MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN NJSC "Eurasian National University named after L.N. Gumilyov"

MMINES ATA APPROVED Dean of the Faculty of Information technologies (MARAE) 2023

REPORT about research work Department of Information Security (name of the department) for 2023

REVIEWED at a meeting of the Faculty Council / at a meeting of the department Protocol No4/ "<u>30</u>" 14 2023

Astana - 2023

1. STAFFING

1.1 Winners of awards, honorary titles (international, republican):

1) State awards:

Medals of the Republic of Kazakhstan ("Erligi ushin", "Zhauyngerlik erligi ushin"", "Eren enbegi ushin", "Shapagat")

Honorary titles of the Republic of Kazakhstan ("Kazakhstannyn enbek sinirgen kairatkeri")

2) Departmental awards: Badge "Y. Altynsarin", the badge" Kylymdy Damyta qa sirgen rygi yshin ", the badge" bilim bie isinin qrmetti kyzmetkeri ", the badge" salasynya yzdidigi "

3) The best university lecture

Aimicheva G.I. - title of Best University Lecture

4) Membership in Academies

5) Holders of international titles and diplomas

6) Certificates from ministries and departments

Certificate of honor

Satybaldina D.Zh. - "Kurmet gramatasy" on behalf of the rector of ENU named after L.N. Gumilyov, 2023

Abduraimova B.K. - K R FZHM ministerden kurmet gramatasy, 2023.

Nurusheva A.M. – grant funding for young scientists under the "Zhas Galym" project for 2023-2025

Tokkulieva A.K. - "Algys Khat" on behalf of the rector of ENU named after L.N. Gumilyov, 2023

1.2 Prizes received in the field of science, scientific scholarships (including "Bolashak") in the Republic of Kazakhstan

	FULL NAME,	Name of the competition, date and location	Result			
	uch. degree, position					
1	Not available	-	-			
Total:	Total: -					

1.3 Received awards in the field of science, scientific scholarships, grants (ErasmusMundus, Tempus, DAAD, etc.) abroad

No.	FULL NAME,	Name of the competition, date and location	Result			
	uch. degree, position					
1	Not available		-			
Total:-	Total:-					

1.4 Availability of scientific schools

2. MAIN RESULTS OF SCIENTIFIC ACTIVITIES OF STAFF

2.1. Main (significant) results of scientific activity

Teachers of the Department of Information Security carry out research activities together with the Research Institute of Information Security and Cryptology.

The Research Institute "Information Security and Cryptology" has been operating since 2012 (http://iisc.kz/). The director of the institute is Candidate of Physical and Mathematical Sciences, PhD, Associate Professor (Associate Professor), Professor of the Department of Information Security D.Zh. Satybaldina. (from October 2022)

Research and development activities of the institute are implemented in the following areas:

- 1. Security of information systems;
- 2. Coding and protection of information;
- 3. Applied cryptography;
- 4. Security in cloud computing;
- 5. Hardware information protection;
- 6. Development of crypto-algorithms;
- 7. Software solutions.

The Research Institute "Information Security and Cryptology" is implementing the following projects of grant and program-targeted funding of the Science Committee of the Ministry of Education and Science of the Republic of Kazakhstan:

- AP09258274 "Research and development of methods and means for generating S-boxes for symmetric cryptographic algorithms", scientific supervisor Seitkulov E.N., 2021-2023.
- AP14869013 "Research and development of a cryptographic system for backup storage of confidential data in secure servers", scientific supervisor Seitkulov E.N., 2022-2024.
- BR18574045 " Development of methods, models and technologies to improve the level of cybersecurity of cellular communication networks in the Republic of Kazakhstan", PCF project, scientific supervisor Seitkulov E.N., 2023-2024.
- AP19175746 "Development of software tools for assessing cybersecurity risks of critical infrastructure systems", grant funding for young scientists under the project "Zhas Alym" for 2023-2025, supervisor A.M. Nurusheva, postdoctoral research advisor D.Zh. Satybaldina, 2023 -2025

The department is implementing the following projects of grant and program-targeted funding of the Science Committee of the Ministry of Education and Science of the Republic of Kazakhstan :

- AP14872171 "Development of models and algorithms for processing and transferring sensory data in the production of multitasking gas analytical systems", scientific supervisor Satybaldina D.Zh., 2022-2024.
- AP13268857 "Development of a new wearable robotic exoskeleton for the rehabilitation of the ankle joint", scientific supervisor Postdoctoral student of the Department of Information Science Balbaev G.K., scientific advisor of the postdoctoral student Seitkulov E.N.,

2022-2024.

• AP19680157 "Research and development of intelligent multi-sensor systems for monitoring the gas environment of storing vegetables and fruits", scientific supervisor: Seilov Sh.Zh., 2023-2025.

No p /p	. FULL NAME. author(s) (indicate in English)	Publication title	Journal name, year, number, page, ISSN	journal impact factor
De	partment			
1.	Petrenko, V., Tebueva, F., Antonov, V., Sakolchik, A., Satybaldina , D.	task distribution in a swarm of unmanned aerial vehicles in a clustered field of targets	Journal of King Saud University - Computer and Information Sciences, 2023, 35(3), pp. 283–291. SJR – 0.971 (2021), Indexed in Web of Science, Scopus: Q1, percentile according to CiteScore – 95. DOI 10.1016/j.jksuci.2023.02.022 https://www.webofscience.com/wos/woscc/full- record/WOS:000991207000001	Citation Indicator = 1.59 (2022 , Journal
2.	Aliya Abdiraman , Nikolaj Goranin , Simas Balevicius , Assel Nurusheva , Inga Tumasonienė	for Improvement of Information	https://doi.org/10.3390/su13108114	Journal Citation Indicator = 0.65 (2021) Journal Impact Factor = 3.889 (2021)
3.	Nazyrova, A., Milosz, M., Bekmanova, G., Omarbekova, A., Mukanova, A., & Aimicheva , G.	Analysis of the Consistency of Prerequisites and Learning Outcomes of Educational Program Courses by Using the Ontological Approach.		Q2, Journal Impact Factor =2.838(202)

2.2 Scientific publications in international scientific publications Web of Science (*provide a "screenshot" from the database*):

4	Akanov A, Sagindykov K.	Information in the Database	International journal of Interactive Mobile Technologies, VOL. 17 NO. 14 (2023), Scopus: Q2, https://doi.org/10.3991/ijim.v17i14.36073	60% 314/792 Computer Science Applications
	Zaytsev V., Fedorov, F.S., Goikhman, B., Maslennikov, A., Mashukov, V., Simonenko, N.P., Gabdullina D., Kovalenko O., Simonenko E.P., Kvitko P., Penkova P., Satybaldina D. , Seilov S. , Dubinina T., Gorin D. & Nasibulin, A.G.	method of recycled food plastics VOCs by electronic nose based on Al-doped zinc oxide	418. – P. 138042.	Citation Indicator =
6	Momynkulov Z., Dosbayev Zh., Suliman A., Abduraimova B., Smailov N., Zhekambayeva M., Zhamangarin, D	Dangerous Urban Sounds Using Deep		· · · · ·
Tot	al: 6			

2.3 H-index according to the Web of Science database:

No	FULL NAME. uch. degree, position	h-index	ī
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1Satybaldina D.Zh., Ph.D., Ph.D., associate professor (associate professor)32Seitkulov E.N., Ph.D., Associate Professor, Acting professors33Shaikhanova A.K., PhD, associate professor, acting professors24Nurusheva A.M., PhD, acting associate professor35Ospanova A.B., Ph.D., Acting associate professor26Sagindykov K.M., Ph.D., Acting associate professor17Seilov Sh.Zh., Ph.D., Doctor of Economics Professor28Tashatov N.N., Ph.D., Acting associate professor19Konyrkhanova A.A., PhD, acting associate professor110Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer120Zharkimbekova A.T., PhD, senior lecturer2			1	
3Shaikhanova A.K., PhD, associate professor , acting professors24Nurusheva A.M., PhD, acting associate professor35Ospanova A.B., Ph.D., Acting associate professor26Sagindykov K.M., Ph.D., Associate Professor17Seilov Sh.Zh., Ph.D., Doctor of Economics Professor28Tashatov N.N., Ph.D., Acting associate professor19Konyrkhanova A.A., PhD, acting associate professor110Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.B., master's degree, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer119Sisenov N.M., master, senior lecturer1	1	Satybaldina D.Zh., Ph.D., PhD, associate professor (associate professor)	3	
4Nurusheva A.M., PhD, acting associate professor35Ospanova A.B., Ph.D., Acting associate professor26Sagindykov K.M., Ph.D., Associate Professor17Seilov Sh.Zh., Ph.D., Doctor of Economics Professor28Tashatov N.N., Ph.D., Acting associate professor19Konyrkhanova A.A., PhD, acting associate professor110Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	2	Seitkulov E.N., Ph.D., Associate Professor, Acting professors	3	
5Ospanova A.B., Ph.D., Acting associate professor26Sagindykov K.M., Ph.D., Associate Professor17Seilov Sh.Zh., Ph.D., Doctor of Economics Professor28Tashatov N.N., Ph.D., Acting associate professor19Konyrkhanova A.A., PhD, acting associate professor110Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	3	Shaikhanova A.K., PhD, associate professor, acting professors	2	
6Sagindykov K.M., Ph.D., Associate Professor17Seilov Sh.Zh., Ph.D., Doctor of Economics Professor28Tashatov N.N., Ph.D., Acting associate professor19Konyrkhanova A.A., PhD, acting associate professor110Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	4	Nurusheva A.M., PhD, acting associate professor	3	
7Seilov Sh.Zh., Ph.D., Doctor of Economics Professor28Tashatov N.N., Ph.D., Acting associate professor19Konyrkhanova A.A., PhD, acting associate professor110Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	5	Ospanova A.B., Ph.D., Acting associate professor	2	
8Tashatov N.N., Ph.D., Acting associate professor19Konyrkhanova A.A., PhD, acting associate professor110Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	6	Sagindykov K.M., Ph.D., Associate Professor	1	
9Konyrkhanova A.A., PhD, acting associate professor110Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	7	Seilov Sh.Zh., Ph.D., Doctor of Economics Professor	2	
10Shakhmetova G.B., master's degree, senior lecturer111Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	8	Tashatov N.N., Ph.D., Acting associate professor	1	
11Aimicheva G.I., master, senior lecturer312Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	9	Konyrkhanova A.A., PhD, acting associate professor	1	
12Akhmetova Zh.Zh., PhD, acting associate professor213Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	10	Shakhmetova G.B., master's degree, senior lecturer	1	
13Tashenova Zh.M., PhD, senior lecturer114Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	11	Aimicheva G.I., master, senior lecturer	3	
14Urynbasarova A.Zh., master, senior lecturer115Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	12	Akhmetova Zh.Zh., PhD, acting associate professor	2	
15Korzhaspaev A.E., master, senior lecturer116Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	13	Tashenova Zh.M., PhD, senior lecturer	1	
16Isaynova A.N., master, senior lecturer117Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	14	Urynbasarova A.Zh., master, senior lecturer	1	
17Tokkulieva A.K., master, senior lecturer118Bekeshova G.B., master, senior lecturer119Sisenov N.M., master, senior lecturer1	15	Korzhaspaev A.E., master, senior lecturer	1	
18 Bekeshova G.B., master, senior lecturer 1 19 Sisenov N.M., master, senior lecturer 1	16	Isaynova A.N., master, senior lecturer	1	
19 Sisenov N.M., master, senior lecturer 1	17	Tokkulieva A.K., master, senior lecturer	1	
	18	Bekeshova G.B., master, senior lecturer	1	
20 Zharkimbekova A.T., PhD, senior lecturer 2	19	Sisenov N.M., master, senior lecturer		
	20	Zharkimbekova A.T., PhD, senior lecturer	2	

