

MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN

Eurasian National University. L.N. Gumilyov



REPORT

about research work

Faculty of Information Technology

"Technologies of artificial intelligence"

(name of department)

for the 1st half of the 2022 academic year

CONSIDERED

at a meeting of the Faculty Council / at a meeting of the department

Protocol #11

June 10, 2022

Astana, 2022

1. STAFFING

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

1) State awards:

Order of the Republic of Kazakhstan(The Highest Sign of the highest degree of distinction "Altyn Kyran", "Khalyk kaharmany", "Kazakhstannyn Enbek Epi", "Otan", "Barys", "Dank", "Aibyn", "Parasat", "Kurmet")

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 kayratkeri”)

2) Departmental awards: Badge “Y. Altynsarin”, Badge “Gylymdy damytura sinirgen engbegi ushin”, Badge “Beru isinin qyrmetti qyzmetkeri”, Badge “Madeniyet salasynyң yzdigi”

3) The best university teacher

4) Membership in Academies

5) Holders of international titles and diplomas

6) Diplomas of ministries and departments

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

No.	FULL NAME, uch. degree, position	Competition name, date and venue	Result
1			
<i>Total:</i>			

1.3 Science awards, scholarships, grants (ErasmusMundus, Tempus, DAAD, etc.) received abroad

No.	FULL NAME, uch. degree, position	Competition name, date and venue	Result
1			
<i>Total:</i>			

1.4 Presence of scientific schools

2. MAIN RESULTS OF SCIENTIFIC ACTIVITIES OF THE PPP

2.1 Main (significant) results of scientific activity

2.2 Scientific publications in international scientific journals ThomsonReuters (submit a "screenshot" from the database):

No. p/n	FULL NAME. author(s) (specify in English)	Publication title	Name of the journal, year, number, pages, ISSN	journal impact factor
<i>Chair</i>				
1	Yelibayeva, G., Sharipbay, A., Bekmanova, G., Omarbekova, A.	Ontology-based extraction of Kazakh language word combinations in natural language processing	ACM International Conference Proceeding Series, 2021, pp. 58–59	
2	Bekmanova, G., Yergesh, B., Sharipbay, A.	Sentiment Analysis Model Based on the Word Structural Representation	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2021, 12960 LNAI, pp. 170–178	
Total:2				
<i>Total by faculty:</i>				

2.3 Hirsch index according to the ThomsonReuters database:

No. p/n	FULL NAME. uch. degree, position	h-index
1	Elibaeva G.K.	2

2	Ergesh B.Zh., PhD, Acting Associate Professor Yergesh, Banu - Web of Science Core Collection	4
3	Bekmanova G.T. https://www.webofscience.com/wos/author/record/44406023	2
4	Sharipbay A.A.	4
5	Omarbekova A.S.	1
6	Razakhova B.Sh. https://www.webofscience.com/wos/author/record/26805637	1
<i>Total: 6</i>		

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

No. p/n	FULL NAME. author(s) (specify in English)	Publication title	Name of the journal, year, number, pages, ISSN	Journal Impact Factor (SJR)
<i>Chair</i>				
1	Bekmanova, G., Ongarbayev, Y., Somzhurek, B., Mukatayev, N.	Personalized training model for organizing blended and lifelong distance learning courses and its effectiveness in Higher Education	Journal of Computing in Higher Education, 2021, 33(3), pp. 668–683	
2	Bekmanova, G., Ongarbayev, Y., Somzhurek, B., Mukatayev, N.	Intelligent learning systems for LLL courses: Intelligent learning systems for LLL courses	ACM International Conference Proceeding Series, 2021, pp. 26–27	
3	Yelibayeva, G., Sharipbay, A., Bekmanova, G., Omarbekova, A.	Ontology-based extraction of Kazakh language word combinations in natural language processing	ACM International Conference Proceeding Series, 2021, pp. 58–59	
4	Bekmanova, G., Yergesh, B., Sharipbay, A.	Sentiment Analysis Model Based on the Word Structural Representation	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2021, 12960 LNAI, pp. 170–178	
5	Gulzira, M., Gulmira, B., Altynbek, S., Assel, O.	The audit method of enterprise's Information security	PervasiveHealth: Pervasive Computing Technologies for Healthcare this link is disabled , 2020, 3410761	
6	Zotov, V., Frolova, N., Prasolov, V.	The effectiveness of case studies in entrepreneurship education	International Journal of Instruction, 2021, 14(4), pp. 1033–1046	

	, Kintonova, A.			
7	Demidchik, N.N., Kudaibergenova, M.D. , Kintonova, A.Zh.	Using the Internet of Things (IoT) for Natural Resources Monitoring System	SIST 2021 - 2021 IEEE International Conference on Smart Information Systems and Technologies, 2021, 9465979	
8	Kintonova, A., Vasyaev, A. , Shestak, V.	Cyberbullying and cyber-mobbing in developing countries	Information and Computer Security, 2021, 29(3), pp. 435–456	
9	Zotov, V., Frolova, N. , Prasolov, V. , Kintonova, A.	The effectiveness of case studies in entrepreneurship education	International Journal of Instruction, 2021, 14(4), pp. 1033–1046	
10	Demidchik, N.N., Kudaibergenova, M.D. , Kintonova, A.Zh.	Using the Internet of Things (IoT) for Natural Resources Monitoring System	SIST 2021 - 2021 IEEE International Conference on Smart Information Systems and Technologies, 2021, 9465979	
11	Kintonova, A., Vasyaev, A. , Shestak, V.	Cyberbullying and cyber-mobbing in developing countries	Information and Computer Security, 2021, 29(3), pp. 435–456	
12	Maulenov, K.S., Kudubayeva, S.A. , Uvaliyeva, A.A.	Studying a Face Search Method Based on the Idea of Sparse Data Representation by Generating Random Points	SIST 2021 - 2021 IEEE International Conference on Smart Information Systems and Technologies, 2021, 9465986	
13	Tursyngaliyeva, G. , Sagindykov, K.	Modeling the dynamical ethnic	Journal of Modelling in Management, 2021	

	, Konyrkhanova, A. , Niyazova, R. , Sydykova, A.	processes in multinational society		
<i>Total:13</i>				
<i>Total by faculty:</i>				

2.5 Hirsch index according to the Scopus database:

No. p/n	FULL NAME. uch. degree, position	h-index
1	Sharipbay A.A., Doctor of Technical Sciences, Professor	9
2	Bekmanova G.T., Ph.D., acting professors	7
3	Omarbekova A.S., Ph.D., acting professors	5
4	Razakhova B.Sh., Ph.D., acting associate professor	4
5	Ergesh B.Zh., PhD, acting associate professor	5
6	Mukanova A.S., PhD, acting associate professor	5
7	Kintonova A.Zh., Ph.D., acting associate professor	3
8	Kudubaeva S.A.,Ph.D., acting associate professor	3

9	Niyazova R.S., Ph.D., acting associate professor	2
10	Elibayeva G.K., PhD, senior lecturer	5
eleven	Zhetkenbay Lena, PhD, lecturer	5
<i>Total:11</i>		

2.6. Publications in journals not included in the database Thomson Reuters and Scopus

a) in foreign journals (RSCI, etc.)

