



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

on the results of the work of the external expert commission on the assessment of compliance with the requirements of the standards of primary specialized accreditation of degree programs

6B07312 Land Cadastre and Land Management

7M11301 Organization of Road Freight, Traffic & Transport Operation

D. SERIBAYEV EAST KAZAKHSTAN TECHNICAL UNIVERSITY

April 25-27, 2023

**INDEPENDENT AGENCY FOR ACCREDITATION AND RATING**  
*External Expert Commission*

*Addressed to  
Accreditation  
Council of the IAAR*



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**(I) LIST OF DESIGNATIONS AND ABBREVIATIONS**

**AP** – Academic policy  
**AR** – Academic routine  
**ACS** – Anti-Corruption Standard  
**EKR** – East Kazakhstan region  
**EKTU** – East Kazakhstan Technical University  
**IRD** – Internal regulatory documents  
**EEC** – External Expert Commission  
**EPL** - Educational and Production Laboratory  
**SCSE** – State compulsory standard of education  
**DP** – Documented procedure  
**EHEA** – European Higher Education Area  
**ICT** – Information and communication technologies  
**IMS** – Integrated management system  
**IC** – Individual curriculum  
**CED** – Catalog of elective disciplines  
**MIA** – Ministry of Internal Affairs  
**MSHE** – Ministry of Science and Higher Education  
**IAAR** – Independent Agency for Accreditation and Rating  
**RW** – Research work  
**RLA** – Regulatory legal acts  
**EO** – Educational organization  
**DP** – Degree programs  
**R** – Regulation  
**TS** – Teaching staff  
**G** – Guide  
**RK** – Republic of Kazakhstan  
**WC** – Working curriculum  
**QMS** – Quality management system  
**IWS** – Independent work of students  
**LEB** - Local Executive Body



## **(II) INTRODUCTION**

In accordance with Order No. 39-23-ОД dated 02.24.2023 of the Independent Agency for Accreditation and Rating, from April 25 to 27, 2022, an external expert commission assessed the compliance of degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation of D. Serikbayev East Kazakhstan Technical University with the standards of primary specialized accreditation IAAR (dated May 25, 2018 No. 68-18/1-ОД, first edition) in a hybrid format.

The report of the external expert commission (EEC) contains an assessment of the submitted degree programs according to the criteria of the IAAR, recommendations of the EEC for further improvement of degree programs and parameters of the profile of degree programs.

### **Composition of the EEC:**

1. **Chairman of the EEC IAAR** – Tamyarov Andrey Valerievich, Candidate of Technical Sciences, Associate Professor, Ulyanovsk State Technical University; *Off-line participation*
2. **Foreign expert of IAAR** – Korolev Konstantin Yurievich, Candidate of Economics, Associate Professor, Russian Presidential Academy of National Economy and Public Administration (RANEPA); *On-line participation*
3. **Foreign expert of IAAR** – Voropaev Viktor Viktorovich, Candidate of Technical Sciences, Associate Professor, Yanka Kupala Grodno State University; *On-line participation*
4. **Foreign expert of IAAR** – Mammadova Leyla Vasif kyzy, Azerbaijan University of Architecture and Civil Engineering (Baku, Azerbaijan Republic); *On-line participation*
5. **IAAR expert** – Aikenova Dina Maratovna, PhD, Category II expert (Astana, Republic of Kazakhstan); *On-line participation*
6. **IAAR expert** – Abishev Medeu Yerzhanovich, Doctor of Physical and Mathematical Sciences, Professor, Al-Farabi Kazakh National University (Almaty, Republic of Kazakhstan); *Off-line participation*
7. **IAAR expert** – Kushebina Gulnara Malikovna, PhD in Economics, Esil University (Astana, Republic of Kazakhstan); *Off-line participation*
8. **IAAR expert** – Arzayeva Maiya Zhetkergenovna, PhD in Economics, Associate Professor, Kazakh National Agrarian Research University (Almaty, Republic of Kazakhstan); *On-line participation*
9. **IAAR expert** – Ualkhanov Baizhan Nurbayevich, Candidate of Technical Sciences, Professor, Innovative Eurasian University (Pavlodar, Republic of Kazakhstan); *Off-line participation*
10. **IAAR expert** – Mursalimova Elmira Askarovna, Candidate of Biological Sciences, Al-Farabi Kazakh National University (Almaty, Republic of Kazakhstan); *On-line participation*
11. **IAAR expert** – Jetpisbayeva Ainur Zhenisbekkyzy, PhD, K.I. Satpayev Kazakh National Research Technical University (Almaty, Republic of Kazakhstan); *On-line participation*
12. **IAAR expert** – Turtkarayeva Gulnara Bayanovna, Candidate of Psychological Sciences, Associate Professor, Sh. Ualikhanov Kokshetau University (Kokshetau, Republic of Kazakhstan); *Off-line participation*
13. **IAAR expert** – Korobkov Maxim Sergeevich, PhD, Gumarbek Daukeev Almaty University of Energy and Communications (Almaty, Republic of Kazakhstan); *Off-line participation*
14. **Employer-IAAR expert** – Pilipenko Yuri Alexandrovich, Chairman of the International Association of Manufacturers of Goods and Services "Expobest" (Almaty, Republic of Kazakhstan); *On-line participation*
15. **Employer-IAAR expert** – Pitrov Vladimir Yuryevich, Director of the Pavlodar regional branch of JSC "UAPF" (Pavlodar, Republic of Kazakhstan); *On-line participation*
16. **Student-expert of IAAR** – Jabiyeva Maya Rovshan kyzy, 4th year student of the

degree program 050813 Social Work of Baku State University (Baku, Azerbaijan Republic); *On-line participation*

17. **Student-expert of IAAR** – Abilova Indira Tolegenkyzy, 1st year student of the degree program 7M01511 Informatics of the L.N. Gumilyov Eurasian National University (Astana, Republic of Kazakhstan); *On-line participation*

18. **Student-expert of IAAR** – Sultan Nauryzbayev, 3rd year student of the degree program 6B04109 State Financial Management of Al-Farabi Kazakh National University, member of the Alliance of Students of Kazakhstan ASK (Almaty, Republic of Kazakhstan); *On-line participation*

19. **Student-expert of IAAR** – Makazhanov Timur Bolatovich, 1st year student of the degree program 7M07303 Cadastre of the Kazakh Agrotechnical University named after S. Seifullin (Astana, Republic of Kazakhstan); *On-line participation*

20. **Student-expert of IAAR** – Islyamgali Nursultan Arturuly, a student of the 1st year of the degree program 6B05101 Biology and Agriculture of Atyrau University named after H. Dosmukhamedova (Atyrau, Republic of Kazakhstan); *On-line participation*

21. **Student-expert of IAAR** – Mustafina Mergul Oralbekovna, first-year doctoral student of the degree program 8D05401 of the S. Amanzholov East Kazakhstan University (Ust-Kamenogorsk, Republic of Kazakhstan); *Off-line participation*

22. **Coordinator of the EEC** - Kydyrmina Nurgul Alimovna, the Head of the IAAR project (Astana, Republic of Kazakhstan); *Off-line participation*



### **(III) REPRESENTATION OF AN EDUCATIONAL ORGANIZATION**

D. Serikbayev East Kazakhstan Technical University (EKTU) is a basic engineering university of Kazakhstan, a center for generating new knowledge and innovations, located in the large administrative industrial center of East Kazakhstan, Ust-Kamenogorsk. It is located at the junction of the borders of Russia, China and Mongolia. The University has a 60-year history of training highly qualified engineering personnel. It was founded in 1958 as the Ust-Kamenogorsk Road Construction Institute (UK RCI).