21 Tokseit D.K. PhD, senior lecturer		2
Total: 21		

2.4 Scientific publications in international scientific publications Scopus (provide a "screenshot" from the database):

No. p /p	FULL NAME. author(s) (indicate in English)	Publication title	Journal name, year, number, page, ISSN	impact factor (SJR)
Departmen	at a start star			
Sagi Kon	ndykov K ,	Modeling the dynamical ethnic processes in multinational society", Journal of Modeling in Management	Journal of Modeling in Management, 2023, 18(1), pp 61-71 fScopus percentile -64 https://www.scopus.com/authid/detail.uri?authorId=571946233	1,
2 Petre Anto	enko, V., Tebueva, F., pnov, V., Sakolchik, A., baldina, D.	distribution in a swarm of unmanned	 Journal of King Saud University - Computer and Information Sciences, 2023, 35(3), pp. 283–291. SJR – 0.921 (2022), fIndexed in Web of Science, Scopus: Q1, percentile according to CiteScore – 84. DOI 10.1016/j.jksuci.2023.02.022 https://www.scopus.com/record/display.uri?eid=2-s2.0- 85149772915&origin=resultslist&sort=plf-f 	n 0.924
Gora Asse	nin , Simas Balevicius ,	Application of Multicriteria Methods for Improvement of Information Security Metrics	Sustainability 2023, 15(10), 8114; Indexed in Web of Science: Q2, Scopus: Q1, Scopus percentile -83, https://doi.org/10.3390/su15108114	0.664
Bekr Oma	rbekova, A., Mukanova,	Prerequisites and Learning Outcomes of Educational Program Courses by Using the Ontological Approach.	y >	0.507
Mu	ratbekov, M., Iratbekov, M. ynbek, S.	Maximal regularity and two-sided estimates of the approximation numbers of the nonlinear Sturm–Liouville equation solutions with rapidly	e	is 0.628

		oscillating coefficients in L2(R)		
6	Muratbekov, M., Abylayeva, A., Muratbekov, M.	Estimates of singular numbers (s\$\$ s \$\$-numbers) and eigenvalues of a mixed elliptic-hyperbolic type operator with parabolic degeneration	Mathematical Methods in the Applied Sciences this link is disabled, 2023, 46(6), pp. 6368–6380	0.628
7	Naizagarayeva, A., Abdikerimova, G., Shaikhanova, A. , Glazyrina, N., Bekmagambetova, G., Mutovina, N., Yerzhan A., Tanirbergenov A.	Detection of heart pathology using deep learning methods	International Journal of Electrical and Computer Engineering (IJECE), Vol.13, No.6, 2023, pp. 6673~6680. Scopus percentile - 65 DOI: <u>http://doi.org/10.11591/ijece.v13i6.pp6673-6680</u>	0.325
8.		Recognizing Emotions in Text "Uma	r2023 IEEE International Conference on Smart Information iSystems and Technologies, Proceedings, 198 DOI: <u>10.1109/SIST58284.2023.10223554</u>	-
9.	Goikhman, B., Maslennikov, A., Mashukov, V.	method of recycled food plastics VOCs by electronic nose based on Al-doped zind oxide	tJournal of Cleaner Production. – 2023. – V. 418. – P. 138042. /Scopus percentile - 99% chttps://www.scopus.com/record/display.uri?eid=2-s2.0- 85171627643&origin=resultslist&sort=plf-f	1.981
10	Satybaldina, D.,	Artificial Olfactory System for Distinguishing Oil-Contaminated Soils	rWSEAS Transactions on Environment and Development, 2023, 19, pp. 951–960 Scopus percentile - 45% https://www.scopus.com/authid/detail.uri?authorId=571937406 69#	1.7
11	Nurbekova, Z., Aimicheva, G.,	A Decision-Making Platform for Educational Content Assessment	International Journal of Engineering Pedagogy (iJEP), 13(7), pp. 4–23. <u>https://doi.org/10.3991/ijep.v13i7.41689</u>	0.464

	Baigusheva, K.,	Within a Stakeholder-Driven Digital	CiteScore Scopus (2022) - 81%	
	Sembayev, T., &	Educational Ecosystem.		
	Mukametkali, M.			
12	Momynkulov Z., Dosbayev	Fast Detection and Classification of	Computers, Materials and Continued, Volume 75, 2023, pp.	0.525
	Zh., Suliman A.,	Dangerous Urban Sounds Using Deep		
	Abduraimova B. ,	Learning	DOI10.32604/cmc.2023.036205	
	Smailov N.,		(<u>Web of Science</u> ,Q2), (Scopus, percentile -78)	
	Zhekambayeva M.,			
	Zhamangarin, D			
13	N. Katayev, A. Altayeva, B.	1	(IJACSA) International Journal of Advanced Computer	0.9
	Abduraimova , N.	Classification of Impulsive Urban	Science and Applications, Vol. 14, No. 11, 2023 Scopus (Q3)	
	Kurmanbekkyzy, Zh.	Sounds Using BiLSTM Network		
	Madibaiuly, B. Kulambayev			
14	Kadyrov, A., Ussenbayev,	Principal component analysis in the	Indonesian Journal of Electrical Engineering and Computer	0.272
	A., Kurenkeyeva, D.	epidemiology of diarrhea in calves	ScienceOpen AccessVolume 30, Issue 3, Pages 1762 -	
	Kurenkey, B.		1770June 2023	
	Abdrakhmanov, S.			
	Tashatov, N.			
15	,	0 0	Proc. 14th National Conference with International Participation	
	· ·		"Electronica 2023", June 1-3, 2023, Sofia, Bulgaria (accepted,	
	0	(Solutions) and C/C++ Sources without	to be published)	
		Visual Studio		
16	Tasmagambetov O.,	Fault-tolerant backup storage system for	Telkomnika (Telecommunication Computing Electronics	0.286
	Seitkulov Y., Ospanov R.,	confidential data in distributed servers	and Control)Open AccessVolume 21, Issue 5, Pages 1030 -	
	Yergaliyeva B.		10382023	
17	Nursultan Zhetenbayev.,	"Design and Performance of the New	International Journal of Mechanical Engineering and Robotics	0.246
	Gani Balbayev., Algazy	Ankle Joint Exoskeleton"	Research Vol. 12, No. 3, May 2023, pp. 151-158 . (Doi:	
	Zhauyt., Beibit Shingissov		10.18178/ijmerr.12.3.151-158), http://www.ijmerr.com/list-	
			222-1.html;	
18	Nursultan Zhetenbayev.,	"Design and Performance Analysis of	New Trends in Medical and Service Robotics 2023 MESROB	0.189
	Marco Ceccarelli. , Gani	Ankle Joint Exoskeleton",	2023, MMS 133, p . 152–159, 2023.	
	Balbayev		https://doi.org/10.1007/978-3-031-32446-8_17	
19	Z. Nursultan, M.	"Design of an Exoskeleton for	IFToMM International Symposium on Science of	0.189
	L. I (albaltall, 111	6		

		Machine Science 127 https://doi.org/10.1007/978-3-031-25655-4_23	
20	Iskakov KT, Tokseit D., Boranbaev SA, Akhmetov I., Gelbukh I.	Computer Modeling Of The OutgoingComputation y Sistemas. – 2023. – Vol. 27, No. 1 – pp.5-12 GPR Signal	0.219
Total:	20		

2.5 H-index according to Scopus database:

No. p /p	FULL NAME. uch. degree, position	h-index
<u>p / p</u> 1.	Satybaldina D.Zh., Ph.D., Ph.D., associate. professor (associate professor)	5
2.	Seitkulov E.N., Ph.D., Associate Professor, Acting professors	9
3.	Shaikhanova A.K.PhD, associate professor, acting professors	4
4.	Nurusheva A.M., PhD, acting cent.	12
5.	Ospanova A.B., Ph.D., Acting Associate Professor	3
6.	Sagindykov K.M., Ph.D., Associate Professor	3
7.	Abduraimova B.K., Ph.D., senior lecturer	2
8.	Seilov Sh.Zh., Ph.D., Doctor of Economics Professor	2
9.	Tashatov N.N., Ph.D., Acting Associate Professor	5
10.	Konyrkhanova A.A., PhD, acting cent .	2
11.	Shakhmetova G.B., master's degree, senior lecturer	2
12.	Aimicheva G.I., master, senior lecturer	3
13.	Akhmetova Zh.Zh., PhD, acting cent .	3
14	Santeeva S.A., PhD, senior lecturer	2

15	Tashenova Zh.M., PhD, senior lecturer	1
16	Tokkulieva A.K., master, senior lecturer	2
17	Saukhanova Zh.S., Ph.D., Associate Professor	2
18	Urynbasarova A.Zh., master, senior lecturer	1
19	Korzhaspaev A.E., master, senior lecturer	1
20	Isaynova A.N., master, senior lecturer	1
21	Bekeshova G.B., master, senior lecturer	3
22	Sisenov N.M., master, senior lecturer	2
23	Zharkimbekova A.T., PhD, senior lecturer	3
24	Tokseit D.K., PhD, senior lecturer	2
Total	:24	

2.6. Publications in journals not included in the Web of Science and Scopus databases a) in foreign journals (RSCI, etc.)

	FULL NAME. author(s)		Publication title		ame, ye	ar, number,
р /р Dep	artment			page, ISSN		
1	Seidualy Ayan Kozhanazarovich, Nur u Asel Muratovna	usheva	The role of load testing in information security	Moscow, "Internauka Electron . i	No. 16(25 Publishi a", 2023. in version. lvestnik.ru/	55). Part 12., ng house. – 72 p. – oven publ. – /journal/stud/
2	Seidualy Ayan Kozhanazarovich, Nuru	usheva	Development of a load testing method for a microservice	"Student's	Bulletin	': scientific

	Asel Muratovna	information system	journal. – No. 16(255). Part 12., Moscow, Publishing house. "Internauka", 2023. – 72 p. – Electron . in version. oven publ. – https://studvestnik.ru/journal/stud/ herald/255 ISSN 2686-9810 50-53
3 Tot:	Zeinel Momynkulov, Zhandos Dosbayev, Azizah Suliman, Bayan Abduraimov a, Nurzhigit Smailov, Maigul Zhekambayeva, Dusmat Zhamangarin al: 3	Fast Detection and Classification of Dangerous Urban Sounds Using Deep Learning	Computers, Materials & Continua 2023, 75(1), 2191-2208

b) in journals of the Republic of Kazakhstan included in the list of the Committee for Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN
р/р			
Depa	rtment		
1	K.O. Shakerkhan, A.Aden, N.K.	Mathematical model of a computer program for	Bulletin of the Kazakh Academy of Transport and
	Kurmangalieva, K.M.	controlling bioreactor processes	Communications named after M. Tynyshpayev,
	Sagyndykov , A.A.		ISSN 1609-1817 (Print),
	Konyrkhanova		ISSN No. 2790-5802(Online),
			No. 1(124)-2023, pp. 283-298
2	Satybaldina D., Yakovlev V.,	Methods of cryptographic protection and	KazATK Bulletin. – 2023. – No. 2 (125) – P. 302–314.
	Ergalieva B., Ospanov R.,	authentication in cellular networks	ISSN 1609-1817
	Amanzholova S.		ISSN Online 2790-5802
			https://vestnik.alt.edu.kz/index.php/journal/
			article / view /1138
3	Satybaldina, D. , Kalymova , K.	Application of transfer learning of neural networks in	Bulletin of KazNPU named after. Abay, series "Physical
	Sydykov, D.	image classification	and Mathematical Sciences"2023 No. 1 (81) P.159-
			169. DOI: https://doi.org/10.51889/2022-4.1728-
			7901.335.
			https://bulletin-