No. p/n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
1	Seitkulov Y. N., Boranbayev S. N., Davydau H. V., Patapovich A. V.	Intelligibility of the kazakh speech when it's protected with combined masking signals.	Reports of BSUIR. 2020;18(1): pp. 67-73. https://doi.org/10.35596/1729-7648-2020-18-1-67-73 . ISSN 1729-7648
2	Satybaldina D.Zh., Ovechkin G.V., Kalymova K.A.	Static Hand Gesture Recognition System Using Depth Camera	Vestnik RGRTU. 2020. № 72 / Vestnik of RSREU. ISSN 1995-4565, RSCI. 2020. P.93-105 DOI: 10.21667/1995-4565-2020-72-93-105 http://vestnik.rsreu.ru/ru/archive/2020/vypusk-72/984-1995-4565-2020-72-93-105
3	Kintonova A.Zh., Baenova G.M., Urynbasarova A.Zh.	Web Application Security Considerations	"Colloquium-journal", No. 13 (65), 2020 - P.6-9, ISSN 2520-6990
4	Aktayeva A., Niyazova R.S., Makatov E.K., Muradilova G.S.	An ontological approach to represent the knowledge of identifying users of social networks.	Proceedings of the V International Scientific and Practical Conference. Simferopol, 2020 P.357-363 ISBN: 978-5-907376-15-1 https://www.elibrary.ru/item.asp?id=44060048&pff=1
5	Kintonova A.Zh., Povkhan I.F., Sabitov A.	Adaptive distance learning systems.	"Global Science and Innovation 2020: Central Asia" No. 6(11). December 2020 Series "Technical

			Sciences", pp. 46-48, ISSN 2664-2271
6	Kintonova A.Zh., Povkhan I.F., Sabitov A.	Data Mining Algorithms	"Global Science and Innovation 2020: Central Asia" No. 6(11). December 2020 Technical Sciences Series, pp. 48-51, ISSN 2664-2271
7	Kintonova A.Zh., Rakisheva K.K.	Technologies for the implementation of online learning	Student Bulletin: electron. Scientific. Journ. 2021. № 1(146). Available at: https://studvestnik.ru/journal/stud/herald/146 (accessed: 09.01.2021).
8	Kintonova A.Zh., Oshakbay D.	Information Security Models	Research solutions of modern Russia in times of crisis. XXVI All-Russian Scientific and Practical Conference, Izd. LLC "Priority", Together with the Southern University (IUBIP), ISBN 978_5_6043010_7_4, 2020, pp. 56 -59
9	Kintonova A.Zh., Sabitov A.,	Application of e-learning standards in the design of an online course	Proceedings of the VI International Scientific and Practical Conference. In 2 parts. 2020, Publisher: Southern University (IUBiP), VVM Publishing House, Modern concepts and paradigms of education in the context of the global epidemiological crisis Rostov-on-Don, December 29, 2020, ISBN 78_5_6043010_6_7, UDC: 004.4
10	Kudubayeva S, Amangeldy N	Kazakh sign language recognition system based on the Bernsen method and morphological structuring. –	WOUNDS. Scientific journal. Speech Technologies -2020 No 4. pp. 3-16.
11	Moldash A.B., Seksenbaeva A.K.	Modern WIGEGUARD protocol in VPN environment	ISCIENCE.IN.UA "Actual scientific research in the modern world" - Issue 1 (69) part 2 - c.60-65-ISSN 2524-0986
12	Zhumai N., Moldash A.B., Seksenbaeva A.K.	Methods of information protection based on its visualization	"Young Scientist" International Scientific Journal - No 18 (308) / 2020, ISSN 2072-0297
13	Myrzakul Zhansaya Nurmatullaevna, Razakhova Bibigul Shamshanovna. //	Ensuring information security of networks.	Young researcher: challenges and prospects. Based on the materials of the CC International Scientific and Practical Conference. – № 5(200). – M., Izd. Internauka, 2021. - P. 203-208
14	Saparbek S, Mukanova A	Encryption according to the gamut method.	"Actual scientific research in the modern world" journals, 2021, 3(71) pages, 8 pages, 75-80 bb

15	Satybaldieva D., Mukanova A	Research methods and algorithms for detecting online cyberbullying	Young scientist. — 2020. — № 48 (338). — P. 631-636.
16	Nurdanbek M., Mukanova A.	The basis for creating a thesaurus in the field of information security	Internauka LLC, Internauka Journal, No. 4 (180), 2021, No. FS77-66291, 3, 61-63 pages
17	Aktayeva A., Niyazova R.S., Makatov E.K., Muradilova G.S.	An ontological approach to represent the knowledge of identifying users of social networks.	Proceedings of the V International Scientific and Practical Conference. Simferopol, 2020 P.357-363 ISBN: 978-5-907376-15-1 https://www.elibrary.ru/item.asp?id=44060048&pff=1
<i>Total: 17</i>			

b) in the journals of the Republic of Kazakhstan, included in the list of KKSON MES RK

№ p / n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
1	Kudubaeva S. A., Amangeldy N	IDENTIFICATION OF CONNECTED REGIONS AND CORRELATION METHODS OF WORD REGISTRATION RECOGNITION IN THE KAZZAK SIGN LANGUAGE.	KazUTU khabarshysy. No. 5, 2020, 172 p, ISSN 1680-9211
2	Kudubaeva S. A., Amangeldy N	OVERVIEW OF THE SUBJECT AREA OF KAZAKH SIGN LANGUAGE RECOGNITION REPORT. ACCOUNTING	KazUTU khabarshysy. No. 5,2020, 177 p, ISSN 1680-9211
3	A. A. Sharipbay A.S. Mukanova E.Zh. Ergesh A. Zulkhajav	Composition of the thesaurus of grammar of Turkic languages structure	Herald. Almaty: Almaty University of Power Engineering and Telecommunications, ISSN 1999 – 9801. 2020 No. 3 (50).– P. 111-118.

4	Abdiev B., Karymsakova N., Satybaldina D. .	Capabilities of industrial sandbox systems for detecting targeted attacks	Bulletin of KazNTU named after K. Satpayev. ISSN: 1680 - 9211 - 2020. - No. 3 (139). - P.189-198
5	Satybaldina D. Zh., Tlekbaev A. K., Glazyrina N. S., Nugerbekov K. K.	Recommendation system for compiling the interior of the room,	PSU Bulletin. ISSN: 1811 – 1807. Energy series. - Pavlodar, 2020. - No. 1. - P. 413-423.
6	Seitkulov E.N., Arapov N.K., Ergalieva B.B., Arapov M.K., Satybaldina D.Zh.	Secure Outsourcing of Cryptographic Transformations	Bulletin of KazNTU named after K. Satpayev. ISSN: 1680 - 9211 - 2020. - No. 5 (141). - P.458-463
7	Seitkulov E.N., Arapov M.K., Ulyukova G.B.	Methods of outsourcing cryptographic transformations in asymmetric cryptosystems	Bulletin of KazNTU named after K. Satpayev. ISSN: 1680 - 9211 - 2020. - No. 6 (142). - P.649-654
8	Ospanov R.M., Seitkulov E.N.	On methods for designing an internal function for a scheme for constructing cryptographic hash functions of sponge	Bulletin of KazNTU named after K. Satpayev. ISSN: 1680 - 9211 - 2020. - No. 5 (141). - P.645-650
9	Ospanov R.M., Seitkulov E.N., Arapov N.K., Ergalieva B.B.	Modification of the scheme for constructing cryptographic hash functions of sponge	Bulletin of KazNTU named after K. Satpayev. ISSN: 1680 - 9211 - 2020. - No. 5 (141). - P.520-525
10	Zharkimbekova A.T., Ospanova A.B., Sagindykov K.M.	The role of regulatory documents in the field of information security used in the study of the security of computer networks	Bulletin of the National Engineering Academy of the Republic of Kazakhstan. ISSN: 2709 – 4693. 2020. No. 3 (77), pp. 77-81
11	S.A. Kudubaeva, N. Amangeldi – doctoral student of ENU	Overview of the subject area of the report on the recognition of Kazakh sign language. Reporting.	KazUTZU khabarshysy. ISSN: 1680 - 9211 No. 5- 2020. Pp. 177-183