In 2006, EKTU was among the first universities in Kazakhstan to introduce and certify a quality management system (QMS). Certificate of Conformity No. 20688 dated March 21, 2006 was issued by the British company NQA GLOBAL ASSURANCE for compliance with the requirements of ISO 9001:2008.

D. Serikbayev East Kazakhstan Technical University, among the first among the universities of the Republic of Kazakhstan, has implemented an anti-corruption management system conforming to the international standard ISO 37001:2016. In December 2021, the university successfully passed the international certification for compliance of the anti-corruption management system with the requirements of ISO 37001:2016, and received a certificate. The IQNet (Quality Austria) certification mark was also awarded.

The university provides training in 98 educational programs at three levels: bachelor's degree, master's degree and PhD. The student body is about 5,000 people. The priority direction of the university's activity is the training of highly qualified and in-demand specialists in metallurgical, machine-building, architectural and construction, information and communication profiles.

The university has formed a scientific and innovative infrastructure that unites the Veritas Center of Excellence and centers of competence and technology transfer by industry.

The university has 2 faculties, 7 schools, Foundation. Departments have been retained at faculties, the position of the head of the educational program has been introduced in schools.

Preparation of bachelors in DP 6B07312 Land Cadastre and Land Management, masters in DP 7M11301 Organization of Road Freight, Traffic & Transport Operation is carried out according to the license KZ50LAA00018507, issued on July 29, 2020.

According to DP 6B07312 Land Cadastre and Land Management, the number of students studying on the basis of the state educational order in general for the DP (for 3 years) is 213 students, 32 students are studying on a grant from the LEB, the number of students studying on a fee basis is 11 students. There was no issue under the accredited DP. According to DP 7M11301 Organization of Road Freight, Traffic & Transport Operation, 4 undergraduates are studying, there was also no graduation.

According to DP 6B07312 Land Cadastre and Land Management, 57 full-time teachers are involved, including 33 PhD, Candidate of Sciences. Settling down is 58%. According to DP 7M11301 Organization of Road Freight, Traffic & Transport Operation – 4 full-time teachers, including 2 PhD, Candidate of Sciences. Settling down of this DP is 50%.

The employment of graduates is ensured through the organization of practices with subsequent employment in organizations with which relevant cooperation agreements have been concluded: Branch of the non-profit joint stock company "State Corporation "Government for Citizens" of East Kazakhstan Region", East Kazakhstan branch of the Republican State Enterprise on the right of economic management "Republican Center for State Urban Planning and Cadastre", SI "Department of Passenger Transport and Highways of East Kazakhstan Region", The Police Department of East Kazakhstan Region of the Ministry of Internal Affairs of the Republic of Kazakhstan, etc.

Academic mobility according to DP 6B07312 Land Cadastre and Land Management, DP 7M11301 Organization of Road Freight, Traffic & Transport Operation is provided through contracts with the EO of the Republic of Kazakhstan (10 contracts for accredited DP), as well as within the framework of Erasmus programs. Over the past 3 years, 2 students of DP 6B07312



Land Cadastre and Land Management have studied abroad (Lublin University of Technology (Poland)).

There are no special achievements in research projects and their commercialization within the framework of accredited DP.





**(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE**

Degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation are being accredited in the IAAR for the first time.



## **(V) DESCRIPTION OF THE EEC VISIT**

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission on specialized accreditation of degree programs of D. Serikbayev East Kazakhstan Technical University in the period from April 25 to 27, 2023.

In order to coordinate the work of the EEC, an on-line installation meeting was held on 04.21.2023, during which powers were distributed among the members of the commission, the schedule of the visit was clarified, and an agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, heads of departments, teachers, students. A total of 56 representatives took part in the meetings (Table 1).

Table 1 – Information about employees and students who took part in meetings with the EEC IAAR:

<b>Category of participants</b>	<b>Number</b>
Rector	-
Vice-Rector's Corps	2
Heads of structural divisions	16
Deans	11
Heads of departments	11
Teachers	6
Students, undergraduates, doctoral students	10
Graduates	-
Employers	-
<b>Total</b>	<b>56</b>

During the visual inspection, the members of the EEC got acquainted with the state of the material and technical base of the University, visited computer classes G-3-312 and G-3-210, lecture halls G-1-217 and GL-206, the competence center of the EPL "GIS technologies, remote sensing of the Earth and geodesy", a conference hall, laboratory of soil mechanics and highways.

At the meetings of the EEC IAAR with the university's target groups, the mechanisms for implementing the university's policy were clarified and the specification of individual data presented in the university self-assessment report was carried out.

Members of the EEC visited the practice bases of accredited programs: SI "Department of Passenger Transport and Highways of East Kazakhstan Region", branch of the NJSC "State Corporation "Government for Citizens" of East Kazakhstan Region", SI "Management of Land Relations of East Kazakhstan Region", SI "Department of Land Relations, Architecture and Urban Planning of Ust-Kamenogorsk", EK branch of RSE "Gosgradkadastr", «Altaigeoservice» LLP, «PROJECT STUDIO» LLP.

EEC members attended training sessions:

- in the discipline "Transportation quality management", the topic "Determining the regularity of bus traffic on urban routes", 2nd year, DP 7M11301 Organization of Road Freight, Traffic & Transport Operation, teacher – Vdovin V.N. (online). The teacher is fluent in the subject, updates previously studied information. The lesson is held in an interactive format, a dialogue with undergraduates is conducted. The assignment for undergraduates is practice-oriented, organizational and activity-oriented;

- in the discipline "Kazakh (Russian) language" for the 1st year group (DP 6B07312 Land Cadastre and Land Management), teacher Baybatanova F.I. During the practical lesson, the

students were divided into 2 teams, each team had to give correct answers to the teacher's questions, as well as demonstrate their answers with quotes from outstanding writers, poets, etc.

In accordance with the accreditation procedure, a survey was conducted of 6 teachers, 108 students, including junior and senior students.

In order to confirm the information presented in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. Along with this, the experts studied the Internet positioning of the university through the official website of the university <https://www.ektu.kz/>.

As part of the planned program, recommendations for improving accredited degree programs of D. Serikbayev East Kazakhstan Technical University, developed by the EEC based on the results of the examination, were presented at a meeting with the administration on 04/27/2023.