			phmath.kaznpu.kz/index.php/ped/article/view/1485 ISSN – 1728-7901
4	Satybaldina, D. , Isaynova, A. , Alseitov, O., Baideldinov, M., Seilov, Sh.	the "electronic nose" type and study of its performance for environmental monitoring tasks	KazATK Bulletin. – 2023. – No. 125(2). – pp. 315–323. https://doi.org/10.52167/1609-1817-2023-125-2-315-323 ISSN 1609-1817 ISSN Online 2790-5802
5	Satybaldina D.Zh. , Bisenbaeva N.K., Seitkulov E.N., Seksenbaeva A.K.		Bulletin of ENU named after. L.N. Gumilyov. Series Mathematics. Computer science. Mechanics - 2023 Vol. 142, no. 1 P.21-34. https://bulmathmc.enu.kz/index.php/main/article/view/144 ISSN 2616-7182 eISSN 2663-1326
6	Tasmagambetov , O., Seitkulov, E. , Ospanov, R., Zhuzbaev, S., Ergalieva, B.	Analysis of the security model of the functioning of a fault-tolerant system for backup storage of confidential data .	Bulletin of KazATK-2023 No. 125(2) - pp. 211–222. <u>https://doi.org/10.52167/1609-1817-2023-125-2-211-</u> <u>222</u> ISSN 1609-1817 ISSN Online 2790-5802
7	Moldamurat, Kh., Atanov, S., Taberkhan, R., Kanzhekeev, A. , Musiralieva, Sh.	Development of a voice authentication system on a microcontroller and improvement of the protection method using artificial intelligence.	Bulletin of KazATK - 2023 No. 125(2) - P.223–232. https://doi.org/10.52167/1609-1817-2023-125-2-223- 232 ISSN 1609-1817, ISSN Online 2790-5802
8	Seitkulov, E., Tashatov, N., Ergalieva, B., Tasmagambetov, O., Ospanov, R.	Critical analysis of technological solutions in the field of cybersecurity of cellular networks.	KazATK Bulletin2023 No. 124(1)WITH. 222– 229. https://doi.org/10.52167/1609-1817-2023-124- 1-222-229 ISSN 1609-1817, ISSN Online 2790-5802
9	Atanov, S., Seitkulov, Y. , Balbayev, G., Zhuzbayev, S., Tulesheva, G.	Mathematical models of security attacks on mobile cellular systems	KazATK Bulletin 2023 No. 124(1) pp. 213–221. https://doi.org/10.52167/1609-1817-2023-124-1-213- 221 ISSN 1609-1817, ISSN Online 2790-5802

10	A. Shekerbek, G. Abdikerimova, Zh. Lamasheva, M. Baibulova, A. Tokkuliyeva	Classification of x-ray images using the deep learning algorithm	News of the national academy of sciences, of the republic of kazakhstan physico-mathematical series ISSN 1991-346X Volume 1, Number 345 (2023), 204-227 https://doi.org/10.32014/2022.2518-1726.178
11	Nurusheva A.M., Amrenov A.K.	Use and analysis of next generation firewall to achieve security of information and communication infrastructure	BULLETIN of the National Engineering Academy of the Republic of Kazakhstan, No. 1, 2023, 77-84, ISSN 2709–4693
12	Nurusheva, A, Safin, R., Amrenov, A., & Satybaldina, D.	Proposing a strategy for a new reality: zero trust methodology.	Vestnik KazATK, 2023, 127(4), 140–147. https://doi. org/10.52167/1609-1817-2023-127-4-140-147
13	Tazabekova, P. K., Nurbekova, Zh. K., Aimicheva, G. I. , Naimanova, D. S.	A systematic review of research on the use of augmented reality technology in education.	Bulletin "Physical and Mathematical Sciences". – 2023. – T. 83. – No. 3.
14	A. E. Erulanova, S. S. Rustamov, I. M. Uvaliyeva, A. K. Shaikhanova , S. A. Belginova	Mathematical support for dosing systems of dry bulk materials of medicines used in clinical and hematological syndromes	BULLETIN of the National Engineering Academy of the Republic of Kazakhstan, No. 4(90), 2023, ISSN 2709–4693
15	Amrenov A.K., Nurusheva A.M.	Survey and Analysis of computer emergency response team services.	Bulletin of the National Engineering Academy of the Republic of Kazakhstan, No. 2, 2023, p. 28-37, ISSN 2709-4707 (Online), ISSN 2709-4693 (Print)
16	NN Tashatov, ME Ashimova, GB Issayeva	Research and development methods of a software system for the integrated analysis of meteorological data	Vestnik KazATK - 2023 No. 3 (126), pp. 292-305. ISSN No. 1609-1817 (Print), ISSN No. 2790-5802 (Online)
17	G.B. Shakhmetova, Sharipbay A.A., Saukhanova Zh.S., Barlybayev A. B.	Study of finite automates used in cryptography	Herald VKTU -2023- No. 4, pp. 427-435 ISSN: 1561-4212, E-ISSN: 2789-8210 (Online)

18	Satybaldina, D., Seilov, Sh., Nurzhaubaev, A., Abildinov, D.	Research into automation of long-term storage processes of vegetables and fruits based on the use of artificial olfactory systems.	KazATK Bulletin, (2023). <i>128</i> (5), 176–188. https://doi.org/10.52167/1609-1817-2023-128-5-176-18 ISSN No. 1609-1817 (Print), ISSN No. 2790-5802 (Online)
19	Shaikhanova A.K. , Tleubaeva A.O., Ospan B.B., Maukenov B.B.	Certificate of entry of information into the state register of rights to objects protected by copyright No. 37644 dated June 30, 2023. Type of copyright object: computer program. Name of the object - Real-time image recognition system for ensuring the safety of buildings and zones "UmAI" Date of creation of the object: 06/27/2023	
20	<u>Shaikhanova</u> A.K. , Poz I.V.	Certificate of entry of information into the state register of rights to objects protected by copyright No. 37617 dated June 29, 2023. Type of copyright object: computer program. Name of the object - Hardware and software complex for conducting a remote medical examination of a patient "Diagnostics at home" Date of creation of the object: 06/27/2023	
21	<u>Nurusheva A.M.</u> , Sh əripbai <u>A.Ə., Omarbekova A.S.</u>	Certificate of entry of information into the state register of rights to objects protected by copyright No. 40293 dated November 8, 2023. Type of copyright object: computer program. Name of the object - Electronic textbook "Basic regulatory and legal aspects of information security." Object creation date : 11/7/2023	
22	Saukhanova Zh.S. , Shakhmetova G.B.	Type of copyright object : E EM-ge arnalgan bagdarlama Object name: Construction of inverse finite automata for primitives of the Finite Automata Model with Information Preservation (CAMSI) No. 37555 dated June 27, 2023	

23	Satybaldina D. Zh. , Sydykov D. M., Isaynova A. N.	Certificate of entry of information into the state register of rights to objects protected by copyright No. 37464 dated June 23, 2023. Type of copyright object: computer program. Object name: Neural network gas classifier for gas analytical multisensor system . Date of object creation: 06/09/2023	
24	Moldamurat H., Seitkulov E. N., Atanov S. K., Ergalieva B.B., Kyzyrkanov A.E.	Certificate of entry of information into the state register of rights to objects protected by copyright No. 34263 dated April 4, 2023. Type of copyright object: computer program. Object name: Seykestendiru zhane authenticationlaudisterin yyaly baylanys zhelilerinde authorizationlaudy modeldeu. Object creation date: 03/17/2023	
25	Mukatov A. T., Kalymova K. A., Glazyrina N. S., Satybaldina D. Zh.	Certificate of entry of information into the state register of rights to objects protected by copyright No. 40996 dated December 5, 2023. Type of copyright object: computer program. Object name: Application for implementing a human-machine interface based on gesture recognition. Object creation date: 11/15/2023	
Total	: <mark>25</mark>	<u> </u>	<u> </u>

c) in journals of the Republic of Kazakhstan not included in the list of the Committee for Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN			
р/р						
Depar	tment of Information Security					
1.	AK Shaikhanova, DS	A Deep Dive into Cobalt Strike Tool	Shakarim University Bulletin. Series Technical Sciences,			
	Kadyrov		No. 4(12) 2023 ISSN 2788-7995			
Total:-	Total:-1					

2.7. Scientific publications in collections of conferences held in the Republic of Kazakhstan:

No	. FULL NAME. author(s)	Publication title	Title of the collection, year, page.			
Dep	Department					
1	Tyulebaeva Umitey Ruslanovna. Isaynova Aliya Nasipovna	Researching information security threats in credit institutions using Miter Attack	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023, pp . 776-780			
2	Dina Satybaldina.	Design and Implementation of an Electronic Voting System Using the IBM Blockchain Platform	International Conference on Electrical Facilities and informational technologies 2023 (ICEIC 2023) Proceedings, Almaty, Kazakhstan, August 22nd to 25th, 2023, p.164			
3	Olzhas Alseitov, Aliya Issainova, Dina Satybaldina, Assem Konyrkhanova	Detection and Classification of the Volatile Organic Compounds from the Petroleum and Petroleum-Derived Products Using an Electronic Nose and Machine Learning Algorithms	International Conference on Electrical Facilities and informational technologies 2023 (ICEIC 2023) Proceedings, Almaty, Kazakhstan, August 22nd to 25th, 2023, p. 218-223			
4	Zharkimbekova Aizhan Temirzhanovna, Turmaganbetova Shynar Kurmangalievna	Cyber au ipsizdikte zasandy intellekti koldana mukindikteri	International scientific and practical conference "Integration of science, education and production - the basis for the implementation of the Nation's Plan" (Saginov Readings No. 15), Part 2, Karaganda, June 16-17, 2023, pp. 213-215			
5	Tashatov NN, Bakhytov BA	Application of Nir Soft Utilities in Computer Forensics for Analysis and Recovery of Digital Evidence	International scientific and practical conference, October 26- 27, 2023, Almaty			
6 Tot	Adlet Smailov, Saukhanova Zhanat	Analysis of client-side and server-side attacks in the context of web applications	International Conference on Electrical Facilities and informational technologies 2023 (ICEIC 2023) Proceedings, Almaty, Kazakhstan, August 22nd to 25th, 2023, p. 150-153			
Tote	al: 6					

2.8. Scientific publications in scientific conferences, symposiums, seminars abroad:

No.	FULL NAME. author(s)	Publication title	Title of the collection, year, page.	A country
Dep	artment of Information Security			
	Tussipkhanov, A. Shegetaeva	Visual Studio Projects (Solutions) and C/C++	Proc. 14th National Conference with International Participation "Electronica 2023", June 1 - 2, 2023, Sofia, Bulgaria (accepted)	
2	Serikkazin A.E., Nurusheva A.M.		Scientific forum: Technical and physical and mathematical sciences: collection. Art. based on	

		resilience of organizations	materials of the LXIII international. scientific - practical conf. — No. 4(63) M., Ed. "MCNO", 2023.	
		encryption algorithms based on chaotic sequences	XIII Międzynarodowa Konferencja Studentów oraz Doktorantów "Inżynier XXI wieku" (The 13th International Conference of Students and Doctoral Students "Engineer of the 21st Century"), 02.12.2023. Rr. 189-198. DOI: https://doi.org/10.53052/9788367652124.1	Poland
	A. Yessenbayeva, A. Shaikhanova, V. Martsenyuk	encryption based on chaotic sequences	XIII Międzynarodowa Konferencja Studentów oraz Doktorantów "Inżynier XXI wieku" (The 13th International Conference of Students and Doctoral Students "Engineer of the 21st Century"), 02.12.2023. Rr. 207-215. DOI: https://doi.org/10.53052/9788367652124.20	Poland
	Zh.T. Nyssanbayeva, DK Tokseit	and response	INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE "DIGITIZATION AND ARTIFICIAL INTELLIGENCE" dedicated to the "Twentieth anniversary of the study and development of natural, exact and mathematical sciences in the field of science and education (2020-2040)" November 20-21, 2023, pp.241-245	Tajikistan
6	DK Tokseit, AK Nurlybay		INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE "DIGITIZATION AND ARTIFICIAL INTELLIGENCE" dedicated to the "Twentieth anniversary of the study and development of natural, exact and mathematical sciences in the field of science and education (2020-2040)" November 20-21, 2023, pp.293-297	Tajikistan
7	Tazhikenova N. , Tokseit D.	Types of phishing attacks and protection methods	LXIX int. scientific - practical conf. No. 11(60). – Novosibirsk: SibAK, 2023. – P. 15-22.	RF