12	S.A. Kudubaeva, N. Amangeldi – doctoral student of ENU	Determining connected regions and correlational methods of phrase recognition in Kazakh sign language.	Bulletin of KazNRTU. ISSN: 1680 - 9211, No5.- 2020 P. 172-177
13	Kudubaeva S.A., Zhusupova B.T., Alippaeva D.Zh. Kostanay RU	Dictionaries of the Kazakh language as the basis of semantic analysis in the system of computer sign language Zh-interpretation.	Bulletin of the National Academy of Engineering of the Republic of Kazakhstan, ISSN: 2709 – 4693. No4 (78) – 2020. P.95-99
15	Kudubaeva S., Maulenov K. Kostanay RU	Comparative analysis of the characteristics of existing systems for searching and recognizing facial images.	Bulletin of KazNRTU, ISSN: 1680 – 9211. No4 2020. P. 155-160
16	Kudubaeva S., Maulenov K. Kostanay RU	The problem of face image recognition using the Monte Carlo method.	Bulletin of KazNRTU. ISSN: 1680 – 9211.2020. No4, 2020, pp. 151-155
17	Seitkulov E.N., Arapov M.K., Ulyukova G.B.	Methods of outsourcing computational transformations in asymmetric cryptosystems	Bulletin of the Kazakh National Technical University named after K.I. Satpayev, ISSN: 1680 - 9211 2020, pp. 649-654,
18	Sharipbay A. A., Saukhanova Zh.S., Shakhmetova G.B., Ulyukova G.B.	Use of reversible finite state machines in asymmetric cryptosystems	Bulletin of the Almaty University of Power Engineering and Telecommunications (in the direction of energy, informatics, radio engineering and communications), ISSN 859654.2020, pp. 118-124,
19	Makatov E.K., Aktayeva A.U., Niyazova R.S.	The problem of information technologies in the field of higher education.	Toraigyrov University No. 3 (2020). 326-339 b. ISSN 2710-2661
20	Kintonova A.Zh., Takuadina A.	Application of information modeling system of tuberculosis epidemic on the example of Karaganda region	Bulletin of the National Engineering Academy of the Republic of Kazakhstan. ISSN 2709-4707, № 4 (78) – 2020. P.94-99
21	Kintonova A.Zh., Umbetali E., Nazyrova A., Konyrkhanova. A.	Online learning web application design and development technologies	Bulletin of the National Engineering Academy of the Republic of Kazakhstan. ISSN 2709-4707, № 1(79) – 2021. P.40-47
<i>Total: 21</i>			

c) in journals of the Republic of Kazakhstan that are not included in the list of KKSON MES RK

№ p / n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
1	Takuadina A., Kintonova A.Zh.	Application of information modeling system of tuberculosis epidemic on the example of Karaganda region	Bulletin of the National Engineering Academy of the Republic of Kazakhstan. International Scientific and Technical Journal. № 4 (78). –Almaty. 2020 - P.94-99
2	Kintonova A.Zh., Umbetali E., Nazyrova A., Konyrkhanova. A.	Online learning web application design and development technologies	Bulletin of the National Engineering Academy of the Republic of Kazakhstan. International Scientific and Technical Journal. № 1(79). - Almaty. 2021 - P.40-47
3	Ospanova A. B.	Methods of protecting script codes in the application	Scientific and pedagogical journal (supplement of the International Scientific and Pedagogical Journal "Higher School of Kazakhstan"), 2020, No. 1, pp. 242-246. ISSN 2413-5488
4	Ospanova A. B.	Protection of software code using WEB-application	Scientific and pedagogical journal (supplement of the International Scientific and Pedagogical Journal "Higher School of Kazakhstan"), 2020, No. 1, pp. 292-296. ISSN 2413-5488
5	Shakhmetova G.B., Saukhanova Zh.S., Sharipbay A.A., Ulyukova G.B.	Use of reversible finite state machines in asymmetric cryptosystems	Bulletin of the Almaty University of Power Engineering and Telecommunications.- No. 1 (48), 2020. - P. 118-123. ISSN 1999 - 9801
Total: 5			

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

№	FULL NAME. author(s)	Publication title	Name of the collection, year, p.
<i>Chair</i>			
1.	B. I. Tuleuov	About one experience of distance teaching at a university	Collection of works mezhd. scientific and practical work. Conf. "Distance Education: New Challenges on a Global Scale", September 16-17, 2020, Nur-Sultan, pp. 141-146
2.	Sharipbay A.A., Mukanova A.S., Ergesh B.Zh., Razakhova B.Sh., Elibaeva G.K	Chapter 1. Development of an ontological model of grammar of the Kazakh language.	Computational processing of the Kazakh language: a collection of scientific papers / edited by Rakhimova D.R. – Almaty: Kazakh University, 2020. – S. 6-32.
3.	Ergesh B.Zh., Sharipbay A.A., Bekmanova G.T	Models and methods of sentimental analysis of texts in the Kazakh language // Computational processing of the Kazakh language: a collection of scientific papers / edited by Rakhimova D.R.	Almaty: Kazakh University, 2020. – Chapter 5. – P.85-103. ISBN 978-601-04-4698-4.
4.	Nauryzbayev B.A., Akhmetova Zh.Zh.	Methodology of development of intelligent assistant	<i>Materials of the first international webinar</i> "Prospects for the development of science and education on the way to the formation of a research university: Modern views of young scientists and teachers", Issue No. 1, May 07-21, 2020, pp. 92-96
5.	Sharipbay A.A., Mukanova A.S., Ergesh B.Zh., Razakhova B.Sh., Elibaeva G.K.	Development of an ontological model of grammar of the Kazakh language//	Computational processing of the Kazakh language: a collection of scientific papers / edited by Rakhimova D.R. – Almaty: Kazakh University, 2020. – Chapter 1. – p.6-32. ISBN 978-601-04-4698-4.
6.	Ergesh B.Zh., Sharipbay A.A., Bekmanova G.T	Models and methods of sentimental analysis of texts in the Kazakh language // Computational processing of the Kazakh language: a collection of scientific papers / edited by Rakhimova D.R.	Almaty: Kazakh University, 2020. – Chapter 5. – P.85-103. ISBN 978-601-04-4698-4.

7.	Seilov Sh.Zh., Serik M., Satybaldina D.Zh., Davletova A.Kh.	Providing practice-oriented training in information and communication Technologies	Distance Education: New Challenges on a Global Scale: A Collection of Articles.Part 1. - Nur-Sultan, L.N. Gumilyov ENU 2020.- P. 252-257.
8.	Seilov Sh., Satybaldina D..	The use of the WEBEX system in the educational process. Faculty of Information Technologies of L. N. Gumilyov Eurasian National University: experience, key success factors.	Distance education during a pandemic: a collection of articles.- Nur-Sultan, L.N. Gumilyov ENU 2020.- P. 292-299.
9.	Kamanur U., Sharipbay A.A., Bekmanova G.T., Razakhova B.Sh.	Using Thot for Statistical Machine Translation	Materials of the IX International Scientific and Methodological Conference dedicated to the 75th anniversary of Professor E.Y. Bidaibekov and the 35th anniversary of school informatics in Almaty: Abai KazNPU, 2020. – Chapter 5. - S. 296-300. ISBN 978-601-298-715-7.
10.	Berdenkulov E., Akhmetova Zh.Zh.	Application of the webtutor system for complex automation of business processes in distance learning	Collection of materials of the XV International Scientific Conference of Students and Young Scientists "GYLYM JÁNE BILIM - 2020", 2020 - p. 400-405 ISBN 978-601-337-318-8
11.	Zeinullinov N.A., Akhmetova Zh.Zh.	Using the "Sitelang" class to develop a multilingual website	Collection of materials of the XV International Scientific Conference of Students and Young Scientists "GYLYM JÁNE BILIM - 2020", 2020 - P. 413-416 ISBN 978-601-337-318-8
12.	Akhmetova Zh.Zh., Seitenova Zh.A.	Use of vpn-technologies in the corporate educational network models and methods of creating an information security system	Collection of the V Republican Scientific and Practical Conference dedicated to the 175th anniversary of the Great Abay " Science and education: search, tasks, future ", 2020 .- P.113-116
13.	Kintonova A.Zh., Oshakbay D.	Methods of corporate information security	Collection of materials of the international Web-conference "Current state and prospects for the development of geoinformation technology in the Republic of Kazakhstan", Nur-Sultan, 2020 - P. 195-199

