopus database	units	5	8	6	7	8
4.	The number of publications of doctoral students' scientific articles in journals with a non-zero impact factor included in the Thomson Reuters/Scopus databases	units	1	1	1	1	1
5	The number of research projects carried out within the framework of international cooperation	units	1	1	2	2	3
6	The number of publications in publications recommended by the Committee for Control in the field of Education and Science	units	6	7	8	8	10
7	Number of students' publications	units	4	6	7	7	8
8	The number of students taking part in scientific research	person	2	4	5	5	5
9	The number of students taking part in scientific competitions	person	3	3	4	4	5
10	The number of students taking part in the republican Olympiads	person	2	2	2	3	3

Strategic directions 5. *Modernization of infrastructure*

№	Performance indicators (share, percentage, quantity)	Measurement units	2024	2025	2026	2027	2028
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1	Development of a computer park	units	17	20	20	25	25
2	Purchase of software	units	2	3	3	4	4
3	Purchase of laboratory equipment, etc.	units	2	3	3	4	3
4	Replenishment of the library fund	units	20	20	20	25	25
5	Purchase of furniture	units	3	5	6	6	5

3.RISK MANAGEMENT OP MAY FACE A NUMBER OF RISKS THAT IMPEDE THE ACHIEVEMENT OF THE GOAL AND THE ACHIEVEMENT OF TARGET INDICATORS.

Name of risks that may affect the achievement of the goal	Risk management activities
Departure of applicants to other regions of the country and countries of near and far abroad	- expansion and activation of Career Guidance work; - opening of representative offices in the near and far abroad countries
Strengthening competition in the market of educational services by universities in related specialties	- strengthening of Career Guidance work among students of schools and colleges, coverage of other regions of Kazakhstan and near abroad
Lack of qualified scientific and pedagogical personnel	- opening of new educational programs at the University; - training of specialists in domestic and foreign universities; - preparation of the personnel Reserve; - Improving the system of incentives for teaching staff and providing a social package; - invitation of qualified teaching staff within the framework of the academic mobility program; - increase the number of branches of the department in production in order to attract experienced specialists to the educational process
Untimely development of innovative educational programs	- organization and conduct of training seminars for developers of educational programs together with employers; - providing educational program developers with Professional Standards, guidelines, methodological recommendations and other documentation on the development of quality educational programs; - intensification of the effective work of academic councils in the areas of Personnel Training.
Reducing the quality of educational services	- development of educational programs in accordance with the approved professional standards; - broad involvement of stakeholders in the development of educational programs; - study of interests, requests, needs of stakeholders; - conducting an expert assessment of educational programs; - organization and conduct of training seminars on improving pedagogical skills, advanced training courses for teaching staff; - improvement of the material and technical base; - conducting sociological surveys among students and teachers about the quality of educational services and ways to improve them; - Organization of focus groups to study the quality of educational services; - functioning of academic councils, quality committees
Reducing the relevance of translated knowledge	- Organization of feedback with students on a regular basis in classroom and extracurricular time;

	- invitation of production specialists, foreign teachers to give lectures, conduct master classes, conduct communication work with students; - Organization of training sessions with elements of dual training; - development of minor additional educational programs for students within the framework of basic educational programs
Publication of scientific articles of teaching staff and employees in "predatory" journals	- Organization of training seminars; - informing teachers about scientific journals and their status
Low expert assessment of research projects of University scientists	- Organization of training seminars; - Organization of internal expertise of scientific projects of scientists; - Organization of open discussion of topics, goals and expected results of scientific projects of University scientists
Weak interest of enterprises and business structures in the commercialization of scientific products	- identification of business needs for scientific developments; - conducting research and development work; - expansion of relations with enterprises and business structures; - activation of the work of the Employers' Council
Reduced technical characteristics material and technical base	- analysis of the capabilities of the available material and technical base of educational programs; - Submission of applications for the purchase of new equipment; - constant updating of the material and technical base; - use of virtual laboratories, digital laboratory facilities in training sessions
The low level of motivation of applicants	- Strengthening Career Guidance work to attract talented young people; - allocation of University Grants for talented young people and provision of educational benefits; - effective organization of the activities of the preparatory department and the recruitment center of the University; - expansion of contacts with large enterprises of the region for targeted training of personnel

Head of the department



N.B. Konyrbaev