8	Askarbekkyzy A kbota,	Issues of technical and physical and	Materials of the LXIX International Scientific	RF
	Tashatov N.N.mathematical sciences in the light of mod		and Practical Conference, No. 11 (60),	
		research:	November 2023, Novosibirsk, p. 6-14	
9	Zhuldyz Sailau Kyzy, Dina	Design of Majority Decoded Codes and	7th ^{International} Symposium on Innovative	Türkiye
	Satybaldina, Gulmira	Decoding Algorithm Based on Error	Approaches in Smart Technologies, 23-25	
	Danenova, Makhabat Kokkoz,	Propagation Analysis	November 2023, Istanbul, Turkiye, s.	
	Nurlan Tashatov			
10	Altynbek Sharipbay, Zhanat	Development of reliable and effective methods	7th International ^{Conference} on	Türkiye
	Saukhanova , Gulmira	of cryptography	Technology, Engineering and Science	
	Shakhmetova , Alibek	protection of information based on the finite	(IConTES), November 16-19, 2023. Antalya,	
	Barlybayev	automata theory	Turkey	
Tota	l: 10			

2.9 Number of published monographs in the Republic of Kazakhstan (if any, indicate the stamp of the Ministry of Education and Science of the Republic of Kazakhstan) (attach a copy of the title page; a copy of the page with the publication's imprint, including UDC, ISBN / ISSN)

No.	FULL NAME. author(s)	Publication title	Name of publication (indicating the city),	The presence of a	
			number of pages .	neck is indicated	
				MES RK or ISBN	
In E	nglish. language				
1					
Tota	Total: not available				

2.10 Organization and conduct of scientific events at the faculty/department :

N o.	Full name	Subject	Date and time (online)	Supervisor
1	Aidynov T.A., 2nd year doctoral student	Research of methods and algorithms for organizing electronic voting based on cryptographic protocols and blockchain technology	02/07/2023 17:00	Scientific supervisor: Satybaldina D.Zh., PhD, professor
2	Amrenov A.K., 3rd year doctoral student	Development of a methodology and model for building processes for an information security incident response service	02/07/2023 18h.	Scientific supervisor: Nurusheva A.M., PhD, acting ass . n professor

3	Kasenova M.N., 2nd year doctoral student	Development and research of intelligent methods for detecting network attacks	07/14/2023 17:00	Scientific supervisor: Satybaldina D.Zh., PhD, professor	
4	Mubarakov I.R., 2nd year doctoral student	Assessment of the maturity level of information security processes based on multi-criteria approaches	07/14/2023 18:00	Scientific supervisor: Nurusheva A.M., PhD, acting ass.p professor _	
5	Abdiraman A. S., 3rd year doctoral student	Methods for assessing the level of information security of information and communication infrastructure objects	02/21/2023 17:00	Scientific supervisor: Nurusheva A.M., PhD, acting ass.p professor _	
6	Baysultan A.B., 2nd year doctoral student	Methods and algorithms for identifying cyber attacks using multi- version machine learning systems	02/21/2023 18:00	Scientific supervisor: Akhmetova Zh.Zh., PhD, acting ass.p professor _	
7	Ergalieva B.B., 2nd year doctoral student	Methods and algorithms for secure cloud processing and data storage	02/28/2023 17:00	Scientific supervisor: Satybaldina D.Zh., PhD, professor	
8	Makatov E.K., 2nd year doctoral student	Research and development of a model and algorithm for the security of social networks based on cognitive technologies	02/28/2023 18:00	Scientific supervisor: Akhmetova Zh.Zh., PhD, acting ass.p professor _	
9	Amrenov A.K., 3rd year doctoral student	Development of a methodology and model for building processes for an information security incident response service	03/07/2023 17:00	Scientific supervisor: Nurusheva A.M., PhD, acting ass.p professor _	
10	Ulyukova G.B., 2nd year doctoral student	Methods and algorithms for heuristic static analysis of source code for recognizing malicious software	03/07/2023 18:00	Scientific supervisor: Shaikhanova A.K., PhD, professor	
11	Akhmetov M.K., 2nd year doctoral student	Methods and algorithms for managing information security incidents	03/14/2023 17:00	Scientific supervisor: Tashatov N.A., Ph.D., Associate Professor	
12	Oshakbay D.M., 2nd year doctoral student	Probabilistic models for designing critical systems resistant to cyber attacks	03/14/202 18:00	Scientific supervisor: Akhmetova Zh.Zh., PhD, acting ass.p professor _	
13	Amrenov A.K., 3rd year doctoral student	Development of a methodology and model for building processes for an information security incident response service	March 28, 2023 17:00	Scientific supervisor: Nurusheva A.M.,	

				PhD, acting ass.p professor _
14	Abdiraman A. S., 3rd year doctoral student	Methods for assessing the level of information security of information and communication infrastructure objects	March 28, 2023 18:00	Scientific supervisor: Nurusheva A.M., PhD, acting ass.p professor _
15	Tasmagambetov O.K., 2nd year doctoral student	Methods and principles of building a center for ensuring information security of government agencies	04/04/2023 17:00	Scientific supervisor: Seitkulov E.N., Ph.D. Professor
16	Ergalieva B.B., 2nd year doctoral student	Methods and algorithms for secure cloud processing and data storage	04/04/2023 18:00	Scientific supervisor: Satybaldina D.Zh., PhD, professor
17	Makatov E.K., 2nd year doctoral student	Research and development of a model and algorithm for the security of social networks based on cognitive technologies	04/11/2023 17:00	Scientific supervisor: Akhmetova Zh.Zh., PhD, acting ass.p professor _
18	Mubarakov I.R., 2nd year doctoral student	Assessment of the maturity level of information security processes based on multi-criteria approaches	04/11/2023 18:00	2nd year doctoral student Scientific supervisor: Nurusheva A.M., PhD, acting ass.p professor _
19	Ulyukova G.B., 2nd year doctoral student	Methods and algorithms for heuristic static analysis of source code for recognizing malicious software	04/18/2023 17:00	Scientific supervisor: Shaikhanova A.K., PhD, professor
20	Baysultan A.B., 2nd year doctoral student	Methods and algorithms for identifying cyber attacks using multi- version machine learning systems	04/18/2023 18:00	Scientific supervisor: Akhmetova Zh.Zh., PhD, acting ass.p professor _
21	Oshakbay D.M., 2nd year doctoral student	Probabilistic models for designing critical systems resistant to cyber attacks	04/25/2023 17:00	Scientific supervisor: Akhmetova Zh.Zh., PhD, acting ass.p professor _
22	Aidynov T.A., 2nd year doctoral student	Research of methods and algorithms for organizing electronic voting based on cryptographic protocols and blockchain technology	04/25/2023 18:00	Scientific supervisor: Satybaldina D.Zh., PhD, professor
23	Amrenov A.K., 3rd year doctoral student	Development of a methodology and model for building processes for an information security incident response service	05/02/2023 17:00	Scientific supervisor: Nurusheva A.M., PhD, acting ass.p professor _

24	Abdiraman A. S., 3rd year doctoral student	Methods for assessing the level of information security of information and communication infrastructure objects	05/02/2023 18:00	Scientific supervisor: Nurusheva A.M., PhD, acting ass.p professor _
2:	Kasenova M.N., 2nd year doctoral student	Development and research of intelligent methods for detecting network attacks	05/16/2023, 17:00	Scientific supervisor: Satybaldina D.Zh., PhD, professor
2	Akhmetov M.K., 2nd year doctoral student	Methods and algorithms for managing information security incidents	05/16/2023 18:00	Scientific supervisor: Tashatov N.A., Ph.D., Associate Professor

No.	Full name	Subject	Date and time (online)	Supervisor
		November		
1 Week	Amanzholov Olzhas Maratuly	DDoS-shabuyldaryn aniktau adisteri men kuraldaryn zertteu	04.11.2022	Tashenova Zhuldyz
	(2nd year master's student , Kazakh)		11.00	Musagulovna, PhD, acting cent .
	Armanova-Bekmuratova Asyltas	AWS Public Cloud Security Monitoring	online	Shaikhanova Aigul Kayrulaevna,
	Armankyzy		(https://clck.ru/ZAsbt)	PhD, professor
	(2nd year master's student, Russian)			
	Askarbekkyzy A kbota	Methodology of risk assessment and modern methods of risk		Tashatov Nurlan Narkenovich,
	(2nd year master's student, English)	management in large organizations		Ph.D., Acting associate professor
	Asanov Adilbek Zhanbolatuly (2nd	Study of the steganographic method of		Akhmetova Zhanar Zhumanovna,
	year master's student, Russian)	information security algorithm		PhD, acting ass . n professor
	Barat Dana Dauletbekkyzy	Zhelik infrakrylym k au ipsizdigin onailandir ushin SASE		Akhmetova Zhanar Zhumanovna,
	(2nd year master's student, Kazakh)	model zertteu		PhD, acting ass . n professor
	Bakhytov Bigasyr Armanovich (2nd	Forensic analysis of hard drives		Tashatov Nurlan Narkenovich,
	year master's student, Russian)			Ph.D., Acting associate professor
	B Ulanov Kaldyzhan Bauyrzhanuly Computer lik kylmystardy tergeuge arnalgan Open Source			Ospanova Ademi Bekzhanovna
	(2nd year master's student, Kazakh)	kuraldar		Ph.D., Acting associate professor
2 week	Yesenbaev Bekzhan Suleymanuly	Mail server osaldyktaryn anyktau tasilderi	11/11/2022	Sagindykov K akim
	(2nd year master's student, Kazakh)		11.00	Moldabekovich, Ph.D., Associate
			online	Professor
	Bekkalieva Kanziya Sagatovna (2nd	Study of reliability problems in networks and information	(https://clck.ru/ZAsbt)	Shaikhanova Aigul Kayrulaevna,
	year master's student, Russian)	protection		PhD, professor
	Abdraman T olebi Bolatuly (2nd year	Zhelik shabuyldardan derekterdin ka au ipsizdigin kamtamasyz		Akhmetova Zhanar Zhumanovna,
	master's student , Kazakh)	edudin keshendi tasili		PhD, acting ass . n professor
	Bekmuratov Daniyar Amzeuly (2nd	Cyber threat intelligence		Shaikhanova Aigul Kayrulaevna,
	year master's student, Russian)			PhD, professor