## (VI) COMPLIANCE WITH THE STANDARDS OF PRIMARY SPECIALIZED ACCREDITATION

### 6.1. Standard «Degree program management»

- ✓ *The organization of higher and (or) postgraduate education should have a published quality assurance policy that reflects the relationship between scientific research, teaching and learning.*
- ✓ *The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of DP.*
- ✓ *Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.*
- ✓ *The management of the DP demonstrates transparency in the development of the DP development plan containing the start dates of implementation, based on an analysis of its functioning, the real positioning of the EO and the orientation of its activities to meet the needs of the state, employers, students and other interested parties.*
- ✓ *The management of the DP demonstrates the existence of mechanisms for the formation and regular revision of the development plan of the DP and monitoring its implementation, assessing the achievement of training goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the DP.*
- ✓ *The management of the DP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of the development plan of the DP.*
- ✓ *The management of the DP must demonstrate the individuality and uniqueness of the development plan of the DP, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education*
- ✓ *The organization of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within the framework of the DP, an unambiguous distribution of staff duties, and the differentiation of functions of collegial bodies.*
- ✓ *The management of the educational institution must provide evidence of the transparency of the educational program management system.*
- ✓ *The management of the DP must demonstrate the existence of an internal quality assurance system of the DP, including its design, management and monitoring, their improvement, and fact-based decision-making.*
- ✓ *The management of the DP should carry out risk management, including within the framework of the SP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.*
- ✓ *The management of the educational institution should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.*
- ✓ *The OE should demonstrate innovation management within the framework of the DP, including the analysis and implementation of innovative proposals.*
- ✓ *The management of the DP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested persons.*
- ✓ *The management of the DP should be trained in educational management programs.*

#### ***The evidentiary part***

The degree programs submitted for accreditation 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation are developed in accordance with the requirements of the State Mandatory Standard of Higher and Postgraduate Education of the Republic of Kazakhstan (SMSE RK No. 604 dated 10.21.2018).

In accordance with ISO 9001:2015, ESG-2015 standards, the university has a published Quality Policy ([https://www.ektu.kz/files/abouttheuniversity/Politics\\_2023ru.pdf](https://www.ektu.kz/files/abouttheuniversity/Politics_2023ru.pdf)) that reflects the relationship between scientific research, teaching and learning.

The development of a culture of quality assurance is provided by a special body in accordance with the NJSC "EKTU" 043 "Regulations on the Commission for Quality assurance in the NJSC "EKTU named after D. Serikbayev"". At the same time, the EO demonstrates commitment to quality assurance, including in the organization of double-degree education and academic mobility, which is confirmed, for example, by the DP of the NJSC "EKTU" 023 "Academic mobility".

The development plans of accredited DP correspond to the Strategic Development Program of the University for 2023 - 2025 ([https://www.ektu.kz/files/abouttheuniversity/Programma-strategicheskogo-razvitiya\\_NAO\\_VKTU\\_2023-2025.pdf](https://www.ektu.kz/files/abouttheuniversity/Programma-strategicheskogo-razvitiya_NAO_VKTU_2023-2025.pdf)), as well as the School of Earth Sciences, the School of Mechanical Engineering.

In accordance with the Development Strategy of the DP for 2023 - 2025, the content of the goals of the DP is reviewed regularly at least once every 3 years, taking into account the development of science, technology, culture, economy, technology, social sphere and is carried out according to the results of external and internal monitoring, the results and conditions of the implementation of educational programs, including in the process of quality management audit.

External stakeholders are involved in the implementation of the program quality assurance policy. External experts are heads of enterprises with extensive work experience in their specialty and who have made a significant contribution to the development of relevant industries.

Responsibility and authority for business processes within the framework of the DP are regulated by the regulation of the NJSC "EKTU" 030 "Designing the educational program".

Transparency of the DP management system is achieved by publishing data on the DP on the EO website, as well as involving stakeholders in the development and coordination of the DP development strategy.

In accordance with the NJSC "EKTU" 050 "Regulations on the manager of the degree program", the staff of the Academic Activities Department conducts annual monitoring and analysis of the effectiveness of the DP and the development of corrective actions for its further implementation in order to increase its effectiveness.

Internal quality assurance is carried out through the participation of schools in internal audits of the ISM, as well as in various surveys of students, teaching staff, employers. The results of the analysis of inspections and audits are presented in the form of acts, certificates, memos, reports and are considered at meetings of the collegial bodies of the EKTU (Board of Directors, Academic Council, ISM Coordinating Council, Academic Council, etc.).

The effectiveness of the quality policy is achieved through the annual analysis of the situation in higher education, the study of external and internal risks using SWOT analysis.

The participation of employers, teaching staff, students and other interested persons in the management of the DP is organized through their inclusion in the collective bodies of the public organization, as well as involvement in the examination of changes made to the DP.

Innovation management within the framework of the DP is carried out by planning and implementing the activities of the section "Scientific and Technological breakthrough" of the Development Strategy of the DP.

The management of the DP is open to interaction with interested parties: there is a rector's blog on the university's website, where you can contact with questions of interest. Also on the website you can find information about the faculty/school, phone numbers of the dean's office and directly contact there.

The teaching staff of the DP is actively trained in numerous educational programs – over the past 3 years, only the heads of the DP have received more than 15 different certificates, many of which are aimed at improving pedagogical skills and obtaining special skills in the disciplines of the DP. At the same time, 4 certificates were obtained for educational management programs, 2 of them are foreign.

### ***Analytical part***

Risk management in the development strategies of the School of Mechanical Engineering and the School of Earth Sciences, as well as the development strategies of the DP is presented at the level of SWOT analysis. At the same time, there is no ranking of risks, there are no actions for risk management and analysis of their effectiveness, although the own regulatory document of the EO of the NJSC "EKTU" 115-I-2022 EKTU 115 "Regulations on the Risk Management



System of the NJSC "EKTU named after D. Serikbayev"" directly provides for this.

Innovation management by management is understood as part of research activities and is postulated in accordance with the Quality Policy of the EO. At the same time, it is clear from the Self-Assessment Report that the analysis and implementation of innovative proposals do not have a clear and clearly outlined mechanism within the framework of the IQAS. This is confirmed by the answers of the teaching staff in the interview. In addition, on the university's website <https://www.ektu.kz> The Science and Innovation section presents a Program for the development of scientific and innovative potential for 2017 - 2019 and this is the only planning document that separately regulates innovation activities, which also indicates the non-systemic nature of the work.

***Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- The teaching staff of the DP is actively undergoing training in numerous educational programs – over the past 3 years, only the heads of the DP have received more than 15 different certificates, many of which are aimed at improving pedagogical skills and obtaining special skills in the disciplines of the DP. At the same time, 4 certificates were obtained for educational management programs, 2 of them are foreign. Such activity in teaching teaching staff should be recognized as a positive experience.

