

Ministry of Science and Higher Education of the Republic of Kazakhstan
Korkyt Ata Kyzylorda University

SEOULTECH JOINT EDUCATIONAL PROGRAM DEVELOPMENT PLAN

6B06303 - Cybersecurity (AI)

for 2024-2028

Kyzylorda 2024

1. **Responsible University:** Korkyt Ata Kyzylorda University
2. **Partner University:** Seoul National University of Science and Technology (Seultech), South Korea
3. **Implementation period:** 2025-2029.
4. **Target audience:** Graduates of schools, colleges, and undergraduate students
5. **Format:** Full-time training, combined (online and offline)
6. **Languages of instruction:** English, Russian, Kazakh
7. **Educational areas:** Artificial intelligence, programming, cybersecurity, machine learning

APPROVED

at the meeting of the Academic Quality Committee of the Institute Artificial Intelligence
protocol no. 9 of " 26.04" 2024 г.

Chairman  Kulmurzaev N.S.
(signature)

1. EP Developers

Members of the Employers 'Council on OP Cybersecurity	Kanat Karayev-Director of KSU "Information Technology Center of the Akim of Kyzylorda region"
Main employers	Kazakhtelecom JSC, Transtelecom JSC
Members of the Academic Council among employers	-
the Main educational institutions, enterprises with which cooperation is carried out within the framework of the OP	KSU "Information Technology Center" of the Digital Technologies Department of the Kyzylorda region Information Technology Department of the Kyzylorda Production branch of KazTransGazAymak JSC, Kazakhtelecom JSC, Transtelecom JSC", "SeoulTech"
Branches of the Department	of KSU "Information Technology Center" of the Digital Technologies Department of the Kyzylorda region Programming School "Grand Master"

1. MAIN OBJECTIVES OF THE EDUCATIONAL PROGRAM DEVELOPMENT

Strategic direction 1. Expanding access to University educational services

#	Indicators of results (share, percentage, quantity)	Units	2025	2026	2027	2028	2029 1.
1.	Contingent of students	people	100	100	100	100	100
2.	Contingent of students after secondary technical Prof. or secondary education	people					
3.	Contingent of students after higher education	people					
4.	Full-time admission, 4 years	person	100	100	100	100	100
5.	Admission to the accelerated form of education (3 years, 4 years)	pers					
6	Graduation	pers			100	100	100

Strategic direction 2. Innovative provision of educational activities

#	Indicators of results (share, percentage, quantity)	Units ed.	2025	2026	2027	2028	2029 1.
1.	Results of the rating of EP NPP Atameken	place	3	2	2	2	2
2.	EP accreditation	fact			+		
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.	Number of specialists involved in the training process in the relevant industry	people	1	3	4	4	4
6.	Percentage of teaching staff with an academic degree in EP	%	60	60	80	80	80
7.	Number of teaching staff who have completed advanced training courses in the subject area	people	10	10	15	15	20
8.	Percentage of EP graduates employed in the first year after completing their studies (from the total number of graduates)	%			90	95	95
9.	Percentage of university graduates participating in the assessment of the quality of educational services (full-time study)	%			100	100	100
10.	Number of employers participating in the assessment of the quality of professional training	people	5	6	7	7	7

11.	Percentage of students participating in the assessment of teaching activities of teaching staff (full-time training)	%	100	100	100	100	100
12.	Percentage of graduates who passed the NCT threshold score(only for pedagogical specialties)	%	-	-	-	-	-
13.	Number of MOOCs developed by EP teachers	ed	2	3	6	8	10
14.	The share of those who entered universities with the "Altyn Belgi" badges, winners of international Olympiads and competitions of scientific projects of the last three years, winners of presidential and republican Olympiads and competitions of scientific projects of the current academic year (awarded with first, second and third degree diplomas) from their total number	%	20	30	30	40	40