	Zhaksybekov Ilyas	Memlekettik zhane memlekettik emes derekkorlardy cipherlau		Ospanova Ademi Bekzhanovna
	(2nd year master's student, Kazakh)	ushin қазіргіжағАІDa Қ Р СТ 1073-2007 "Cryptographic		Ph.D., Acting associate professor
		devices for cryptography" standard standards		
	Enbek Bereke Alimuly (2nd year	Proactive search for threats in the corporate network		Shaikhanova Aigul Kayrulaevna,
	master's student, Russian)			PhD, professor
	Zhanatov Temirlan Aslanuly (2nd	Python programs		Sagindykov K akim
	year master's student , Kazakh)			Moldabekovich, Ph.D., Associate
				Professor
	Ermekov Erasyl Ermekuly (2nd year	Research of fraud management system in financial		Tashatov Nurlan Narkenovich,
	master's student, English)	organizations		Ph.D., Acting associate professor
3 week	Zhandarbekkyzy Marzhan (2nd year	asiporyndagy derbes derekterdi Korgau zhuyesin zertteu	11/18/2022	Tashenova Zhuldyz
	master's student, Kazakh)		11.00	Musagulovna, PhD, acting
			online	associate professor
	Kenesbek Zhasulan Ruslanuly (2nd	Research of the information security operations center at	(https://clck.ru/ZAsbt)	Tashatov Nurlan Narkenovich,
	year master's student , English)	QazCloud LLP		Ph.D., Acting associate professor
	Zhumabay Abat Zhomartuly (2nd	Web-resource paidalanushylardy authenticationlau ayasynda		Tashatov Nurlan Narkenovich,
	year master's student , Kazakh)	akparattyk kauipsizdikti kamtamasyz etu adistemesin azirleu		Ph.D., Acting associate professor
	Zhumashev Sanzhar Maratkaliuly	Research on methods for assessing the security of operating		Saukhanova Zhanat Sergazievna,
	(2nd year master's student, Russian)	systems and eliminating vulnerabilities		Ph.D., Associate Professor
	Zhurtbaev Nurbolat Kuntureuly (2nd	LTE standard mobile phones		Konyrkhanova Asem
	year master's student , Kazakhstan)			Adilbekkyzy, PhD, Acting
				Associate Professor
	Kadyrov Damir Serikovich (2nd year	Development of a prototype framework for command and		Shaikhanova Aigul Kayrulaevna,
	master's student, English)	control in Go		PhD, professor
	Isabaev A l ibek Zhanakhmetuly (2nd	Kazakhstan Republic son bankik salasynda akparattyk		Tashatov Nurlan Narkenovich,
	year master's student , Kazakh)	kauipsiizdiktin shabuyldaryn anaktau zhane eskertu zhuyesin		Ph.D., Acting associate professor
		azizirleu zhane zertteu		
4 week	Islyambekova Laura Baurzhankyzy	Úkarattyk kaúïpsizdík incidentterin sáykestendírudí zhaksartu	11/25/2022	Tashenova Zhuldyz
	(2nd year master's student, Kazakh)	záne olar ga zhauáp árádístemesi	11.00	Musagulovna, PhD, acting
			online	associate professor
	Kozhanazarov Zamir Alievich (2nd	Modeling an information security attacker and approaches to	(https://clck.ru/ZAsbt)	Shaikhanova Aigul Kayrulaevna,
	year master's student , English)	countering their threats. Management of risks		PhD, professor
	Kabdesheva Madina Mukhtarovna	Ørtúrli erekshelikterdeg kassiporyndarda y akaparattyk		Ospanova Ademi Bekzhanovna
	(2nd year master's student, Kazakh)	kauipsiszdik auditinin adisteri		Ph.D., Acting associate professor

	Kudaibergenov Bibars Yerikuly (2nd	Study of processes for ensuring information security and		Seilov Shakhraman
	year master's student, Russian)	quality of functioning of the subsystem "IT Service		Zhursinbekovich, Ph.D.,
		Management" of the user support system in RB Partners IT- Audit LLP		professor
	Karimova Danagul Bauyrzhanovna	Programming qamtamanyn osaldygyn taldau kuraldaryn		Saukhanova Zhanat Sergazievna,
	(2nd year master's student, Kazakh)	zertteu		Ph.D., Associate Professor
	Muratbaev Zhanasyl Erlanovich (2nd	Study of existing algorithms for assessing the effectiveness of		Tashatov Nurlan Narkenovich,
	year master's student , Russian)	information security systems in LTE networks		Ph.D., Acting associate professor
	Nurlybay Asel K anat kyzy (2nd year	Researching incident prevention in an enterprise		Tokseit Dinara Kuandykkyzy,
	master's student , English)			PhD, Art. teacher
		December		
1 Week	Konusova Perizat	B ulttyk qizmetterdin cyberkauipsizdik shabuyldary men	02.12.2022	Akhmetova Zhanar Zhumanovna,
		kauipterin zertteu	11.00	PhD, acting ass . n professor
	(2nd year master's student, Kazakh)		online	
	Nysanbaeva Zhanerke Turmanovna	Investigation of creating a platform for information security	(https://clck.ru/ZAsbt)	Tokseit Dinara Kuandykkyzy,
	(2nd year master's student, English)	operations center		PhD, Art. teacher
	Kairat Dinara Kairatkyzy (2nd year	Equipment for telecommunications and equipment for the		Abduraimova Bayan
	master's student, Kazakh)	tector and system		Kuandykovna, Ph.D., acting
	master s student, Kazakii)	teetor and system		associate professor
	Sabiev Olzhas Nurlanuly (2nd year	Application of Blockchain technology in the development of		Satybaldina Dina Zhagiparovna
	master's student, Russian)	secure information systems		Ph.D., professor
	Kaldanova Gulden Sauletkyzy (2nd	Apparatus of zhasyrudyn steganography қ sheshimin zertteu		Shaikhanova Aigul Kayrulaevna,
	year master's student , Kazakh)	zhane zhetildiru		PhD, professor
	Sagindykov Kanat Tlembekovich	Research and development of hardware simulator for		Shaikhanova Aigul Kayrulaevna,
	(2nd year master's student, Russian)	penetration testing (Pentesting)		PhD, professor
	Kaldybay Anat Muratbekuly (2nd	Numbers kurylgylardy criminalistics saraptamalauda		Sagindykov Akim
	year master's student , Kazakh)	qoldanylatyn kuraldardy zertteu		Moldabekovich, Ph.D., Associate
				Professor
2 week	Kambar Nurtileu Seytkazyuly (2nd	Computer hardware virus	09.12.2022	Abduraimova Bayan
	year master's student , Kazakhstan)		11.00	Kuandykovna, Ph.D.,
			online	and about. associate professor
	Smailov Adlet Zeinollaevich (2nd	Research of client-side and server-side attacks in the context of	(https://clck.ru/ZAsbt)	Saukhanova Zhanat Sergazievna,
	year master's student , Russian)	a web application		Ph.D., Associate Professor
	Mugaz Kainur Kayrbekuly (2nd year	Take - Grant Models of non-computers and computers		Sagindykov Akim
	master's student , Kazakh)			Moldabekovich, Ph.D., Associate
				Professor

	Sultanov Ramazan Ruslanuly (2nd year master's student, Russian)	Research on the use of Linux OS capabilities in forensics		Saukhanova Zhanat Sergazievna, Ph.D., Associate Professor
	Myrzabekov Temirlan Bekenuly (2nd year master's student , Kazakh)	Oracle directory basis		Sagindykov Akim Moldabekovich, Ph.D., Associate Professor
	Temirbaev Murat Dilbarkhanovich (2nd year master's student, Russian)	Study of processes for ensuring information security and quality of functioning of the 1C accounting information system in Kaz IT LLP		Seilov Shakhmaran Zhursinbekovich, Ph.D., professor
	Nabatov Nurlan Raimuly (2nd year master's student , Kazakh)	Internet zatarynyn "kyzmet korsetuden bas tartu" taratylgan zhelilik shabuyldardan qorgau adisteri men algorithmderin zertteu		Konyrkhanova Asem Adilbekkyzy, PhD , Acting Associate Professor
3 week	Nur Gali Ainur Kenzhebekkyzy (2nd year master's student , Kazakh)	Zheke derekterdi ašyk sýmsyz kíru núkteleri (Wi-fi) arkyly zhiber kezinde korgauda zertteu	<mark>1 December 6</mark> , 2022 11.00 online	Akhmetova Zhanar Zhumanovna, PhD, acting ass . n professor
	Temirzhanuly Temirlan (2nd year master's student, Russian)	Research on methods for detecting traces of malicious code in memory dumps	(https://clck.ru/ZAsbt)	Saukhanova Zhanat Sergazievna, Ph.D., Associate Professor
	Orazimbetova Aidana Zhandoskyzy (2nd year master's student, Kazakh)	Beyne akparattyn kauipsizdigin qamtamasyz this ušin tytastykta buz kaupinen mathematicalyk model de karastir		Tashatov Nurlan Narkenovich, Ph.D., Acting associate professor
	Abdulhay Nazerke Khamzakyzy (2nd year master's student , Kazakh)	The computer is responsible for the discretionary model of the algorithm based on the model.		Sagindykov K akim Moldabekovich, Ph.D., Associate Professor
	Omirzak Dinmuhamed Sabyruly (2nd year master's student , English)	Leak detection in an organization's information system		Abduraimova Bayan Kuandykovna, Ph.D., and about. associate professor
	Abdilmanov Nursultan (2nd year master's student, Russian)	Research on the use of finite state machines in cryptography		Saukhanova Zhanat Sergazievna, Ph.D., Associate Professor
	Rahmatulla Orken Mustafauly (2nd year master's student , English)	Automation of railway enterprises		Muratbekov Madi Musakhanovich, Ph.D., Associate Professor
4 week	Sanatkhan Olzhas (2nd year master's student , Kazakh)	Aynalymdary akparatty taldau negizinde yyimnyn derekterin korgaudy baskar adisteri	12/23/2022 11.00 online	Abduraimova Bayan Kuandykovna, Ph.D., and about. associate professor
	Abdikhaniev Imangali Amanzholovich (2nd year master's student , Russian)	Study of the Threat Hunting Process for Rapid Response to Cybersecurity Incidents	(https://clck.ru/ZAsbt)	Akhmetova Zhanar Zhumanovna, PhD, acting ass . n professor

	Saparkul Bekdana	Mobiles paidalanushylardyn vpn sessiontarynyn agyp ketuinen		Tashenova Zhuldyz
	Mukhamedzhankyzy (2nd year	qorgau kuraldaryn zertteu zhane azirleu		Musagulovna, PhD, acting
	master's student, Kazakh)			associate professor
	Abdurakhman D Aulet Bekmurzauly	Web portal arkyly orta mektepterdegi cyberbullying boyinsha		Sharipbay Altynbek Amiruly,
	(2nd year master's student, Kazakh)	bilimder basesyn baskaru zhane suyemeldeu		Doctor of Technical Sciences,
				Professor
	Sarsembayev Nurbol Zhalgasovich	Zheke mekemenin akparattyk kauipsizdigin qamtamasyz		Sagindykov Akim
	(2nd year master's student, Kazakh)	estudi akparattyk kauipsizdik sasatyn ¥yimdastyru		Moldabekovich, Ph.D., Associate
				Professor
	Abdreev Amir Armanovich (2nd year	Research on penetration testing methods for containers and		Tokseit Dinara Kuandykkyzy,
	master's student, Russian)	containerization environments		PhD, Art. teacher
	Slyamkhanova A kerke Ruslankyzy	Computer		Sagindykov Akim
	(2nd year master's student, Kazakh)			Moldabekovich, Ph.D., Associate
				Professor
5 week	Talgat Aydin Erdenuly (2nd year	Automation of business processes in an enterprise	December 30, 2022	Tashatov Nurlan Narkenovich,
	master's student, English)		11.00	Ph.D., Acting associate professor
	Absamatov Aral Umirzakuly (2nd	Cyberbullying knowledge base	online	Sharipbay Altynbek Amiruly,
	year master's student , English)		(https://clck.ru/ZAsbt)	Doctor of Technical Sciences,
				Professor
	Tazhikenova Nurzhanar Kabykenkyzy	Research on the implementation of phishing attacks and		Tokseit Dinara Kuandykkyzy,
	(2nd year master's student, English)	methods of protection against them		PhD, Art. teacher
	Shashubay Ulan Asylbekuly (2nd year	Windows and Unix files can be downloaded		Ospanova Ademi Bekzhanovna
	master's student, Kazakh)			Ph.D., Acting associate professor
	Turmetov Adilet Ismailovich (2nd	Kasiporynda akapparattyk qauipsizdikti qamtamasyz etudín		Abduraimova Bayan
	year master's student , Kazakh)	kashendi zhuyesin yimmdistir		Kuandykovna, t.g. To.
	Aitbek Damir Lesbekuly, 2nd year	Aleumettik jellyarde paidalanushylardyn kupijalylygyyn		Konyrkhanova Asem
	master's student, Kazakh)	baskar adisterin zertteu		Adilbekkyzy, PhD, Acting
				Associate Professor
	Hamza Bakseyit Sakenuly (2nd year	Computer zhelilerdegi osaldyktar men shabuyldardy baskar		Ospanova Ademi Bekzhanovna
	master's student, Kazakh)	arkyly anyktau zane əreket etu		Ph.D., Acting associate professor