***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- The management of the DP should develop a procedure for determining the degree of risk impact and the likelihood of their occurrence, as well as provide for risk management actions within the framework of relevant planning documents. (Deadline: 01.01.2024);

- The management of the EO to develop and implement a mechanism for the analysis and implementation of innovative proposals in the IQAS, not only in the field of research work, but also in educational and educational work. (Deadline: 06.30.2024)

***Conclusions of the EEC according to the criteria:***

**According to the standard "Degree program management" for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 15 criteria were disclosed, of which 1 is strong, 12 satisfactory positions, 2 positions suggest improvement.**

***6.2. Standard «Information management and reporting»***

✓ *The EO should demonstrate the availability of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools and that it uses a variety of methods for collecting and analyzing information in the context of the DP.*

✓ *The management of the DP should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.*

✓ *The management of the DP should demonstrate fact-based decision-making.*

✓ *A system of regular reporting reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of structural units, scientific research, should be provided within the framework of the DP.*

✓ *The EO should establish the frequency, forms and methods of assessing the management of the DP, the activities of collegial bodies and structural units, senior management, and the implementation of scientific projects.*

✓ *The EO must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of responsible persons for the reliability and timeliness of the analysis of information and the provision of data.*

✓ *An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.*

✓ *The management of the DP should demonstrate the existence of a mechanism for communication with*

students, employees and other stakeholders, as well as conflict resolution mechanisms.

✓ The EO should demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the DP.

✓ The EO should demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the DP.

✓ The information intended for collection and analysis within the framework of the DP should take into account:

- key performance indicators;
- the dynamics of the contingent of students in the context of forms and types;
- the level of academic performance, student achievements and expulsion;
- satisfaction of students with the implementation of the DP and the quality of education at the university;
- availability of educational resources and support systems for students.

✓ The EO must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documentary consent.

### ***The evidentiary part***

The system of collecting, analyzing and managing information based on the use of modern information and communication technologies and software in the EO is based on the use of automated training systems and information support systems: "Educational portal of EKTU", "Scientific and innovative activity", "Integrated information complex SPORTAL", software "Entrant".

Website – [www.ektu.kz](http://www.ektu.kz) and the Educational Portal of the University are a single system of information support for students and teaching staff.

The information management processes in the EO are carried out in accordance with the standard of the NJSC "EKTU" R 127 "Internal Quality Assurance System Manual", as well as the DP of the NJSC "EKTU" 020 "Educational Portal".

The university annually conducts several types of questionnaires, the results of which are considered at meetings of the ISM Coordinating Council, as well as at meetings of quality assurance commissions, corrective actions are taken following the discussion.

The EO has a system of reporting on all types of activities at different levels of the organizational structure, which is presented in the QMS documents, as well as recorded in the protocols of collegial bodies, for example Protocol No. 31 of 09.29.2022 of the School of Earth Sciences. The frequency of reporting on the DP is determined by the documents regulating the procedure for the development and management of the DP.

The powers and responsibilities of persons ensuring the collection, storage and processing of information are defined in the DP of the NJSC "EKTU" 019 "Protection of electronic information resources in the NJSC "EKTU named after D. Serikbayev".

The participation of students and teaching staff in the processes of collecting and analyzing information, as well as the mechanism for measuring the satisfaction of staff and students are regulated by DP NJSC "EKTU" 007 "Collection and analysis of information on customer satisfaction". Decision-making based on the information obtained during the surveys takes place collectively, through the bodies in which teaching staff and students are involved. The content of the questionnaires is standardized and described in the DP of the NJSC "EKTU" 008 "Internal monitoring of the quality of the educational process".

Conflict resolution mechanisms have been developed and implemented in the EO. The relevant procedures are defined by the IRD: AS NJSC "EKTU" 064 "Anti-Corruption Standard", R NJSC "EKTU" 044 "Rules for resolving conflicts of interests", C NJSC "EKTU" 059 "Code of academic integrity of students", R NJSC "EKTU" 065 "Internal regulations for students", R NJSC "EKTU" 084 "Rules of internal labor regulations", etc.

Students, employees and teaching staff, starting to work with the unified information support system of the university, consent to the processing of their personal data. Information about obtaining such consent is stored in the EKTU database, and is also confirmed by contracts between the university and employees, in which there is a corresponding clause.



**Analytical part**

In 2018, the university created a unique data analysis and visualization system "E-Monitoring", in which the visual representation of aggregated data is performed in the following areas: "Management", "Security", "Ecomonitoring", "Faculty", "Students", "Scientific and innovative activities", "Finance", "Session", "IT infrastructure".

The EEC notes the confident position of the EO and accredited DP on information management and reporting. Within the framework of this standard, there are well-documented procedures described in the IRD of the NJSC "EKTU". The implementation of these procedures within the framework of the DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation was confirmed by the EEC based on the results of studying the EO website, internal information resources, survey results, as well as minutes of meetings of various collegial bodies.

**Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:**

- According to this standard, DP have no strengths.

**Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:**

- There are no recommendations for this standard.

**Conclusions of the EEC according to the criteria:**

**According to the standard "Information Management and reporting" for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 16 criteria have been disclosed, of which 16 have a satisfactory position.**

6.3. Standard «Development and approval of the degree program»

- ✓ The EO should define and document the procedures for the development of the DP and their approval at the institutional level.
- ✓ The management of the DP should ensure that the content of the DP meets the established goals, including the expected learning outcomes.
- ✓ The management of the DP should demonstrate the existence of mechanisms for reviewing the content and structure of the DP, taking into account changes in the labor market, the requirements of employers and the social request of society.
- ✓ The management of the DP should ensure the availability of developed models of the graduate of the DP, describing the learning outcomes and personal qualities.
- ✓ The management of the DP must demonstrate the conduct of external examinations of the content of the DP and the planned results of its implementation.
- ✓ The qualification assigned upon completion of the DP must be clearly defined and correspond to a certain level of the NQF and QF-EHEA.
- ✓ The management of the DP should determine the influence of disciplines and professional practices on the formation of learning outcomes.
- ✓ An important factor is the possibility of training students for professional certification.
- ✓ The management of the DP must provide evidence of the participation of students, teaching staff and other interested parties in the development of the DP, ensuring its quality.
- ✓ The management of the DP should ensure that the content of academic disciplines and the planned results correspond to the level of education (bachelor's, master's, doctoral studies).
- ✓ The structure of the DP should provide for various types of activities that ensure that students achieve the planned learning outcomes.
- ✓ An important factor is the correspondence of the content of the DP and the results of the training of the DP, implemented by organizations of higher and (or) postgraduate education in the EHEA.

***The evidentiary part***

The procedures for the development and approval of the DP are documented in the R NJSC "EKTU" 030 "Designing an educational program".

The purpose of DP 6B07312 Land Cadastre and Land Management is to create an educational environment favorable for the professional formation and intellectual development of a specialist who is able to demonstrate functional literacy and competitiveness in professional situations, successfully combining knowledge in the field of cadastre, land management, precision agriculture, geodesy, cartography, information and GIS technologies, planning and management economics with the aim of rational and effective use of the land fund of the Republic of Kazakhstan.

The purpose of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation is to prepare highly qualified competitive specialists for scientific, pedagogical, research, organizational, managerial and entrepreneurial activities in the field of organization of transportation services and safety of the transport process to meet the needs of the labor market as middle managers, as well as continuing their PhD studies.

Having studied the contents of the accredited DP, the EEC states their compliance with the stated goals.