Strategic direction 3. International cooperation and internationalization

#	Indicators of results (share, percentage, quantity)	Units	2025	2026	2027	2028	2029 1.
1.	Interuniversity partnership within the framework of the EP: Two-degree EP	units	1	1	1	1	1
	with a foreign university	units	1	1	1	1	1
	with a Kazakh university	units	.-	-	-	-	-
2.	Number of subjects in English in the EP	units	8	10	15	20	20
3.	Number of EP students participating in the external outgoing academic mobility program	people			20	20	20
4.	Number of EP students participating in the internal outgoing academic mobility program	people		5	5	10	10
5.	Number of EP students participating in the internal incoming academic mobility program	people		5	5	10	10
6	Number of teaching staff participating in the internal outgoing academic mobility program	people		1	1	1	2

	mobility						
7.	Number of teaching staff participating in the internal incoming academic mobility program	people	1	1	1	2	2
8.	Number of foreign scientists involved	people	2	2	4	4	4
9.	Number of teaching staff participating in the external outgoing academic mobility program	people		2	2	2	2
10.	Number of teaching staff teaching in English	people	5	6	6	6	6

Strategic direction 4. Development of the innovation ecosystem

#	Indicators of results (share, percentage, quantity)	Units	2025	2026	2027	2028	2029 1.
1.	Number of teaching staff participating in educational and research projects	people	6	15	20	20	25
2.	Number of teaching staff involved in the implementation of basic and applied research	people	3	5	5	8	10
3.	The number of publications in publications that are included in quartiles 1, 2, and 3 according to Clarivate Analytics ' Journal Citation Reports or have the CiteScore percentile indicator in the Scores database	units	2	3	6	8	10
4.	Number of publications of scientific articles of doctoral students in journals with a non - zero impact factor included in the ThomsonReuters/Scopus databases	units			2	2	3
5.	The number of research projects performed within the framework of international cooperation	units.	is	-	1	1	1
6.	Number of publications in publications recommended by the CKSON	units	2	4	5	7	10
7.	Number of student publications	units	2	2	4	6	15
8.	Number of students participating in scientific research	people	2	2	2	3	3
9.	Number of students participating in scientific competitions	people	12	15	17	19	20
10.	Number of students participating in republican Olympiads	people	2	4	8	10	20

Strategic direction 5. Infrastructure modernization

#	Indicators of results (share, percentage, quantity)	Ed. ed.	2023	2024	2025	2026	2027
1	Development of the computer park	ed	. 8	9	12	15	17
2	Purchase of software	ed	. 2	3	4	5	6
3	Purchase of laboratory equipment, etc	. ed	. 1	1	1	1	1
4	Replenishment of the library fund	ed	. 70	100	200	210	215
5	Purchase of furniture	ed	. 5	8	8	10	12

8. RISK MANAGEMENT

The EP may face a number of risks that hinder the achievement of the goal and the achievement of target indicators.

Name of risks that may affect the achievement of the goal	of the Risk management event
Failure to meet the target figures for the admission of students to the university due to the outflow of applicants to other regions of the country and to countries of near and far abroad, and as a result, a decrease in the number of students	-expansion and activation of career guidance work in city and regional schools, colleges; - opening of representative offices in the countries of near and far abroad-
Increased competition in the market of educational services from universities in related specialties	-increased career guidance among students of schools and colleges, coverage of other regions of Kazakhstan and near abroad-
Lack of specialized literature in English for students of multilingual groups	-to activate the release учебных of textbooks by the teaching staff of the department
Reduced relevance of transmitted knowledge	itself --organization of feedback with students during the classroom and extracurricular hours on a permanent basis; - invitation of production specialists, foreign teachers to give lectures, conduct master classes, contact work with students; -organization of training sessions with elements of dual training; - development of additional minor educational programs for students within the framework of the main 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 statuses
-risk of reducing students' activity for participation in extracurricular activities	-development of an event with to increase students' motivation to participate in extracurricular activities

Head of Educational Programs

Kulmurzaev N.S.