14.	Nurusheva A.M., Sagadat N.B, Satybaldina D.Zh., Nurushev M.Zh.	Development of criteria for assessing information security based on the research results of security operations centers activities of the Republic of Kazakhstan	TURK-COSE 2020: 2. International Turkic World Congress on Science and Engineering 14-15 November 2020, Nur-Sultan (Astana) - Kazakhstan, pp. 122-129
15.	Nurusheva A.M., Aigisin A.K., Ibrayev Y.M., Seilov S.Zh., Nurushev M.Zh.	Research of the information and communication infrastructure cyberprotection of the enterprise for the period of remote work (quarantine period)	TURK-COSE 2020: 2. International Turkic World Congress on Science and Engineering 14-15 November 2020, Nur-Sultan (Astana) - Kazakhstan, pp. 129-136
16.	Aktayeva A.U., Niyazova R.S., Muradilova G.S., Makatov E.K.	Ontological approach to the presentation of knowledge of manipulative influence on the mass consciousness of users of social networks.	MATERIALS of the international scientific and practical online conference "MODERN ENGINEERING INNOVATIONS AND TECHNOLOGIES" dedicated to the 30th anniversary of Independence of the Republic of Kazakhstan and World Engineering Day. Kokshetau, 2021. P.44-46. ISBN 978-601-261-475-6
17.	Kintonova A.Zh., Oshakbay D.	Corporate security methods Information.	National Defense University named after the first president of the Republic of Kazakhstan - Elbasy. Collection of materials of the International Scientific and Practical Web-Conference on the topic: "The current state and prospects for the development of geoinformation technology in the Republic of Kazakhstan". Nur-Sultan, 2020, p.195-199
18.	Ospanova A. B., Tuleuov B. I.	About one experience of distance teaching at a university	Collection of works mezhd. scientific and practical work. Conf. "Distance Education: New Challenges on a Global Scale", September 16-17, 2020, Nur-Sultan, pp. 141-146 / ISBN 978-601-337-389-8
19.	Azhibay E.B., Seksenbaeva A.K. (scientific director)	IS security analysis using SPLUNK	"Global Science and Innovation 2021: Central Asia" No 1 (12), 3 volume, p. 11-16.. February 2021- Nur-Sultan. Series "Technical Sciences" ISSN 2664-2271
20.	Saparbek S, Mukanova A	Organizational methods of information security	"Innovative Development of Modern Science and Education: Topical Issues, Achievements and Prospects: Collection of Materials of the International Scientific and Practical Conference of Students and Young Scientists / Almaty: Council of Young Scientists, 2021. 68-71 bb.
<i>Total:20</i>			

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

N o.	FULL NAME. author(s)	Publication title	Name of the collection, year, p.	A country
<i>Chair</i>				
1				
<i>Total:1</i>				
<i>Total by faculty:</i>				

2.9 Number of published monographs in the Republic of Kazakhstan (if available, 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 imprint of the publication, including UDC, ISBN / ISSN)

N o.	FULL NAME. author(s)	Publication title	Name of publication (with indication of the city), number of p.	The presence of a neck is indicated MES RK or ISBN
In Russian				
1				
<i>Total:</i>				
in Kazakh				
1				
<i>Total:</i>				
Total:				

2.9 Organization and holding of scientific events at the faculty/department:

2.9.1 International conferences

No.	Name	the date of the	Number of participants/incl. foreign
1			
<i>Total:</i>			

2.9.2 Republican conferences

No.	Name	the date of the	Number of participants/incl.

			foreign
1			
<i>Total:</i>			

2.9.3 International scientific forums, symposiums, seminars

No.	Name	the date of the	Number of participants/incl. foreign
1			
<i>Total:1</i>			

2.9.4 Summer (winter, spring) schools

No.	Name	the date of the	Number of participants/incl. foreign
1	“Modern pedagogical technologies and examples of their use for technical specialties”, organized by the Department of Artificial Intelligence Technologies. Speaker: Kintonova A.Zh.	December 24, 2021, at 12:00 pm online, on the Teams platform.	10
<i>Total:1</i>			

2.9.5 Scientific round tables

No.	Name	the date of the	Number of participants/incl. foreign
1	Scientific Seminar "Artificial Intelligence: Tasks, Solutions, Prospects"	12/21/2021	40/1
<i>Total:</i>			

2.10 Participation in the work of the editorial board of journals included in the Thomson Reuters, Scopus databases

No. p/n	Full name, account. degree, position	Journal title	Period
1			
<i>Total:</i>			

2.11 Participation in the work of the editorial board of journals that are not included in the ThomsonReuters, Scopus databases

No. p/n	Full name, account. degree, position	Journal title	Period
1			
<i>Total:</i>			

3. STUDENT R&D

3.1. The number of scientific publications of students in scientific journals included in the ThomsonReuters database (submit a "screenshot" from the database):

No. p/n	FULL NAME. author(s) (specify in English)	Publication title	Name of the journal, year, number, pages, ISSN	journal impact factor
<i>Chair</i>				
<i>Total:</i>				
<i>Total by faculty:</i>				

3.2 The number of scientific publications of students in scientific journals included in the Scopus database (provide a "screenshot" from the database):

No. p/n	FULL NAME. author(s) (specify in English)	Publication title	Name of the journal, year, number, pages, ISSN	journal impact factor
<i>Chair</i>				
<i>Total:</i>				
<i>Total by faculty:</i>				

3.3 The number of scientific publications of students in scientific journals, *not included in the database* Thomson Reuters and Scopus:

a) *in foreign journals (RSCI, etc.)*

No. p/n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
<i>Total:</i>			
<i>Total by faculty:</i>			

b) in the journals of the Republic of Kazakhstan, included in the list of KKSON MES RK

No. p/n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Total: 1</i>			
<i>Total by faculty:</i>			

c) in journals of the Republic of Kazakhstan that are not included in the list of KKSON MES RK

No. p/n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
<i>Total:</i>			
<i>Total by faculty:</i>			

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

№	FULL NAME. author(s)	Publication title	Collection title, year, number, pages, ISSN
<i>Chair</i>			
1.	Kali Aitkhanym Erikkyzy, Supervisor: Ospanova A.B.	Modern cloud computing standards and services	XVI International Scientific Conference "GYLYM JÁNE BILIM - 2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU, 12.04.2021. Nur-Sultan, Kazakhstan - <i>accepted for publication</i>
2	Marzhan Nurgalikyzy, Scientific Adviser: Ospanova A.B.	Modern cloud computing standards and services	XVI International Scientific Conference "GYLYM JÁNE BILIM - 2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU, 12.04.2021. Nur-Sultan, Kazakhstan - <i>accepted for publication</i>
3	Ruslan Makhanbet, Scientific Adviser: Ospanova A.B.	Advanced administration of windows operating systems based on open source utilities	XVI International Scientific Conference "GYLYM JÁNE BILIM - 2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU, 12.04.2021. Nur-Sultan, Kazakhstan - <i>accepted for publication</i>
4	Gabitova Albina Bauyrzhankyzy, Scientific adviser: Sagindykov K.M.	Security measures in cloud computing	XVI International Scientific Conference "GYLYM JÁNE BILIM - 2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU, 12.04.2021. Nur-Sultan, Kazakhstan - <i>accepted for publication</i>