No.	Full name of PhD doctoral student	Seminar date and time	Full name of the domestic leader
1.	Ospanov Ruslan Maratovich	05.10.2023, 18h.	Satybaldina D.Zh., professor, PhD ; Seitkulov E.N., professor , Ph.D.
2.	Syzdykbaev Kuanysh Serikuly	05.10.2023, 19h.	Shaikhanova A.K., professor, PhD
3.	Aydynov T olegen Aydin uly	10/12/2023, 6 p.m.	Satybaldina D.Zh., professor, PhD

4.	Bakyt Mahabbat Askhatkyzy	10/12/2023, 1 9 hours.	Konyrkhanova A.A., acting associate professor, PhD; Moldamurat Khuralai, Ph.D., Associate Professor	
5.	Kusainov Alnur Ramashevich	10/19/2023, 6 p.m.	Nurusheva A.M., acting associate professor, PhD	
6.	Sa gadat Nurmuhammed Berikuly	10.19.2023, 19h.	Tashatov N.A., Associate Professor, Ph.D.	
7.	7. Musa Askhar Shukiruly October 26, 2023, 6 p.m. Satybaldina D.Zh., professor, PhD			
8.	8. Ergalieva Banu Bakhytzhanovna October 26, 2023, 6 p.m. Satybaldina D.Zh., professor, PhD			
9.	Akhmetova Zh.Zh., acting associate professor, PhD			
10.				
11.	11. Ulyukova Gulden Bektemirovna 0 9.11.2023 , 1 8 hours. Shaikhanova A.K., professor, PhD			
12. Akhmetov Murat Kuanyshovich 09.11.2023, 19h. Tashatov N.A., Associate Professor, Ph.D.		Tashatov N.A., Associate Professor, Ph.D.		
13.	Oshaqbay Dana Maksatkyzy	November 16, 2023, 6	Akhmetova Zh.Zh., acting associate professor, PhD	
		p.m.		
14.	Nurzhanov Aslan Begaydaruly	November 16, 2023, 7	Sharipbay A.A., Doctor of Technical Sciences, Professor	
		p.m.		
15.	Yesenbaeva Arailym Lemisovna	November 23, 2023, 6	Shaikhanova A.K., professor, PhD	
		p.m.		
16.	Tleuberdin Saken Tokatovich	November 23, 2023, 7	Seitkulov E.N., professor, Ph.D.	
		p.m.		
17.	Azimkhan Amir Auezkhanuly	30, 2023, 1 8 hours	Satybaldina D.Zh., professor, PhD	
18.	Kasenova Mereilim Nurlanovna	30.11.2023, 1 9 hours	Satybaldina D.Zh., professor, PhD	
19.	Baysultan Almas Bulatuly	07.1 2.2023, 1 8 hours.	Akhmetova Zh.Zh., acting associate professor, PhD	
20.	Nurzhaubaev Akniet Alibievich	07.12.2023, 1 9 hours.	Seilov Sh.Zh., Ph.D., professor	

2.10.1 International conferences

No.	Name	the date of the	Number of participants/incl. foreign
1	Not available	-	-
Tota	ıl: -		

2.10.2 Republican conferences

No.	Name	the date of the	Number of participants/incl. foreign
1	Not available	-	-
Total:	-		

2.10.3 International scientific forums, symposiums, seminars

2.10.4 Summer (winter, spring) schools

No.	Name	the date of the	Number of participants/incl. foreign
1	Not available	-	-
Total:-			

2.10.5 Scientific round tables

No.	Name	the date of the	Number of participants/incl. foreign
1	Not available	-	-
Total: -			

2.11 Participation in the work of the editorial board of journals included in the Web of Science and Scopus databases

No.	Full name, academician degree, position	Magazine name	Period
1	Not available	-	-
Total	: -		

2.12 Participation in the work of the editorial board of journals not included in the ThomsonReuters, Scopus databases

No	Full name , academic degree, position	Magazine name	Period
р /р			

1	Satybaldina D.Zh., Ph.D., PhD, associate professor (associate professor), head of department	Scientific-analytical journal "Bulletin of St. Petersburg University of the State Fire Service of the Ministry of Emergency Situations of Russia", impact factor $RSCI = 0.197$	2022
2	Seilov Sh.Zh., Ph.D., Doctor of Economics, Professor	INFORMATION TELECOMMUNICATIONS NETWORKS, OWNER OF BROADCAST AND TELECOMMUNICATIONS CONSULT LLP	Published since December 2000. Published 6 times a year, 2022.
3	Akhmetova Zh.Zh. PhD, acting cent .	INFORMATION TELECOMMUNICATIONS NETWORKS, OWNER OF BROADCAST AND TELECOMMUNICATIONS CONSULT LLP	Published since December 2000. Published 6 times a year, 2022.
4	Nurusheva A.M. PhD, acting cent .	Scientific Journal of Astana IT University, Establishers: LLP "Astana IT University"	Published since 2020. Published 4 times a year, 2022.
Tota	<i>l: 4</i>		

1. STUDENTS' RESEARCH

3.4 Number of scientific publications of students in collections of conferences held in the Republic of Kazakhstan

No.	FULL NAME. author(s)	Publication title	Title of the collection, year, page.				
	Department						
1.	Abaeva Aruzhan Ruslankyzy	Bulty onimdermen zhumys isteu kezindegi ¥ yimdards n akaparattyk zhuyelerinin kauipsizdigin bagalau	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023				
2	Duysenova Raushangul Nurbolatkyzy	Smart house where you need it and how to use it	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023				
3	Erzhanova Erke Erzhankyzy	Web accounts authorization	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12,				

			2023
4	Yesenpulov Aibek Bekzatuly	WebSocket protocols taldau zane ondagy osaldyktar	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023
5	Isabai Temirlan B akytbekuly	Bolts koimadagi kauipsizdik: balttags derekter men koldanbalardy kalay kauipsiz sak tau ga boladas	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023
6	Tyulebaeva Umitey Ruslanovna	Researching information security threats in credit institutions using Miter Attack	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023
7	Kuzembay Sholpanay B aqytbekkyzy Kurgumbaev Adlet Muratkanovich	Cryptographical qiltterdi ulester protocols salystyrmala zertteu	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023
Total:	7		

3.5 Number of scientific publications of students in collections of conferences abroad

No.	FULL NAME. author(s)	Publication title	Collection name, year, number, page, ISSN	A country
1 -		-		
Total: -				

3.6 List of students who received prizes (I, II, III) in various competitions, exhibitions, conferences in the Republic of Kazakhstan (*submit supporting documents in electronic form*):

N	. FULL NAME. student	-	No. of groups, course	Date of receipt of the award, certificate; indicate the prize place	Name conferences	Location	Mob.t ate .	Email	Link to website organizer
1	Raikul Sayat	IS	SIB 45	3rd place	Republican research competition	ENU			https://enu.kz/ru/ nauka/nirs/

2	Kuralbek Gulnaz	IS	SIB 35	Diploma 2nd degree	Best Student 2023	the city of A mill. OD "Bobek"		
3	Rakutin Alexander Ivanovich	IS	SIB-12	Diploma 3rd place	ICPC 2023-2024, Northern Eurasia Finals	Astana		https://drive.goo gle.com/file/d/1Z 1PKsYCko3onz KJJCkxScweKd KUDun6o/view? usp=sharing
4 Tota	Shagabudino v Alexey Konstantinov ich	IS	SIB-22	Diploma 3rd place	ICPC 2023-2024, Northern Eurasia Finals	Astana		https://drive.goo gle.com/file/d/1Z 1PKsYCko3onz KJJCkxScweKd KUDun6o/view? usp=sharing

3.7 List of students who received prizes (I, II, III) in various competitions, exhibitions, conferences in the CIS (submit supporting documents in electronic form):

No	FULL NAME.	Departme	Group	Date of receipt of the award,	Name	Location	Mob.t ate	Email	Link to the organizer's
	student	nt	number,	certificate; indicate the prize place	conferences				website
			course						
1	Not available	-	-	-	-	-	-	-	-
Τc	Total: -								

3.8 List of students who received prizes (I, II, III) in various competitions, exhibitions, conferences abroad (except the CIS) (submit supporting documents in electronic form):

No.	FULL NAME. student	Departme nt	Group number, course	Date of receipt of the award, certificate; indicate the prize place		ame erences	Location	Mob.t ate .	Email	Link to the organizer's website
1	Not available	-	-	-	-	-		-	-	-
Total	Total:-									

3.9. Information about the work of the student scientific society

No ·	Chairman of the SSS faculty (course, specialty)	Curator from among the teaching staff	Results of the work of the aided navigation system in accordance with the work plan
1.	Not available	-	-

3.10 Information about the work of student clubs

No.	Name of the student group	Number of participants	Achievements
1	"ALGORITHMICS AND PROGRAMMING" Supervisor: Ph.D. Ospanova A. B.	5 students	Participate in the preparation of a project for a competition of student works, and also prepare articles for a conference based on the results of the work
2	"CRYPTOGRAPHY" Head: Art. teacher Ospanov R. M.	25 students	Three students entered the master's program in information security. Three work for the company.
3	"CYBERSPORT" Head: teacher Tashtai. B.	15 students	-
4	ENU CyberSec	6 students	Participate in preparing students to participate in CTF competitions.

MASTER'S RESEARCH STUDENTS

4.1 Number of scientific publications of master's students in scientific journals *included in the Web of Science databases (provide a "screenshot" from the database)*

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN			
р /р						
Depar	tment					
1	Not available	-	-			
Total:	Total: -					

4.2 Number of scientific publications of master's students in scientific journals included in the Scopus database (*provide a "screenshot" from the database*)

No. p /p	FULL NAME. author(s) (indicate in English)	Publication title	Journal name, year, number, page, ISSN	journal impact factor (SJR)
			WSEAS Transactions on Environment and Development, 2023, 19, P. 951–960, Scopus percentile - 45% https://www.scopus.com/authid/d etail.uri?authorId=57193740669#	
Tota	l: 1	·		

4.3 Number of scientific publications by undergraduates in scientific journals *not included in the Web of Science* and Scopus databases: *a) in foreign journals (RSCI, etc.)*

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN
1	Seidualy Ayan Kozhanazarovich, Nurusheva Asel Muratovna	ROLE OF LOAD TESTING IN INFORMATION SECURITY	"Student's Bulletin": scientific journal. – No. 16(255). Part 12., Moscow, Publishing house. "Internauka", 2023. – 72 p. – Electron . in version. oven publ. – https://studvestnik.ru/journal/stud/herald/255 ISSN 2686- 9810 pp. 47-49
2	Seidualy Ayan Kozhanazarovich, Nurusheva Asel Muratovna	DEVELOPMENT OF A METHOD FOR LOAD TESTING OF A MICROSERVICE INFORMATION SYSTEM	5
3	Kadyrov D.S. , Shaikhanova	A Deep Dive into Cobalt Strike Tool	Shakarim University Bulletin. Technical science. No.