According to the NJSC "EKTU" 043 "Regulation on the Commission for Quality Assurance in the NJSC "EKTU named by D. Serikbayev", the Academic Committee is engaged in the design, development and improvement of degree programs at all levels of study in accordance with the needs of the labor market, the Commission for quality assurance gives approval for the necessary changes to the DP and the design of new/innovative DP.

The management of the DP develops a graduate model, which can be found on the website of the EO.

An external examination of the content of the DP has been carried out, the relevant documentary evidence has been submitted. Reviews and conclusions were received from the Director of the East Kazakhstan branch of RSE "Gosgradkadastr" Otyunchinov R.A., Director of "Altaigeoservice" LLP Sysoev V.V., Deputy the head of the State Institution "Management of Land Relations of the East Kazakhstan region" Mikheilis N.F., Deputy the head of the Land Cadastre Department of the Branch of the NJSC "State Corporation "Government for Citizens" for East Kazakhstan Region" Kharitonenko A.V., Deputy head of the Administrative Police Department of the East Kazakhstan Region Klishin I.M., Deputy Head of Passenger Transport and Highways East Kazakhstan Region Rakhimbayeva A.D.

The practice of students is one of the most important and mandatory forms of the educational process and aims to consolidate and deepen theoretical knowledge, acquire skills of independent work and allows students to assess the level of acquired competencies. Within the framework of DP 6B07312 Land Cadastre and Land Management, students undergo educational, industrial and pre-graduate practices, according to DP 7M11301 Organization of Road Freight, Traffic & Transport Operation - pedagogical and research practices.

The main IRD determining the conduct of practices, regulating the educational activities of students in practice, are the R NJSC «EKTU» 027 "Regulations on the practice of NJSC «EKTU»", R NJSC «EKTU» 031 "Regulations on conducting academic and industrial practices in the field on the basis of the summer expedition campus "Prostor"" and the end-to-end program of professional practice, which is being developed specifically for this DP. The organization and conduct of professional practice is carried out according to the order of the rector and concluded 3-party agreements (or under a collective agreement concluded by the university) with enterprises.

The bases of practice for DP 6B07312 Land Cadastre and Land Management are the following enterprises: branch of the NJSC "State Corporation "Government for Citizens" in East Kazakhstan region", SI "Management of Land Relations of East Kazakhstan region", SI "Department of Land Relations, Architecture and Urban Planning of the city of Ust-Kamenogorsk", EK branch of RSE "Gosgradkadastr", «Altaigeoservice» LLP, «PROJECT

STUDIO» LLP.

The base of practice for DP 7M11301 Organization of Road Freight, Traffic & Transport Operation is the State Institution "Management of Passenger Transport and Highways of East Kazakhstan Region".

The University has a concept of continuous practical training. One of the main tasks of the academic practice in the 1st year and the 1st industrial practice in the 2nd year of DP 6B07312 Land Cadastre and Land Management is the acquisition by students of a working profession with the qualification of "assistant surveyor".

DP 7M11301 Organization of Road Freight, Traffic & Transport Operation currently does not provide for students to receive an additional profession.

The contribution of a particular discipline to the formation of the main learning outcomes is determined by the DP development working group. The working group includes teaching staff, representatives of business communities and students. Specialists of leading enterprises take part in the development of the DP. The wishes and recommendations of the heads of the leading enterprises of the republic and the city are documented. The EEC experts were presented with a list of enterprises with which accredited DP was agreed, as well as reviews and expert opinions.

The correspondence of academic disciplines to the level of training can be traced in syllabuses. The technology of modular training is used in the development of the DP: modules are formed from blocks of disciplines grouped from cycles of basic (BD) and profiling disciplines (PD) both by mandatory and elective components, indicating the complexity of each academic discipline in credits and academic hours. Students can choose Minor disciplines from the catalog of additional educational programs.

#### ***Analytical part***

The EEC notes that the development and approval of degree programs 6B07312 Land Cadastre and Land Management, as well as 7M11301 Organization of Road Freight, Traffic & Transport Operation are organized on the basis of institutional mechanisms, the adherence to which is confirmed by a number of documents presented in the annexes to the Self-assessment Report of the DP. At the same time, during the interview, the students expressed their opinion about the need for professional certification in the IT areas that are currently in high demand. This statement is true for all levels of education, therefore, it is advisable to expand the range of professional certifications for the bachelor's degree, and introduce it into the educational process for the master's degree.

It should be particularly noted that professional certification is present only according to DP 6B07312 Land Cadastre and Land Management, one of the main tasks of the academic practice in the 1st year and the 1st industrial practice in the 2nd year is the acquisition by students of a working profession with the qualification of "assistant surveyor". There is no professional certification in DP 7M11301 Organization of Road Freight, Traffic & Transport Operation, and the management of the DP even emphasizes the absence of its need within this DP due to the research nature of the latter. However, the possibility of acquiring additional competencies is one of the core values of any DP, regardless of the level, therefore, the implementation of this criterion in DP 7M11301 Organization of Road Freight, Traffic & Transport Operation needs to be improved.

#### ***Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- According to this standard, DP have no strengths.

#### ***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- The management of the DP is recommended to consider the possibility of obtaining additional qualifications/certification by students during the training period. (Deadline:



06.30.2025).

***Conclusions of the EEC according to the criteria:***

**According to the standard "Development and approval of a degree program" for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 12 criteria are disclosed, of which 11 have a satisfactory position, 1 suggests improvement.**

***6.4. Standard «Continuous monitoring and periodic evaluation of the degree program»***

- ✓ *The EO should define mechanisms for monitoring and periodic evaluation of the DP to ensure the achievement of the goal and meet the needs of students, society and show the orientation of the mechanisms for the continuous improvement of the DP.*
- ✓ *Monitoring and periodic evaluation of the DP should include:*
  - *the content of the program in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught;*
  - *changes in the needs of society and the professional environment;*
  - *the workload, academic performance and graduation of students;*
  - *the effectiveness of procedures for assessing students;*
  - *expectations, needs and satisfaction of students with training in the DP;*
  - *the educational environment and support services, and their compliance with the goals.*
- ✓ *The management of the DP should demonstrate a systematic approach to monitoring and periodic evaluation of the quality of the DP.*
- ✓ *The EO, the management of the DP should define a mechanism for informing all interested parties about any planned or undertaken actions in relation to the DP.*
- ✓ *All changes made to the DP must be published.*

***The evidentiary part***

The University has developed mechanisms for monitoring and periodic evaluation of the DP, aimed at continuous improvement of the DP. The requirements are regulated in the documented procedures for monitoring, evaluation and updating of the DP: R NJSC «EKTU» 127 "Manual on the internal quality assurance system", DP NJSC «EKTU» 008 "Internal monitoring of the quality of the educational process", DP NJSC «EKTU» 006 "Internal audits".

At the meetings of the Quality Assurance Commission of the School of Earth Sciences, the contents of DP 6B07312 Land Cadastre and Land Management are periodically analyzed (Protocol No. 5 of 24.05.2022).