5	Mukhamadiev Madiyar Galeluly Scientific adviser: Sagindykov K.M.	Use of digital forensics framework in computer incident investigation	XVI International Scientific Conference "ǴYLYM JÁNE BILIM - 2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU, 12.04.2021. Nur- Sultan, Kazakhstan - <i>accepted for publication</i>
6	Rakhymzhanova Ainur Galymkyzy Scientific adviser: Sagindykov K.M.	Web application vulnerability detection and remediation tools	XVI International Scientific Conference "ǴYLYM JÁNE BILIM - 2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU, 12.04.2021. Nur- Sultan, Kazakhstan - <i>accepted for publication</i>
7	Seydulla Kymbat Darkhankyzy Scientific adviser: Sagindykov K.M.	"Vulnerabilities of programs in C++"	XVI International Scientific Conference "ǴYLYM JÁNE BILIM - 2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU, 12.04.2021. Nur- Sultan, Kazakhstan - <i>accepted for publication</i>
8	Myrzakul Zhansaya Nurmatullakzy Scientific adviser: Razakhova B.Sh.	Client-server Web technologies	Republican student scientific online conference "The contribution of youth science to the implementation of the Strategy "Kazakhstan-2050", dedicated to the 30th anniversary of independence of the Republic of Kazakhstan. April 8-9, 2021 KTU, Karaganda
9	Myrzakul Zhansaya Nurmatullakzy Supervisor: Razakhova B.Sh.	Security of wireless networks and connections to them	"YDF-2021 Digital Forums" was held on the 2nd edition of the Halykaralyk Student Conference. International Journal of Information and Communication Technology, March 2021. p. 147-153 ISSN 2708-2040
10	Myrzakul Zhansaya Nurmatullakzy Supervisor: Tokkulieva A.K.	Cyber security of smart home devices	"YDF-2021 Digital Forums" was held on the 2nd edition of the Halykaralyk Student Conference. International Journal of Information and Communication Technology, March 2021. p. 141-147 ISSN 2708-2040
11	Myrzakul Zhansaya, Scientific adviser: Tokkulieva A.K.		XXIV Republican Scientific Conference of Students "Mangilik El Zhastary- Tauelsizdik Kepili". South Kazakhstan University named after M. Auezov

Total: 11
Total by faculty:

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

№	FULL NAME. author(s)	Publication title	Collection title, year, number, pages, ISSN	A country
<i>Chair</i>				
1	Oralbaev E, A. Kudubaeva S.A.	Botnet Association. Forcing with a botnet.	Publishing house "Society of Science and Creativity" "Issues of productive interaction in the process of knowledge exchange" (Russia, Kazan 26.02.2021), ISBN 978-5-6044999-7-9 UDC 001.1 BBK 72, p. 322	Russia
2	Oralbaev E, A. Kudubaeva S.A.	Detection of botnet ddos attacks in iot access networks	Publishing house "International Center for Scientific Cooperation "Science and Enlightenment" "Topical issues of modern science and education" (Russia, Penza 05.05.2021), ISBN 978-5-00159-834-3 UDC 001.1 BBK 60, p. 190	Russia
3	Sailaukhanov E. E.	Risk management methods	Collection of scientific papers "Exchange of knowledge in the educational process" Materials of the International Scientific and Practical Events of the Society of Science and Creativity (Kazan) for March 2021. ISBN 978-5-6044999-8-6 UDC 001.1 BBK 72	Russia
4	Sailaukhanov E. E.	Object-oriented data storage	Scientific and practical research ISSN 2541-9528	Russia

Total:4				
<i>Total by faculty:</i>				

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):

No.	FULL NAME. student	Chair	group number , course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Location	Mobile phone	Email	Link to the organizer's website
1.									
<i>Total:1</i>									

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. student	Chair	group number , course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Location	Mobile phone	Email	Link to the organizer's website
1.									
<i>Total:</i>									

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

No.	FULL NAME. student	Chair	group number , course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Location	Mobile phone	Email	Link to the organizer's website

1									
<i>Total:</i>									

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	The results of the work of the SNO in accordance with the work plan

3.10 Information about the work of student circles

No.	Name of the student circle	Number of participants	Achievements

4. R&D of MASTER STUDENTS

4.1 The number of scientific publications of undergraduates in scientific journals included in the ThomsonReuters database (submit a “screenshot” from the database)

No. p/n	FULL NAME. author(s) (specify in English)	Publication title	Name of the journal, year, number, pages, ISSN	journal impact factor
<i>Chair</i>				
<i>Total:</i>				
<i>Total by faculty:</i>				

4.2 The number of scientific publications of undergraduates in scientific journals included in the Scopus database (submit a “screenshot” from the database)

No. p/n	FULL NAME. author(s) (specify in English)	Publication title	Name of the journal, year, number, pages, ISSN	Journal Impact Factor (SJR)
<i>Chair</i>				
<i>Total:</i>				
<i>Total by faculty:</i>				

4.3 Number of scientific publications of undergraduates in scientific journals *not included in the database* Thomson Reuters and Scopus:

a) in foreign journals (RSCI, etc.)

№ p / n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
1	Kintonova A.Zh., Rakisheva K.K.	Technologies for the implementation of online learning	Student Bulletin: electron. Scientific. Journ. 2021. № 1(146). Available at: https://studvestnik.ru/journal/stud/herald/146 (accessed: 09.01.2021).
2	Kintonova A.Zh., Oshakbay D.	Information Security Models	Research solutions of modern Russia in times of crisis. XXVI All-Russian Scientific and Practical Conference, Izd. LLC "Priority", Together with the Southern University (IUBIP), ISBN 978_5_6043010_7_4, 2020, pp. 56 -59
3	Makhambet Nursultan Nurlanuly Akhmetova Zhanar Zhumanovna	Telecommuting during a pandemic: Cybersecurity issues	"Student Bulletin": scientific journal. – № 5(150). Part 4. Moscow, Izd. Internauka, 2021. – 60 p. – Electron. Version. Pecs. Publish. – https://studvestnik.ru/journal/stud/herald/150 , ISSN 2686-9810, P.15-18
4	Makhambet Nursultan Nurlanuly Akhmetova Zhanar Zhumanovna	Information security of modern medical devices	"Student Bulletin": scientific journal. – № 12(157). Part 5. Moscow, Izd. Internauka, 2021. – 108 p. – Electron. Version. Pecs. Publish. – https://studvestnik.ru/journal/stud/herald/157 , ISSN 2686-9810, P.66-69
5	Bubeneeva Dana Klyshbaevna, 2nd year master's student Scientific adviser - Akhmetova Zh.Zh.	Use of cryptographic protection methods in information systems	International scientific journal "Young Scientist". № 35 (325) . August 2020, ISSN 2072-0297, p.226-229

6	Onalov N.A., Saukhanova Zh.S.	Threats to the information security of the oracle database and possible protection measures	Engineering and Information Technology, Economics and management in industry. Collection of scientific articles based on the results of the second international scientific conference, Volgograd Publishing House: Envelope LLC, ISBN 978-5-6045833-2-6, 2020, pp. 265-268.
7	Aydynov T.	Traffic monitoring system "ALARM"	"Internauka" journals, No. 11, 2021, Moscow, 68-70 better, ISSN-2687-0142
8	Aydynov T.	Data protection in the traffic monitoring system "ALARM"	"Young Scientist" Journals, No. 13, 2021, Moscow, 21-24 better, ISSN-2072-0297
9	Saparbek S, Mukanova A	Encryption according to the gamut method.	"Actual scientific research in the modern world" journals, 2021, 3(71) pages, 8 pages, 75-80 bb
10	Satybaldieva D., Mukanova A	Research methods and algorithms for detecting online cyberbullying	Young scientist. — 2020. — № 48 (338). — P. 631-636.
11	Nurdanbek M., Mukanova A.	The basis for creating a thesaurus in the field of information security	Internauka LLC, Internauka Journal, No. 4 (180), 2021, No. FS77-66291, page 3, 61-63 pages
Total: 11			
<i>Total by faculty:</i>			

b) in the journals of the Republic of Kazakhstan, included in the list of KKSON MES RK

No. p/n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
1	Kintonova A.Zh., Umbetali E., Nazyrova A., Konyrkhanova. A.	Online learning web application design and development technologies	Bulletin of the National Engineering Academy of the Republic of Kazakhstan. ISSN 2709-4707, № 1(79) – 2021. P.40-47
2	Khairol Almas	Methods of information security risk management and assessment	Journal of Pedagogy, No. 1, 2021, Almaty, p 235-242 , ISSN-1560-1730.
<i>Total:2</i>			
<i>Total by faculty:</i>			

c) in journals of the Republic of Kazakhstan that are not included in the list of KKSON MES RK