		A.K.		4(12)2023. ISSN 2788-7995			
7	Total: 3						

c) in journals of the Republic of Kazakhstan included in the list of the Committee for Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan

	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN
p/p			
	Satybaldina, D., Kalymova , K. and	Application of transfer learning of	Bulletin of KazNPU named after. Abay, series "Physical
	Sydykov, D. 2023.	neural networks in image classification	and Mathematical Sciences"2023 No. 1 (81) P.159-
			169. DOI: https://doi.org/10.51889/2022-4.1728-7901.335.
			https://bulletin-
			phmath.kaznpu.kz/index.php/ped/article/view/1485
			ISSN – 1728-7901
2			KazATK Bulletin. – 2023. – No. 125(2). – pp. 315–323.
			https://doi.org/10.52167/1609-1817-2023-125-2-315-323
		nose" type and study of its performance	
		for environmental monitoring tasks	ISSN Online 2790-5802
3	Satybaldina D.Zh., Sydykov D.M. Isaynova	Neural network gas classifier for gas	Certificate of entry of information into the state register of
	A.N.		rights protected by copyright No. 37464 dated June 23,
		5	2023
4	N.T. Zhetenbaev., G.K. Balbaev., A.Sh.	"Powered Ankle Exoskeletons: Modern	KazATK Bulletin No. 4 (127), 2023, 262-275 pp.
	Rysbeck	Configurations and Control	(DOI10.52167/1609-1817-2023-127-4-262-275)
		Mechanisms",	https://vestnik.alt.edu.kz/index.php/journal/article/view/137
			2
5	Aidarova A. A.	Programming qamtama osaldyktar	Certificate of entry of information into the state register of
		negizinde eksploittar tudyratyn cyberk	rights protected by copyright No. 36347 dated May 29,
		au ipterdi anaktau adistemeleri	2023
		1	
Total.	۱ · 5		
- 01000	-		

No.	*	Publication title	Journal name, year, number, page, ISSN
Dep	partment		·
1.	Mu ham Adiev Madiyar Galeluly		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
	Nu r galikyzy Marzhan		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
	Mukanova Aikun Sabitkyzy	using the example of the Frama-C language	XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
4.	Alseitov Olzhas Aidosovich		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
			XVIII International Scientific Conference "GYLYM JÁNE BILIM-
	Sydykov Daniyar Maratovich	concentrations of model analytes	2023", April 12, 2023
			XVIII International Scientific Conference "GYLYM JÁNE BILIM-
	zhetekshisi – Zh. Akhmetova		2023", April 12, 2023
7	Boranbai Zhandos Asylkhanuly	of training bachelors in information security	XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
8	Gabitova Albina Bauyrzhankyzy.	_	XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
9.	Zhaksybek Dias Meirbekuly		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
10	Zhaksygali Farabi Bolatuly		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
11	Zhumashev Sanzhar Maratkaliuly		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
12	Karimzhanov Amir Nurzhanovich		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
	Kuzembay Sholpanay B aqytbekkyzy Kurgumbaev Adlet Muratkanovich	salystyrmala zertteu	XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023
14	Magzumov Alikhan Maratuly		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023

4.4 Number of scientific publications of master's students in collections of conferences held in the Republic of Kazakhstan:

15	Manatbek Əbi l kayyr kabibekuly		XVIII International Scientific Conference "GYLYM JÁNE BILIM- 2023", April 12, 2023			
		kauipsisizdik ortalyktara				
16	Salimova Danagul B akytzhankyzy	algorithm in the locker	XVIII International Scientific Conference "GYLYM JANE BILIM-			
			2023", April 12, 2023			
17	Tolegen Aydynov, Olzhas	Design and Implementation of an Electronic	International Conference on Electrical Facilities and informational			
	Sabiev , and Dina Satybaldina	Voting System Using the IBM Blockchain	technologies 2023 (ICEIC 2023) Proceedings, Almaty, Kazakhstan,			
		Platform	August 22nd to 25th, 2023, p.164			
18	Olzhas Alseitov , Aliya	Detection and Classification of the Volatile	International Conference on Electrical Facilities and informational			
	Issainova, Dina Satybaldina,	Organic Compounds from the Petroleum and	technologies 2023 (ICEIC 2023) Proceedings, Almaty, Kazakhstan,			
	Assem Konyrkhanova	Petroleum-Derived Products Using an	August 22nd to 25th, 2023, p. 218-223			
		Electronic Nose and Machine Learning				
		Algorithms				
19	Adlet Smailov, Saukhanova	Analysis of client-side and server-side attacks	International Conference on Electrical Facilities and informational			
	Zhanat	in the context of web applications	technologies 2023 (ICEIC 2023) Proceedings, Almaty, Kazakhstan,			
			August 22nd to 25th, 2023, p. 150-153			
То	Total: 19					

4.5 Number of scientific publications by undergraduates in collections of conferences held abroad

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN		
				country	
Depart	tment				
1	Serikkazin A.E., Nurusheva	Unification of information security	Scientific forum: Technical and physical and mathematical sciences:	RF	
	A.M.	standards: a unified approach to increasing	collection. Art. based on materials of the LXIII international.		
		the cyber resilience of organizations	scientific - practical conf. — No. 4(63) M., Ed. "MCNO", 2023.		
2	Tazhikenova N., Tokseit D.	Questions of technical and physical and	LXIX int. scientific - practical conf. No. 11(60) Novosibirsk:	RF	
		mathematical sciences in the light of modern	SibAK, 2023. – P. 15-22.		
		research: collection. Art. by mother _			
Total:	2				

4.6 List of undergraduates who received prizes (I, II, III) in various competitions, exhibitions, conferences in the Republic of Kazakhstan (*submit supporting documents in electronic form*):

No.	FULL NAME.	Department	No. of	Date of receipt	Name	Location	Mob.t	Email	Link to the
	master's student		groups,	of the award,	conferences		ate.		organizer's
			course	certificate;					website

				indicate the prize place		
1	Boranbai Zhandos Asylkhanuly	IS	2nd year	04/12/2023, Diploma 1 Place	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023	
2	Alseitov Olzhas Aidosovich, Sydykov Daniyar Maratovich (joint report)	IS	1st year 2nd year	04/12/2023, Diploma 1 Place	XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023	
3	Kuttymbek Daniyar Asetuly, member of the national team of the Department of Information Security	IS	1st year	December 12- 13, 2023, Diploma 3 Place	International Collegiate Programming Contest (ICPC), international student team competition in sports programming , Northeast Region finals	ITU, Astana, Kazakhs
Tota	ıl:3		1	1		

4.7 List of undergraduates who received prizes (I, II, III) in various competitions, exhibitions, conferences in the CIS (submit supporting documents in electronic form):

No.	FULL NAME. master's student	Departm ent	Group number,	Date of receipt of the award,	Name conferences	Location	Mob.t ate .	Email	Link to the organizer's website
			course	certificate; indicate					
				the prize place					
1	Kadyrov Damir	IS	1 course	04/22/2023	STF -	Moscow			
	Serikovich			1 place	information				
					security				
					competition				
					"KODEBAY				
					GAMES"				
Tota	Total: 1								

5. DOCTORAL RESEARCH

the Web of Science database (*provide a "screenshot" from the database*)

No.	FULL NAME. author(s) (indicate in	Publication title	Journal name, year, number, page, ISSN
р /р	English)		
1.	Aliya Abdiraman, Nikolaj Goranin, Simas	Application of Multicriteria Methods	Sustainability 2023, 15(10), 8114; Indexed in Web
	Balevicius, Assel Nurusheva, Inga	for Improvement of Information	of Science: Q2, Scopus: Q1,
	Tumasonienė	Security Metrics	https://doi.org/10.3390/su15108114
Total: 1	1		

5.2 Number of scientific publications by doctoral students in scientific journals included in the Scopus database (*provide a "screenshot" from the database*)

No. p /p	FULL NAME. author(s) (indicate in English)	Publication title	Journal name, year, number, page, ISSN	journal impact factor
1	Aliya Abdiraman , Nikolaj Goranin ,	Application of Multicriteria	Sustainability 2023, 15(10), 8114; Indexed in Web	percentil
	Simas Balevicius, Assel Nurusheva,	Methods for Improvement of	of Science: Q2, Scopus: Q1,	e 83
	Inga Tumasonienė	Information Security Metrics	https://doi.org/10.3390/su15108114	

2	Tasmagambetov, O., Seitkulov, Y.,	Fault-tolerant backup storage	Telkomnika (Telecommunication Computing	SJR=0.2
	Ospanov, R., Yergaliyeva, B.	system for confidential data in	Electronics and Control), 2023, 21(5), p. 1030–	86
		distributed servers	1038, Scopus: Q2, percentile 56	
			https://www.scopus.com/record/display.uri?eid=2-	
			s2.0-85169042723&origin=resultslist&sort=plf-f	
Total:	2			

5.3 Number of scientific publications by doctoral students in scientific journals *not included in the* Thomson Reuters and Scopus databases: *a) in foreign journals (RSCI, etc.)*

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN				
Depar	Department						
1	Not available						
Total:	Total: -						

b) in journals of the Republic of Kazakhstan included in the list of the Committee for Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN
Depa	rtment		
1	Satybaldina D., Yakovlev V., Ergalieva B., Ospanov R. , Amanzholova S.	and authentication in cellular networks	KazATK Bulletin. – 2023. – No. 2 (125) – P. 302–314. ISSN 1609-1817 ISSN Online 2790-5802 / https://vestnik.alt.edu.kz/index.php/journal/article /view/1138
2	Tasmagambetov , O. , Seitkulov, E., Ospanov, R. , Zhuzbaev, S., & Ergalieva, B.	Analysis of the security model of the functioning of a fault-tolerant system for backup storage of confidential data .	Bulletin of KazATK-2023 No. 125(2) - pp. 211–222. <u>https://doi.org/10.52167/1609-1817-</u> <u>2023-125-2-211-222_</u> ISSN 1609-1817 ISSN Online 2790-5802
3	Seitkulov, E., Tashatov, N., Ergalieva, B.,	Critical analysis of technological	KazATK Bulletin2023 No. 124(1)WITH.

	Tasmagambetov, O., Ospanov, R.	solutions in the field of cybersecurity of cellular networks.	222–229 . <u>https://doi.org/10.52167/1609-1817-</u> 2023-124-1-222-229 ISSN 1609-1817 ISSN Online 2790-5802
4	Nurusheva A.M., Amrenov A.K.	Use and analysis of next generation firewall to achieve security of information and communication infrastructure	BULLETIN of the National Engineering Academy of the Republic of Kazakhstan, No. 1, 2023, 77-84, ISSN 2709–4693
5	Ospanov R.M., Seitkulov E.N., Sisenov N.M.	Software implementation of the cryptographic hash function "TAHBA"	Certificate of entry of information into the state register of rights protected by copyright No. 28399 dated August 22, 2022
6	MOLDAMURAT KHURALAY, Seitkulov Erzhan Nurakhanovich, Atanov Sabyrzhan Kubeisinovich, Ergalieva Banu Bakytzhanovna , Kyzyrkanov Abzal Ermekbayuly	Saikestendiru zhane authenticationlaudisterin yyaly baylanys jellyrinde authorizationlaudy modeldeu	Certificate of entry of information into the state register of rights protected by copyright No. 34263 dated April 4, 2023
7	Satybaldina, D., Seilov, Sh., Nurzhaubaev, A. , Abildinov, D.	Research into automation of long- term storage processes of vegetables and fruits based on the use of artificial olfactory systems.	<i>KazATK Bulletin</i> , (2023). <i>128</i> (5), 176–188. https://doi.org/10.52167/1609-1817-2023-128- 5-176-18

c) in journals of the Republic of Kazakhstan not included in the list of the Committee for Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN			
Depa	rtment					
1	Not available	-	-			
Total	Total: -					

5.4 Number of scientific publications by doctoral students in conference proceedings in the Republic of Kazakhstan

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN				
Departn	Department						
1	Ospanov Ruslan Maratovich		XVIII International Scientific Conference "GYLYM JÁNE BILIM-2023", April 12, 2023				
Total:1	Fotal:1						

5.5 Number of scientific publications by doctoral students in proceedings of conferences held abroad

No.	FULL NAME. author(s)	Publication title	Journal name, year, number, page, ISSN	A country
Depa	rtment		· · · · · · · · · · · · · · · · · · ·	•
1	B. Tuleuov, A. Ospanova, A. Tussipkhanov , A. Shegetaeva	Lightweight Portable Environment for Building Visual Studio Projects (Solutions) and C/C++ Sources without Visual Studio	Participation "Electronica 2023", June 1 - 2, 2023, Sofia, Bulgaria (accepted)	U
2	B. Tuleuov, A. Ospanova, A. Tussipkhanov, A. Shegetaeva	Lightweight Portable Environment for Building Visual Studio Projects (Solutions) and C/C++ Sources without Visual Studio	Participation "Electronica 2023", June 1 - 2, 2023, Sofia, Bulgaria (accepted)	U
3	K. Syzdykbayev , A. Shaikhanova, V. Martsenyuk	text information encryption	XIII Międzynarodowa Konferencja Studentów oraz Doktorantów "Inżynier XXI wieku" (The 13th International Conference of Students and Doctoral Students "Engineer of the 21st Century"), 02.12.2023. Rr. 189-198. DOI: https://doi.org/10.53052/9788367652124.1	
4	A. Yessenbayeva, A. Shaikhanova, V. Martsenyuk	methods of image encryption	XIII Międzynarodowa Konferencja Studentów oraz Doktorantów "Inżynier XXI wieku" (The 13th International Conference of Students and Doctoral Students "Engineer of the 21st Century"), 02.12.2023. Rr. 207-215. DOI: https://doi.org/10.53052/9788367652124.20	