At the meetings of the Quality assurance Commission of the School of Mechanical Engineering, the contents of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation are periodically analyzed (Protocol No. 1 of 04.29.2021).

Within the framework of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation in the 2023 - 2024 academic year were recommended for the introduction of disciplines in the following areas: "Methods of research of transport systems", "Program-target management in transport systems for government organizations".

Within the framework of the DP, the student's promotion is monitored, the tools of which are presented on the Educational Portal of the university. The progress of a particular student can be seen on the Educational Portal, in the section "Academic performance" in the item "Grade Point Average (GPA)" by the link "More details" and in the item "Development Plan". The EEC members are presented with examples of monitoring the implementation of an individual curriculum by students of DP 6B07312 Land Cadastre and Land Management and undergraduates of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation for the trimester.

In the NJSC «EKTU» the ratio of exam forms is 90:10, where 10% is computer testing, and 90% is a written exam. In the interview, the teachers confirm that the exams are organized mainly in writing by the method of "blind verification" through the assignment of an individual cipher (QR code) to each student during the examination session by the Department of Support

and Information Technology.

The needs and satisfaction of students in DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation are analyzed during various surveys conducted at the university in accordance with the DP of the NJSC «EKTU» 007 "Collection and analysis of information on customer satisfaction". The results of the survey of the EEC IAAR students show that their needs are fully or mostly satisfied.

Data on customer satisfaction in accordance with the mechanisms adopted at the university are reviewed at meetings of collegial bodies with subsequent decision-making on improving the DP.

Informing the public about changes in the DP is organized in the form of publishing updated DP on the EO website.

#### ***Analytical part***

The EEC notes the presence in the NJSC «EKTU» of automated procedures for collecting information for monitoring DP using subsystems of the educational portal of the university. The information received is processed in accordance with the IRD of the NJSC «EKTU» and is used to improve the DP, which can be traced in the minutes of meetings of collegial bodies at the level of schools in which accredited DP are implemented.

Among the procedures worthy of making recommendations to the management of the DP, the EEC notes informing the public about changes in the DP, which amounts to publishing updated DP on the EO website. It is difficult for stakeholders who did not participate in making changes to find out exactly what changed and when.

#### ***Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- According to this standard, DP have no strengths.

#### ***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- It is advisable for the management of the DP to adjust the content of the official page with the description of the DP, indicating the date and a brief description of the latest changes in the DP. (Deadline: 09.01.2023).

#### ***Conclusions of the EEC according to the criteria:***

**According to the standard "Continuous monitoring and periodic evaluation of degree programs" for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 10 criteria are disclosed, of which 10 have a satisfactory position.**

#### ***6.5. Standard «Student-centered learning, teaching, and performance assessment»***

- ✓ *The management of the DP should ensure respect and attention to different groups of students and their needs, provide them with flexible learning paths.*
- ✓ *The management of the DP should provide for the use of various forms and methods of teaching and learning.*
- ✓ *An important factor is the availability of own research in the field of teaching methods of educational disciplines.*
- ✓ *The management of the DP should demonstrate the existence of feedback mechanisms for the use of various teaching methods and evaluation of learning outcomes.*
- ✓ *The management of the DP should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.*
- ✓ *The management of the DP must demonstrate the existence of a procedure for responding to complaints from students.*

- ✓ *The EO should ensure consistency, transparency and objectivity of the learning outcomes assessment mechanism for each DP, including the appeal.*
- ✓ *The EO should ensure that the procedures for evaluating the learning outcomes of the students of the DP correspond to the planned results and goals of the program, the publication of criteria and evaluation methods in advance.*
- ✓ *The EO should define mechanisms to ensure that each graduate of the DP achieves learning outcomes and ensures the completeness of their formation.*
- ✓ *Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area.*

### ***The evidentiary part***

The university has developed regulatory documents that give students with different physical conditions, language and religious preferences, temporarily dropped out of the offline learning process due to various circumstances, equal opportunities to participate in the learning process and obtain high-quality knowledge, skills and abilities:

- DP NJSC "EKTU" 024 "Intermediate, final control and assessment of students' knowledge"
- DP NJSC "EKTU" 025 "Final certification of students";
- DP NJSC "VKTU" 023 "Academic mobility".

According to the DP of the NJSC "EKTU" 013 "Bachelor's degree preparation" within the framework of the main degree program, a student can choose to study one additional degree program (Minor).

The University provides opportunities for students to form an individual educational trajectory by registering for elective disciplines. The result of the registration of students is the formation of an individual curriculum (IC), which reflects the academic disciplines of both the mandatory component and the component of choice. The NJSC "EKTU" has a system of electronic registration of students for elective courses, as well as an electronic system for registering the choice of students and the formation of IC.

Teachers of DP 6B07312 Land Cadastre and Land Management and OP 7M11301 Organization of Road Freight, Traffic & Transport Operation during classes use multimedia technology in the mode of dialogue and non-contact information interaction. There are cases of using gamification to check the assimilation of educational material by students, when conducting boundary controls by individual teachers.

One of the practice-oriented teaching methods of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation is, for example, the use of quadrocopters to study the characteristics of traffic and traffic flow. At the same time, there was no information about the availability of the Schools' own research in the field of teaching methods of academic disciplines DP 6B07312 Land Cadastre and Land Management and OP 7M11301 Organization of Road Freight, Traffic & Transport Operation during the visit of the EEC. The results of the "Teacher through the eyes of students" (<https://www.ektu.kz/files/qms/polls/2022/Prepodavatel-glazami-obuchayushchihsya2022.pdf>) survey for 2022 also show that one of the lowest grades of the university teaching staff was obtained under the item "The teacher uses various forms, modern means of visual presentation of the material (presentations, infographics, videos, etc.) during classes".

Feedback on the use of various teaching methods and evaluation of learning outcomes is provided by the management of the DP through a questionnaire of students:

- Questionnaire "Teacher through the student's eyes";
- A feedback questionnaire on the discipline, presented in the NJSC "EKTU" DP 008 "Internal monitoring of the quality of the educational process".

Teachers of DP 6B07312 Land Cadastre and Land Management and DP 7M11301 Organization of Road Freight, Traffic & Transport Operation provide academic support to students who do not cope with academic requirements in the form of additional counseling. In syllabuses of disciplines there is a subsection "Tasks for independent work of students", where

the types of tasks, hours, deadlines for these tasks are painted. In the section "Assessment of students' knowledge" points are indicated by type of work for each discipline.

For each type of control, the teacher selects the appropriate evaluation tool, which is a form of independent work. To stimulate independence and autonomy in the educational process, such teaching methods as the creation of projects, the preparation of public speeches, the artificial creation of uncertainty or problematic situations, the preparation of professionally directed videos and presentations are used.

Autonomous student work individually and under the guidance of a teacher (ASW and ASWTG) is planned by each teacher in the WSP (Syllabus) of the discipline, in which students can find information about the amount of autonomous work, the time of their completion and the maximum score when evaluating the results of their performance. Each teacher assigned to the discipline independently determines the methods and forms of ASW organization.