No. p/n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
1	Bubeneeva Dana Klyshbaevna, 2nd year master's student Scientific adviser - Akhmetova Zh.Zh.	Methods and means of cryptographic protection of information in information systems	International scientific and methodological Journal "GLOBAL SCIENCE AND INNOVATIONS 2021: CENTRAL ASIA», № 1(12). Technical Sciences Series, Volume I, Nur-Sultan – 2021, pp. 165-171
<i>Total:1</i>			
<i>Total by faculty:</i>			

4.4 The number of scientific publications of undergraduates in the collections of conferences held in the Republic of Kazakhstan:

№	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
1	Nurusheva A.M., Sagadat N.B, Satybalдина D.Zh.,	Development of criteria for assessing information security based on the research results of security operations centers activities of the Republic of	TURK-COSE 2020: 2. International Turkic World Congress on Science and Engineering 14-15 November 2020, Nur-Sultan (Astana) - Kazakhstan, pp. 122-129

	Nurushev M.Zh.	Kazakhstan	
2	Nurusheva A.M., Aigisin A.K., Ibrayev Y.M., Seilov S.Zh., Nurushev M.Zh.	Research of the information and communication infrastructure cyberprotection of the enterprise for the period of remote work (quarantine period)	TURK-COSE 2020: 2. International Turkic World Congress on Science and Engineering 14-15 November 2020, Nur-Sultan (Astana) - Kazakhstan, pp. 129-136.
3	Sagadat N.B.	Assessment of the security level information and communication infrastructure of the transport industry enterprise	Young Researcher: Challenges and Prospects: Collection of Articles Based on the Materials of the CCXII International Scientific and Practical Conference "Young Researcher: Challenges and Prospects". – № 17(212). – M., Izd. Internauka, 2021, pp. 374-379, ISSN 2415-8771
4	Karzhauova Gulzat Aidarkhanovna, 1st year student	Advanced administration of windows operating systems based on open source utilities	"GYLYM JÁNE BILIM- 2021" - accepted for publication
5	Mombay Nurzhigit, 2nd year student		"GYLYM JÁNE BILIM- 2021" - accepted for publication
6	Kumargaliev Eldar Gabituly, 2nd year student	Study of methods of ensuring information security in 4G LTE mobile networks	"Global Science and Innovation 2021: Central Asia", No. 1(12). series "technical sciences" – Nur-Sultan, 2021.– P. 3-7
7	Bilal Turar Bakhytzhanyly, 2nd year student Scientific adviser - Akhmetova Zh.Zh.	Modern methods of combating spam	"Science and Education in the Modern World: Challenges of the XXI Century": VII International Scientific and Practical Conference, Nur-Sultan, October- 2020, pp. 60-65

8	Kayyrbek Ayganim Kayyrbekkyzy, 2nd year student Scientific adviser - Akhmetova Zh.Zh.	Investigating Database Vulnerabilities from SQL Injection Using the WEBGOAT Web Application	"Science and Education in the Modern World: Challenges of the XXI Century": VII International Scientific and Practical Conference, Nur-Sultan, October-2020, p.74-77
9	Kurban Zhandos Tagaybekuly, 2nd course Scientific adviser - Akhmetova Zh.Zh.	Classic and innovative approaches to software attack protection	"Science and Education in the Modern World: Challenges of the XXI Century": VII International Scientific and Practical Conference, Nur-Sultan, October-2020, p.128-133
10	Kulmahan Darkhan, 2nd year student Scientific adviser - Saukhanova Zh.S.	Work with providers of cryptographic services on the JAVA platform	XVI International Scientific Conference "ǴYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. ENU. Accepted for printing
11	Sultan Aiken, 2nd course Scientific adviser - Saukhanova Zh.S.	Practical analysis of malicious software content	XVI International Scientific Conference "ǴYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. ENU. Accepted for printing

12	Kurban Zh., Akhmetova Zh.Zh.	Protection against reverse engineering of commercial software piracy	III INTERNATIONAL SCIENTIFIC AND PRACTICAL online CONFERENCE "Energy and Resource-Saving Technologies: Experiments and Prospects", Kyzylorda - 2021, ISBN 978-601-276-845-9, p.366-371
13	Kayyrbek A.K., Akhmetova Zh.Zh.	SQL Injection Attacks: Detection and Prevention Techniques	III INTERNATIONAL SCIENTIFIC AND PRACTICAL online CONFERENCE "Energy and Resource-Saving Technologies: Experiments and Prospects", Kyzylorda - 2021, ISBN 978-601-276-845-9, p.389-396
14	Kerim Birzhan	Statistical analysis of the Kazakh language in the problems of cryptographic analysis	"Energy and Resource-Saving Technologies: Experiments and Prospects" III International Scientific and Practical Online Conference – Kyzylorda, 2021.– P. 345-350
15	Amanbaeva Aizhan Zhanatovna Razakhova B.Sh. (scientific director)	Security of cloud services	XVI International Scientific Conference "ЃYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. ENU.
16	Kamken Aldas Aybasuly Razakhova B.Sh.	Legal protection of minors from information spread on the Internet that harms their health and development	XVI International Scientific Conference "ЃYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. ENU.

	(scientific director)		
17	Kusayn Markhabat	The impact of information overload on today's world: extracting useful information from unstructured data	2nd International Student Scientific and Practical Conference "YDF-2021 Youth Digital Forum".
18	Onalov Nurzhigit 1st course Scientific adviser - Saukhanova Zh.S	USING ORACLE RMAN TECHNOLOGY TO BUILD SECURE JAVA APPLICATIONS	XVI International Scientific Conference "ĠYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. ENU. Accepted for printing
19	Sheri M.	The impact of the DNS Over yttps protocol on network information security	II International Book Edition of the Commonwealth of Independent States "BEST YOUNG SCIENTIST -2020". – Nur-Sultan, 2021. – P. 5-6
20	Sheri M.	Installation and configuration of the intrusion detection system on the CENTOS server	Innovative approaches in modern science. Based on the materials of the LXXXIX International. Scientific-Practical Conf. –No 5(89). – M., Izd. Internauka, 2021. – P. 79-84

21	Kalibekova A.	Security mechanisms that ensure the preservation of server databases in the Lotus Domino application environment	LLC "Actual scientific research in the modern world" No. 12 (68), ISSN 2524-0986
22	Kalibekova A.	Password and spam policy in Domino-7 environment	"Young Scientist" International Scientific Journal No. 14 (356) / 2021, ISSN 2072-0297
23	Saparbek S, Mukanova A	Organizational methods of information security	"Innovative Development of Modern Science and Education: Topical Issues, Achievements and Prospects: Collection of Materials of the International Scientific and Practical Conference of Students and Young Scientists / Almaty: Council of Young Scientists, 2021. P 68-71 .
Total:23			
<i>Total by faculty:</i>			

4.5 The number of scientific publications of undergraduates in the collections of conferences held abroad

№	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN	A country
<i>Chair</i>				
1	Zhakhangirov Aibek, 1st year student	Intellectual analysis of Kazakh texts to create an annotation	"Internauka" No17 (193), 09.05.2021	Moscow
2	Aizhan Magroeva, 1st year student	Development of a knowledge base for small businesses	"Internauka" No17 (193), 09.05.2021	Moscow