Total:4

5.6 List of doctoral students who received prizes (I, II, III) in various competitions, exhibitions, conferences in the Republic of Kazakhstan (*submit supporting documents in electronic form*):

No.	FULL NAME. doctoral student	Departm ent	No. of groups, course	Date of receipt of the award, certificate; indicate the prize place	Name conferences	Location	Mob.t ate .	Email	Link to the organizer's website
1	Not available								
Total	Total:-								

5.7 List of doctoral students who received prizes (I, II, III) in various competitions, exhibitions, conferences in the CIS (*submit supporting documents in electronic form*):

No.	FULL NAME. doctoral student	Departm ent	No. of groups, course	Date of receipt of the award, certificate; indicate the prize place	Name conferences	Location	Mob.t ate .	Email	Link to the organizer's website
1	Not available								
Total	: -								

5.8 List of doctoral students who received prizes (I, II, III) in various competitions, exhibitions, conferences abroad (except the CIS) (*submit supporting documents in electronic form*):

No.	FULL NAME. doctoral student	Departme nt	Group number, course	Date of receipt of the award, certificate; indicate the prize place	conferences	Location	Mob.t ate .	Email	Link to the organizer's website
1	Not available	-	-	-	-	-	-	-	-
Total	-								

6. INTERNATIONAL SCIENTIFIC COOPERATION

In the 2022-2023 academic year, the following joint educational programs are being implemented at the Department of Information Security:

6.1 Availability of concluded international agreements on scientific and technical cooperation with universities and research centers for the reporting
year

N 0	Organization (universities, research centers, etc.)	A country	Title of the document	date of signing	Validity	Implementation progress
1	North Caucasus Federal University, 04/10/01 "Mathematical and software for information security", master's degree (OP 7M06306 "Information Security Systems" (ENU), master's degree)	Russia	Agreement No. 127 M dated August 26, 2020 on the creation of a joint educational program with the possibility of obtaining two diplomas between the North Caucasus Federal University and ENU named after. L. N. Gumileva	08/26/2020	09.29.2024	Number of students under SOP in 2021- 2022. From ENU - 4 master's students From NCFU - 4 master's students
2	Federal State Educational Institution of Higher Education "National Research Nuclear University "MEPhI", 10.04.01 Information Security EP "Ensuring information security and continuity of operation of information processing objects", master's degree (OP 7M06306 "Information Security Systems" (ENU), master's degree)	Russia	Additional agreement No. 10.04.01-ENU-1 dated 09.11.2020 to the Agreement on joint educational programs dated 08.13.2019 between the Federal State Educational Institution of Higher Education "National Research Nuclear University "MEPhI" and ENU	09/11/2020	05/20/2023	From ENU - 10 master's students

No	FULL NAME. visiting professor	Organization/country of visiting professor	Name of scientific event	Periods of stay	Brief information
1	Abdul Razak	PhD Doctor of New York University (USA)	Taught courses: " Computer Network Security-2" for 7M06306 Information Security Systems , "Design of an information security management system" for 8D06306 Information security systems	2nd semester 202 2 -202 3 years	Gave lectures, conducted practical training. and laboratory Bachelor's degree . to the department (total 90 hours), preparing an article jointly. with doctoral students of the department
2	Bishwajeet Kumar Pandey	PhD, Doctor of Jain University (India)	"Digital signal processing" for 6B06306 Information security systems, "Malicious code detection technologies" for 7M06306 Information security systems	2nd semester 2022-2023	Gave lectures, conducted practical training. and laboratory Bachelor's degree . to the pulpit (total 90 hours)
3	Boltaev Sherzot Tuilibaevich	PhD, Associate Professor at the National University named after M. Ulugbek, December 2022	scientific seminar for master's and doctoral students	1st semester 2022-2023	spent scientific seminars : "Introduction to Cryptographic protocols", "UzDSt 1105:2009 cryptographic algorithm"
4	Anarkulov Maksad	PhD, Associate Professor, Fergana	scientific seminar for	2nd semester	conducted a

6.2 Invited foreign professors to participate in scientific events (conferences, summer schools)

	Karimberdievich	State University	master's and doctoral students	2022-2023	scientific seminar on the topic: "Areas of application of artificial intelligence"
5	.Rakhimov Kuvvatali Ortikovich	PhD, Associate Professor , Fergana State University	scientific seminar for master's and doctoral students	2nd semester 2022-2023	conducted a scientific seminar on the topic: "Possibilities of Python libraries for machine learning and data analysis"
6	Bishwajeet Kumar Pandey	PhD, Doctor of Jain University (India)	"Security of software components of information systems" for 6B06306 Information security systems, "Malicious code detection technologies" for 7M06306 Information security systems	03.11.2023- 03.12.2023 2023-2024 G .	Gave lectures, conducted practical training. and laboratory Bachelor's degree . and master's student. departments (total 90 hours), conducted a scientific seminar
6	Nikolay Goranin	Vilnius Technical University named after Prince Gediminas	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the

					doctoral students' supervisors
7	Petr Popov	City, University of London	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
8	WillianDimitrov	University of Library Studies and Information Technologies Computer Science	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students ' supervisors
9	Kurbatsky Alexander Nikolaevich	Belarusian State University	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
10	Tebuova Fariza Bilyalovna	North Caucasus Federal University	Scientific guidance	2022-2023	Consultations were

					held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
11	Sukhomlin Vladimir Alexandrovich	Moscow State University named after L. Omonosov	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
12	Goykhman Vadim Yurievich	St. Petersburg State University of Telecommunications	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
13	Kopytov Vladimir Vyacheslavovich	North Caucasus Federal University	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation,

					together with the doctoral students' supervisors
14	Petrenko Vyacheslav Ivanovich	North Caucasus Federal University	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
15	Mohamed Othman	Professor, University of Putra, Malaysia	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
16	Francesco Sica	PhD, Associate Professor, Florida Atlantic University, USA	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors

17	Vasyl Martsenyuk	Professor, DSc, PhD, University of Bielsko-Biala, Poland	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
18	Chenis Antanas Ionovich	Ph.D., Professor, Vilnius Technical University named after Prince Gediminas (Vilnius, Lithuania)	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
19	Eshref Adali	PhD, Istanbul Technical University , Turkey	Scientific guidance	2022-2023	were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
20	Yurkov Nikolay Kondratievich	Doctor of Technical Sciences, Professor of Penza State University (Penza, Russia)	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation,

					together with the doctoral students' supervisors
21	Chenis Antanas Ionovich	physics and mathematics Gylymdaryn candidates, professor, Gediminas Gediminas Technical University, Lithuania	Scientific guidance	2022-2023	Consultations were held with the doctoral student on the topic of the dissertation, together with the doctoral students' supervisors
Tota	<i>l:</i> 21				

The department actively and closely cooperates with foreign partners and is constantly expanding its external contacts

7. ANALYSIS OF R& D of the Department of Information Security (results of the work of the faculties/department, comparison with last year)

No.	Indicators	Previous	Reporting
		2022	2023
1.	Scientific publications in international scientific publications Web of Science :	3	6
2.	Scientific publications in international scientific journals Scopus:	20	20
3.	Publications in journals not included in the Web of Science and Scopus databases		
	a) in foreign journals (RSCI, etc.)	3	3
	b) in journals of the Republic of Kazakhstan included in the list of the Committee for Education and Science of	7	25
	the Ministry of Education and Science of the Republic of Kazakhstan	-	1
	c) in journals of the Republic of Kazakhstan not included in the list of the Committee for Education and		
	Science of the Ministry of Education and Science of the Republic of Kazakhstan		
4.	Scientific publications in collections of conferences held in the Republic of Kazakhstan:	2	6
5.	Scientific publications in scientific conferences, symposiums, seminars abroad:	3	10

6.	Organization and holding of scientific events at the faculty/department:		
	International conferences	-	-
7.	Participation in the work of the editorial board of journals not included in the Thomson Reuters, Scopus	3	4
	databases		
8.	List of STUDENTS who received prizes (I, II, III) in various competitions, exhibitions, conferences in the	15	4
	Republic of Kazakhstan		
9.	List of STUDENTS who received prizes (I, II, III) in various competitions, exhibitions, conferences in the CIS	-	-
10.	Number of scientific publications by STUDENTS in scientific journals, total	12	7
	Number of scientific publications by students in collections of conferences held in the Republic of Kazakhstan	12	7
	Number of scientific publications by students in collections of conferences abroad	-	-
eleve	Number of scientific publications by MASTER STUDENTS in scientific journals included in the Web of	-	-
n.	Science and Scopus databases:	-	1
12.	Number of scientific publications by MASTER STUDENTS in scientific journals not included in the Web of		
	Science and Scopus databases:		
	a) in foreign journals (RSCI, etc.)	5	3
	V) in journals of the Republic of Kazakhstan included in the list of the Committee for Education and Science of	-	5
	the Ministry of Education and Science of the Republic of Kazakhstan		
13.	in journals of the Republic of Kazakhstan not included in the list of the Committee for Education and Science	-	-
	of the Ministry of Education and Science of the Republic of Kazakhstan		
14.	Number of scientific publications by MASTER STUDENTS in collections of conferences held in the Republic	15	19
	of Kazakhstan:		
15.	Number of scientific publications by MASTER STUDENTS in collections of conferences held abroad	1	2
16.	List of MAGISTRATES who received prizes (I, II, III) in various competitions, exhibitions, conferences in	2	3
	the Republic of Kazakhstan		
17.	List of MASTER STUDENTS who received prizes (I, II, III) in various competitions, exhibitions, conferences in the CIS and abroad	2	1
18.	Number of scientific publications of DOCTORAL students in scientific journals included in the Web of Science	2	1
	and Scopus databases:	6	2

19.	Number of scientific publications of DOCTORAL students in scientific journals <i>not included in the Web of Science</i> and Scopus databases: a) in foreign journals (RSCI, etc.)		_
	b) in joregn journais (KSCI, etc.)	1	7
1000	b) in journals of the Republic of Kazakhstan included in the list of the Committee for Education and Science of	4	/
	the Ministry of Education and Science of the Republic of Kazakhstan	-	-
	c) in journals of the Republic of Kazakhstan not included in the list of the Committee for Education and		
	Science of the Ministry of Education and Science of the Republic of Kazakhstan		
20.	Number of scientific publications by doctoral students in conference proceedings in the Republic of Kazakhstan.	1	1
21.		1	4
	Number of scientific publications by doctoral students in proceedings of conferences held abroad.		т
22.	List of DOCTORAL STUDENTS who received prizes (I, II, III) in various competitions, exhibitions,	2	-
	conferences in the Republic of Kazakhstan		
23.	List of DOCTORAL STUDENTS who received prizes (I, II, III) in various competitions, exhibitions,	1	-
	conferences in the CIS and abroad		

8. PROSPECTS FOR THE DEVELOPMENT OF SCIENTIFIC ACTIVITY (problems, ways of developing research and proposals for further improvement of scientific activity).

Overall, calendar year 2023 performance is an improvement on many measures compared to 2022 performance.

Next year, the department plans to improve the participation of teaching staff and students of the department in competitions for grant funding of projects; continue work on the participation of students, undergraduates and doctoral students in scientific conferences, olympiads and competitions; carry out work to improve the quality of student publications, to publish research results in publications indexed by Scopus and WoS; continue work on the participation of teaching staff in events held by the faculty and the university.

Uthre

Responsible for research work of the IS department

Shakhmetova G.B.

Agreed Head of the Department of Information Security

Konyrkhanova A.A.