The university has a system for responding to complaints and recommendations from students and parents through various feedback forms:

- the rector's blog, located on the university website;
- box for suggestions and appeals;
- booth for video, audio and written appeals (Serikbayeva 19, Main building, first floor);
- personal pages of divisions on the university's website with the contact information.

During the interview, however, none of the students could recall the experience of using any of these forms.

Transparency of the knowledge assessment procedure is ensured by posting current assessments, intermediate and final results in electronic journals on the Educational Portal, video recording of exams, collective decision-making on the assignment of qualifications. Thus, each student can see the status of their academic achievements and discuss them with advisors, teaching staff and the management of faculties/schools. The statistics of appeals under DP 6B07312 Land Cadastre and Land Management over the past three years shows that the applications of students to the appeals commission are satisfied in about 50% of cases. According to DP 7M11301 Organization of Road Freight, Traffic & Transport Operation were not appealed.

In order to implement student-centered learning and teaching, the management of DP 6B07312 Land Cadastre and Land Management and DP 7M11301 Organization of Road Freight, Traffic & Transport Operation ensures timely informing students about the criteria and procedures used to evaluate learning outcomes in accordance with the rules and IRD adopted in the EO.

Assessment of learning outcomes is regulated by the IRD: NJSC "EKTU" DP 024 "Intermediate, final control and assessment of the students' knowledge", NJSC "EKTU" DP 025 "Final certification of students".

According to the IRD of the NJSC "EKTU" 013 "Bachelor's degree training", the main criterion for the completion of training is the development of a certain academic credits by the student for the entire period of study (depending on the type of DP), including all types of educational activities.

Persons who have completed their studies in the degree program of higher or postgraduate education and have successfully passed the final certification are awarded a bachelor's degree ("Master") and a diploma with an appendix (transcript) and a pan-European diploma Supplement (Diploma Supplement).

In the appendix to the diploma (transcript), the latest grades according to the point-rating system of assessments for all types of academic work are indicated, indicating their volume in academic credits and hours.

The verification of the competencies of teaching staff and the assessment of the teacher's qualifications are carried out in accordance with the R NJSC "EKTU" 123 "Regulations on advanced training of the teaching staff".



After completing the training, the school/department hears the teacher's report on the AT and decides on the approval or rejection of the report, as well as gives recommendations on the use of the results of the AT, taking into account its practical significance for improving the educational process and scientific work. Teaching staff according to DP 6B07312 Land Cadastre and Land Management and DP 7M11301 Organization of Road Freight, Traffic & Transport Operation are actively improving their qualifications.

### ***Analytical part***

The EEC notes that according to most of the criteria of the standard, the EO and the management of the DP ensure that the criteria are met through sufficient institutional mechanisms, as well as their strict implementation.

Nevertheless, it should be noted that flexible learning trajectories are understood within the framework of freedom of choice of disciplines within the DP, and special categories of students include persons with information perception features that are not present within the DP (Self-assessment report, interview with the DP management). At the same time, there is no opportunity to develop an individual schedule for attending classes or passing a session (interviews with students). The survey of students of the EEK IAAR shows that the active extracurricular activities of students can be negatively perceived by the teaching staff, which also speaks in favor of the need to create a mechanism for formalizing such activities.

In addition, the interview with the teaching staff indicates that the management of the DP is quite indifferent to the development of its own methods of teaching academic disciplines. There is no evidence of their own research in this area in the Self-Assessment Report, and within the framework of interviews, teachers indicate the absence of any systematic encouragement of innovation in the field of academic work. The survey of students conducted by the EEC indicates a noticeable number of students who expect to teach the material in a more interesting form (more than 15%).

### ***Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- According to this standard, DP have no strengths.

### ***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- The management of the EO is recommended to develop and implement a mechanism for providing an individual training plan to certain categories of students and undergraduates in order to provide additional opportunities for their personal growth or solving state tasks and strengthening the image of the university and the region. (Deadline: 09.01.2024);

- The management of the EO is recommended to include in the KPI of the teaching staff indicators for evaluating the innovative activity of teachers in the field of academic work and to encourage the activation of activities in this area. (Deadline: 06.30.2024).

### ***Conclusions of the EEC according to the criteria:***

**According to the standard "Student-centered learning, teaching and performance assessment" for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 10 criteria are disclosed, of which 8 have a satisfactory position, 2 suggest improvement.**

### **6.6. Standard «Students»**

✓ *The EO must demonstrate the existence of a policy for the formation of a contingent of students in the context of the DP, ensure transparency and publication of its procedures governing the life cycle of students (from admission to completion).*

- ✓ *The management of the DP should determine the order of formation of the contingent of students based on:*
- *minimum requirements for applicants;*
  - *of the maximum group size during seminars, practical, laboratory and studio classes;*
  - *forecasting the number of state grants;*
  - *analysis of available material and technical, information resources, human;*
  - *resources, analysis of potential social conditions for students, including the provision of places in the dormitory.*
- ✓ *The management of the DP should demonstrate readiness to conduct special adaptation and support programs for newly enrolled and foreign students.*
- ✓ *The EO must demonstrate compliance of its actions with the Lisbon Recognition Convention, the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.*
- ✓ *The EO should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications.*
- ✓ *The EO should provide an opportunity for external and internal mobility of DP students, as well as readiness to assist them in obtaining external grants for training.*
- ✓ *The DP management should demonstrate readiness to provide students with internship places, promote the employment of graduates, and maintain communication with them.*
- ✓ *The educational institution should provide for the possibility of providing DP graduates with documents confirming their qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and certificates of its completion.*

### ***The evidentiary part***

The policy of forming a contingent of students, as well as the procedures governing their life cycle (from admission to completion) are presented in the following IRD:

- R NJSC "EKTU" 051 "Rules of student admission for degree programs of higher and postgraduate education";
- DP NJSC "EKTU" 013 "Bachelor's degree program training";
- DP NJSC "EKTU" 014 "Master's degree program training";
- DP NJSC "EKTU" 015 "Doctor of Philosophy (PhD) degree program training";
- DP NJSC "EKTU" 126 "Postdoctoral program training";
- R NJSC "EKTU" 129 "Regulations on the procedure for recognizing the results of informal education".

The management of the DP determines the procedure for the formation of a contingent of students based on the requirements of national legislation (Standard rules for admission to education in the educational organization of the Republic of Kazakhstan), as well as following the R NJSC "EKTU" 051 "Rules for admission of students to educational programs of higher and postgraduate education" (<https://www.ektu.kz/files/corporategovernance/doc/pravila-priema-2021-rus.pdf>).

Career guidance work on DP 6B07312 Land Cadastre and Land Management is carried out on the basis of the annual work plan of the school and university. For example, in the 2022 - 2023 academic year, an organizational meeting was held with school principals № 1 – 5, 8, 14, 17 – 18, 26, 30, 32, 36, 43, 45, 48 in order to approve the action plan for career guidance and promotion work in these schools, the quantitative composition of the graduating classes was determined, in general, and in each class separately. In February 2023, the School of Earth Sciences conducted career guidance in Ulan and Glubokovsky districts of the East Kazakhstan region.