3	Khairol Almas, 2nd year student	Analysis of international documents on information security risk management	"Internauka" journals, No. 18, 2021, Moscow, p 76-79 , ISSN-2687-0142	Moscow
4	Aydingaliev Alisher, 2nd year student	Methods of diagnosing diseases using expert systems	"Internauka" journals, No. 13(189), 2021, 3rd edition, p 11-13 , ISSN: 2687-0142.	
3	Muhammedrakym M., 1st year student	Mobile devices and portative classroom based on Raspberry Pi computers	XII National conference with international participation "ELECTRONICA 2021", 27-28 May, 2021, Sofia (in press)	Bulgaria
4	Karzhuova G., 1st year student	Advanced Administration of Windows Based on Open Source Utilities	WCE 2021: London, U.K., 7-9 July, 2021 (accepted)	England
5	Kumargaliev Eldar Gabituly, 2nd year student	Prevent desynchronization in 4G LTE networks using a dual authentication scheme	XXXIV International Scientific and Practical Conference "Eurasiascience - 2020" - Moscow, 2020.- P. 70-74	Russia
6	Tabesh shyrailim Kudubaeva S.A. (scientific director)	Study of information security methods in the electronic sales system	International Scientific and Practical Conference "Prospects for the Development of Science and Education", Neftekamsk) 31 March 2021	(Republic of Bashkortostan, Russian Federation
7	Tabesh shyrailim Kudubaeva S.A. (scientific director)	Study of information security methods	Internauka Publishing House, in the journal "Student Bulletin" on May 26, 2021.	Russia
8	Zhumatai Sher Khan Scientific adviser Saukhanova Zh.S.	Overview of java programming language security tools	Young researcher: challenges and prospects. Based on the materials of the cxi International Scientific and Practical Conference "Young Researcher: Challenges and Prospects". – №	Russia

			16(211). – M., ed. Internauka, 2021.	
9	Tungishbayev talgat Scientific adviser Saukhanova Zh.S.	"Monitoring the security and fault tolerance of enterprise network devices using the zabbix system"	Young researcher: challenges and prospects. Based on the materials of the ccxi International Scientific and Practical Conference "Young Researcher: Challenges and Prospects". – № 16(211). – M., ed. Internauka, 2021.	Russia
Total:9				
<i>Total by faculty:</i>				

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. undergraduate	Chair	group number , course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Location	Mobile phone	Email	Link to the organizer's website
1									
<i>Total:</i>									

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. undergraduate	Chair	group number , course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Location	Mobile phone	Email	Link to the organizer's website
1									
2									

<i>Total:2</i>	
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4.8 List of undergraduates who received prizes (I, II, III) in various competitions, exhibitions, conferences abroad (except for the CIS) (submit supporting documents in electronic form):

№	FULL NAME. undergraduate	group number, course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Venue	Type of award
Chair						
1.	Asylzhan Svanov, Master's student Scientific adviser: Kintonova A.Zh.	1 course, 7M06109 "Administrator for the management and protection of computer systems and networks in enterprises"	28.02.21g	Republican competition of research	1st place	Diploma
2	Karzhauova Gulzat	7M06109 1st course	12.04.2021, 1st place	XVI International Scientific Conference "ǴYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU	L. N. Gumilyov ENU	Diploma
3	Karzhauova Gulzat	7M06109 1st course	03.03.2021, 3rd place	International Competition of scientific works and creative projects of students and	KU named after E. A. Buketov	Diploma

				undergraduate on the use of ICT		
4	Mombay N.	MTIB-1, 2nd year student	03.03.2021, 1st place	International Competition of scientific works and creative projects of students and undergraduate on the use of ICT	KU named after E. A. Buketov	Diploma
5	Mombay N.	MTIB-1, 2nd year student	April, 2021, Diploma of the 2nd degree	Republican competition of research work	AUPET is the basic university of the 2nd stage of the competition	Diploma of the Ministry, Diploma signed by the Minister of Education and Science of the Republic of Kazakhstan
6	Kulmahan Darkhan	2nd year, Computer Science	12.04.2021, 2nd place	XVI International Scientific Conference "ǴYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU	L. N. Gumilyov ENU	Diploma
7	Amanbaeva Aizhan Zhanatovna Razakhova B.Sh. (scientific	MTIB, 2nd year, 3rd place	12 April 2021	XVI International Scientific Conference "ǴYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. ENU.	L. N. Gumilyov ENU	Diploma

	director)					
Total: 7						

5. Research of doctoral students

5.1 Number of scientific publications of doctoral students in scientific journals included in the ThomsonReuters database (provide a “screenshot” from the database)

No. p/n	FULL NAME. author(s) (specify in English)	Publication title	Name of the journal, year, number, pages, ISSN	journal impact factor
<i>Chair</i>				
<i>Total:</i>				
<i>Total by faculty:</i>				

5.2 The number of scientific publications of doctoral students in scientific journals included in the Scopus database (submit a “screenshot” from the database)

№ p / n	FULL NAME. author(s) (specify in English)	Publication title	Name of the journal, year, number, pages, ISSN	Journal Impact Factor (SJR)
<i>Chair</i>				
1	Gulzira, M., Gulmira, B. , Altynbek, S. , Assel, O.	The audit method of enterprise's Information security	ICEMIS'20: The 6th International Conference on Engineering & MIS 2020, 10.1145/3410352.3410761	0.182
2	Yelibayeva G.,	Applied Ontology for the Automatic Classification of Simple Sentences of	Proceedings of International Conference on Computer Science and. Engineering (UBMK). – Turkey, 2020. - pp.	

	Mukanova A., Sharipbay A., Razakhova B.	the Kazakh Language	13-18. DOI: 10.1109/UBMK50275.2020.9219461	
3	Rysbek B. Baimakhan, Zhanar B. Kadirova, Assima A. Seinassinova, Aigerim R. Baimakhan, Gulzhan M. Baimakhanova	Calculation model of the “building- foundation” system on anisotropic base and deformation calculations	Engineering and Natural Sciences, ISSN 2303-4521, Vol. 9, No. 1, February 2021, pp.308-321	
<i>Total:3</i>				
<i>Total by faculty:</i>				

5.3 Number of scientific publications of doctoral students in scientific journals *not included in the bases Thomson Reuters and Scopus:*

a) in foreign journals (RSCI, etc.)

No p / n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
1	Kintonova A.Zh., Povkhan I.F., Sabitov A.	Adaptive distance learning systems.	"Global Science and Innovation 2020: Central Asia" No. 6(11). December 2020 Series "Technical Sciences", pp. 46-48, ISSN 2664-2271
2	Kintonova A.Zh., Povkhan I.F., Sabitov A.	Data Mining Algorithms	"Global Science and Innovation 2020: Central Asia" No. 6(11). December 2020 Technical Sciences Series, pp. 48-51, ISSN 2664-2271

3	Kintonova A.Zh., Sabitov A.	Application of e-learning standards in the design of an online course	Proceedings of the VI International Scientific and Practical Conference. In 2 parts. 2020, Publisher: Southern University (IUBiP), VVM Publishing House, Modern concepts and paradigms of education in the context of the global epidemiological crisis Rostov-on-Don, December 29, 2020, ISBN 78_5_6043010_6_7, UDC: 004.4
4	Kintonova A.Zh., Rakisheva K.K.	Technologies for the implementation of online learning	Student Bulletin: electron. Scientific. Journ. 2021. № 1(146). Available at: https://studvestnik.ru/journal/stud/herald/146 (accessed: 09.01.2021).
5	Kudubaeva S. A Amangeldy N- doctoral student, .	Kazakh sign language recognition system based on the Bernsen method and morphological structuring. –	WOUNDS. Scientific journal. Speech Technologies -2020 No 4. pp. 3-16.
<i>Total: 5</i>			
<i>Total by faculty:</i>			

b) in the journals of the Republic of Kazakhstan, included in the list of KKSON MES RK

№ p / n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
2	Kudubaeva S. A., Amangeldy N	IDENTIFICATION OF CONNECTED REGIONS AND CORRELATION METHODS OF WORD REGISTRATION RECOGNITION IN THE KAZZAK SIGN LANGUAGE.	KazUTU khabarshysy. No. 5, 2020, 172 pages, ISSN 1680-9211
2	Kudubaeva S. A., Amangeldy N	OVERVIEW OF THE SUBJECT AREA OF KAZAKH SIGN LANGUAGE RECOGNITION REPORT. ACCOUNTING	KazUTU khabarshysy. No. 5,2020, 177 beta, ISSN 1680-9211

Total: 2

c) in journals of the Republic of Kazakhstan that are not included in the list of KKSON MES RK

No. p/n	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
<i>Total:1</i>			
<i>Total by faculty:</i>			

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

№	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN
<i>Chair</i>			
1	Kusepova L.	Advanced administration of windows operating systems based on open source utilities	"GYLYM JÁNE BILIM- 2021" - accepted for publication
2	Kusepova L.	At the same time, there is a lot of standard and service that can be used	"GYLYM JÁNE BILIM- 2021" - accepted for publication
3	Sadvakasov R, Sharipbay A.	On modern approaches to modeling human behavior in critical situations	The XVI International Scientific Conference of Students and Young Scientists "GYLYM JÁNE BILIM - 2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU, has been accepted for publication
4	Abdiraman A.S.	Analysis of methods for assessing the level of information security of information systems	International Journal of Information and Communication Technology, Special Issue, March, YDF-2021, ISSN 2708-2032, pp. 159-163

<i>Total: 4</i>			
<i>Total by faculty:</i>			

5.5 Number of scientific publications of doctoral students in conference proceedings abroad

№	FULL NAME. author(s)	Publication title	Name of the journal, year, number, pages, ISSN	A country
<i>Chair</i>				
1	Kusepova L.	Mobile devices and portative classroom based on Raspberry Pi computers	XII National conference with international participation "ELECTRONICA 2021", 27-28 May, 2021, Sofia (in press)	Bulgaria
2	Kusepova L.	Advanced Administration of Windows Based on Open Source Utilities	WCE 2021: London, U.K., 7-9 July, 2021 (accepted)	England
3	Gaziza Yelibayeva, Altynbek Sharipbay, Gulmira Bekmanova, Assel Omarbekova	Ontology-Based Extraction of Kazakh Language Word Combinations in Natural Language Processing	International Conference on Data Science, E-learning and Information Systems, Ma'an Jordan 5-7 April 2021, ISBN:978-1-4503-8838-2 Pages 58–59	Jordan
4	Ayzhan Nazyrova, Gulmira Bekmanova, Zulfiya Kaderkeyeva	Ontological model of intelligent e-learning system.	The 2020 International Conference on Computational Intelligence, Information Technology and Systems Research, December 17-20, 2020	
<i>Total: 4</i>				

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):

№	FULL NAME. doctoral student	group number , course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Venue	Type of award
1.	Kusepova L.	Doctor 1 course	12.04.2021, 1st place	XVI International Scientific Conference "ǴYLYM JÁNE BILIM-2021", dedicated to the 25th anniversary of L.N. Gumilyov ENU	L. N. Gumilyov ENU	Diploma
2	Elibaeva G.K.	Doctoral student, 3rd year student	14.04.2021 diploma	"The best research work of doctoral students" in honor of the 25th anniversary of the L.N. Gumilyov Eurasian National University	L. N. Gumilyov ENU	Diploma
3	Kaderkeeva Z.K.	Doctoral student, 3rd year student	14.04.2021 diploma	"The best research work of doctoral students" in honor of the 25th anniversary of the L.N. Gumilyov Eurasian National University	L. N. Gumilyov ENU	Diploma
Total: 3						

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	Chair	group number , course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Location	Mobile phone	Email	Link to the organizer's website
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1									
<i>Total:1</i>									

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

No	FULL NAME. doctoral student	Chair	group number , course	Date of receipt of the award, diploma; indicate the prize	Name conferences	Location	Mobile phone	Email	Link to the organizer's website
1									
<i>Total:</i>									

6. INTERNATIONAL SCIENTIFIC COOPERATION

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

№	Name	Date of the event	Number of participants/including foreign ones
1	EDUCATIONAL-METHODICAL SEMINAR: "STEM education and methods of conducting practical classes" Topic of the report: "Tools for creating video fragments of the lesson" speaker: Kintonova A.Zh.	12.01.2021. Time 14.00 (Nur-Sultan), online, on the Webex platform.	Participants: 1) L.N. Gumilyov Eurasian National University, 2) Belgorod State National Research University, 3) South Kazakhstan State University named after M. Auezov, 4) East Kazakhstan University named after S. Amanzholov
<i>Total:1</i>			

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

No	Full name of the visiting professor	Organization/country of visiting professor	Name of scientific event	Periods of stay
1	Raimundas Matulevičius	PhD, Professor at the University of Tartu (Estonia)	Information Security Management System Design/Data Analysis for Cybersecurity Purposes	04.02.2021 - 04.05.2021
2	Likhachevsky Dmitry Viktorovich	Ph.D., Associate Professor, Dean of the Faculty of Computer Aided Design of the Belarusian State University of Informatics and Radioelectronics (Belarus)	Research Methods/Software Technology Selection	04.02.2021 - 04.05.2021
Total: 2				

7. ANALYSIS OF R&D OF THE FACULTY (results of the work of the faculties / department, comparison with the previous year)

No.	Indicators	Reporting year 2021
	Scientific publications in international scientific journals ThomsonReuters (submit a "screenshot" from the database):	2
	Scientific publications in international scientific journals Scopus (submit a "screenshot" from the database):	13
	<i>Publications in journals not included in the database Thomson Reuters and Scopus</i>	17
	<i>a) in foreign journals (RSCI, etc.)</i>	21
	<i>b) in the journals of the Republic of Kazakhstan, included in the list of KKSON MES RK</i>	5
	<i>c) in journals of the Republic of Kazakhstan that are not included in the list of KKSON MES RK</i>	
	Scientific publications in the collections of conferences held in the Republic of Kazakhstan:	20
	Scientific publications in scientific conferences, symposiums, seminars abroad:	4

	Organization and holding Department of Scientific and Pedagogical events: conferences, seminars	
	List of students who received prizes (I, II, III) in various competitions, exhibitions, conferences in the Republic of Kazakhstan	
	List of students who received prizes (I, II, III) in various competitions, exhibitions, conferences abroad	
\	Number of scientific publications of STUDENTS in scientific journals <i>b) in the journals of the Republic of Kazakhstan, included in the list of KKSON MES RK</i> The number of scientific publications of students in the collections of conferences held in the Republic of Kazakhstan	11 4
	Number of scientific publications of undergraduates in scientific journals <i>not included in the database</i> Thomson Reuters and Scopus: <i>a) in foreign journals (RSCI, etc.)</i> MASTER STUDENTS	11
	<i>in the journals of the Republic of Kazakhstan, included in the list of KKSON MES RK</i> MASTER STUDENTS	2
	<i>in journals of the Republic of Kazakhstan that are not included in the list of KKSON MES RK</i> MASTER STUDENTS	1
	The number of scientific publications of undergraduates in the collections of conferences held in the Republic of Kazakhstan: MASTER STUDENTS	23
	The number of scientific publications of undergraduates in the collections of conferences held abroad MASTER STUDENTS	9
	List of undergraduates who received prizes (I, II, III) in various competitions, exhibitions, conferences in the CIS	7
	The number of scientific publications of doctoral students in scientific journals included in the Scopus database (submit a “screenshot” from the database)	3
	Number of scientific publications of doctoral students in scientific journals <i>not included in the bases</i> Thomson Reuters and Scopus: <i>a) in foreign journals (RSCI, etc.)</i> DOCTORAL STUDENTS	5

	<i>in journals of the Republic of Kazakhstan that are not included in the list of KKSON MES RK</i> DOCTORAL STUDENTS	4
	List of doctoral students who received prizes (I, II, III) in various competitions, exhibitions, conferences in the Republic of Kazakhstan (<i>submit supporting documents in electronic form</i>):	3
	Invited foreign professors to participate in scientific events (conferences, summer schools)	2

8. PROSPECTS FOR THE DEVELOPMENT OF SCIENTIFIC ACTIVITY(problems, ways of development of R&D and proposals for further improvement of scientific activity).

Overall, 1H 2022 performance is better than 1H 2021 performance

The department plans in the next academic year to improve performance in all respects of the department's research and development, as well as to improve the participation of students, undergraduates and doctoral students in republican and foreign conferences, in olympiads and competitions of scientific projects; to continue work on the participation of teaching staff in events held by the faculty and the university.

Responsible for research and development of the department

Agreed

Department head "Technologies of artificial intelligence" _____

_____ **Kintonova A.Zh.**

_____ **Razakhova B.Sh.**