For the adaptation of the first year students, meetings with the deans of faculties/schools, heads of DPs, advisors are held. Guided tours are organized to the laboratories, SSC, museum, Registrar Office, library, faculties/schools of the university. For newly enrolled students, an orientation week is held in order to familiarize themselves with the educational and methodological documentation. Reference guides for first-year students are posted on the Educational portal of the university. The annual survey of first-year students

(<https://www.ektu.kz/files/qms/polls/2022/Anketa-pervokursnikov2022.pdf>) reveals the problems of adaptation of first-year students at the university.

The faculty of "Foundation" provides training at the university. The activity of this faculty is aimed at intensive academic, scientific and language training of foreign citizens for bachelor's degree programs. According to the results of training under the Pre-University Training Program, the schools of the NJSC "EKTU" accept students for further study on bachelor's degree programs.

The support of international students is provided by the Department for International Cooperation.

According to DP 6B07312 Land Cadastre and Land Management, 2 foreign students are studying. At the beginning of the semester, the curators conduct preventive conversations with foreign students, bring the necessary information and the contents of the memo "On the procedure for registration, residence and registration of foreign citizens in the Republic of Kazakhstan".

The university has developed a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and informal education in accordance with the Lisbon Recognition Convention.

The university approved AP NJSC "EKTU" 029 "Academic Policy" (dated 12.30.2022), DP NJSC "EKTU" 023 "Academic mobility", R NJSC "EKTU" 129 "Regulations on the procedure for recognizing the results of informal education", which present the grounds for recognizing previous training results. Documents on education issued by foreign educational organizations are provided with a notarized translation into Kazakh or Russian, undergo the nostrification procedure in accordance with the procedure established by the legislation of the Republic of Kazakhstan after enrollment of a person during the 1st (first) academic period of study.

At the end of the training period for external and internal academic mobility programs, students are provided with a transcript with the results of training to the registrar's office. The transfer of training results is carried out by the Quality Assurance Commission on the basis of the list of studied disciplines, their programs and volumes in academic hours or credits reflected in the transcript. The Registrar's office transfers the disciplines studied in the host educational organization on the basis of the protocol of the decision of the Quality Assurance Commission.

All students are given access to participate in mobility programs. The Department for International Cooperation introduces students to possible programs, announces a competition for the selection of candidates for participation in the Academic Mobility program, conducts an open selection of applicants.

Academic mobility of students is mainly provided through exchange programs Erasmus Mundus and Erasmus Mundus Partnership.

According to DP 6B07312 Land Cadastre and Land Management, currently there are 7 agreements on mutual cooperation of NJSC "EKTU" on academic mobility programs with the following EO: Kazakh Agrotechnical University named after S. Seifullin, Atyrau Institute of Oil and Gas, L.N. Gumilev Eurasian National University, K.I. Satpayev Kazakh National Technical University, Karaganda State Technical University, M. Auezov South Kazakhstan State University, International Educational Corporation.

Over the past 3 years, within the framework of the Academic Mobility Program, study abroad (Lublin University of Technology (Poland)) the following students of DP 6B07312 Land Cadastre and Land Management took place: Kalelova A.K. and Sabieva D.D.

According to DP 7M11301 Organization of Road Freight, Traffic & Transport Operation currently there are 3 agreements on mutual cooperation of NJSC "EKTU" with universities of the Republic of Kazakhstan, including academic mobility programs: Shakarim SSU, Academy of Logistics and Transport.

Over the past 3 years, as part of the implementation of the Academic Mobility Program, undergraduates of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation



did not study abroad and in the Republic of Kazakhstan.

The university has the Concept of continuous practical training of students. The responsibility for organizing and conducting practical training is borne by the faculties/schools, the heads of the DP and the Career Center.

According to the Development Strategy of the School of Earth Sciences, employers are involved in the process of employment of graduates who take part in the events "Career Day", "Fair of Specialists", "Night at the University", etc. Agreements were concluded on the organization and conduct of professional practices of students of DP 6B07312 Land Cadastre and Land Management with the following enterprises:

- Branch of the non-profit joint stock company "State Corporation "Government for Citizens" in the East Kazakhstan region;
- East Kazakhstan branch of the Republican State Enterprise on the right of economic management "Republican Center for State Urban Planning and Cadastre".

According to DP 7M11301 Organization of Road Freight, Traffic & Transport Operation, contracts were concluded on the organization and conduct of professional practices of students with the following enterprises:

- State Department of Passenger Transport and Highways of East Kazakhstan Region;
- The Police Department of the East Kazakhstan Region of the Ministry of Internal Affairs of the Republic of Kazakhstan.

Letters of invitation from the faculty/school are sent to the heads of enterprises for the events "Career Day", "Fair of Specialists". Students of groups of graduate courses make a resume for the collection "Graduate Resume", and also publish a resume in the "Personal Account", which can be available to employers for viewing.

Upon completion of the bachelor/master/PhD program, a diploma is issued indicating the degree awarded on the DP, a transcript is issued in three languages and the European Diploma Supplement to all graduates on a free basis in accordance with the R NJSC "EKTU" 106 "Regulations on Diploma Supplement".

#### ***Analytical part***

In the EO, the policy of forming a contingent of students has been properly developed and applied in the context of the DP. The existing procedures comply with national legislation. The management of accredited DP conducts systematic work to ensure the quality of the organization of practices and the future employment of graduates. There are no obstacles to academic mobility in the EO, the procedure for transferring learning outcomes is transparent and understandable.

At the same time, the EEC believes that the possibility of external mobility is not sufficiently provided within the framework of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation and DP 6B07312 Land Cadastre and Land Management, since there are no relevant contracts with foreign partners. At the same time, there are 10 contracts with universities of the Republic of Kazakhstan within the cluster, for which no mobility has taken place.

#### ***Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- According to this standard, DP have no strengths.

#### ***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- The management of the DP is recommended to plan measures to activate the process of academic mobility of students of the DP according to the concluded contracts, as well as to conclude appropriate agreements with foreign partners. (Deadline: 06.30.2025).

***Conclusions of the EEC according to the criteria:***

**According to the standard "Students" for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 12 criteria are disclosed, of which 11 have a satisfactory position, 1 suggests improvement.**

***6.7. Standard «Teaching staff»***

✓ *The EO should have an objective and transparent personnel policy, including in the context of the DP, including hiring, professional growth and development of personnel, ensuring the professional competence of the entire staff.*

✓ *The EO must demonstrate the compliance of the personnel potential of the teaching staff with the specifics of the DP.*

✓ *The management of the DP must demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them.*

✓ *The management of the DP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.*

✓ *The EO should determine the contribution of the TS DP to the implementation of the development strategy of the EO and other strategic documents.*

✓ *The EO should provide opportunities for career growth and professional development of the teaching staff of the DP.*

✓ *The management of the DP should demonstrate readiness to involve practitioners of relevant sectors of the economy in teaching.*

✓ *The EO should demonstrate the motivation of the professional and personal development of the teachers of the DP, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods.*

✓ *An important factor is the readiness to develop academic mobility within the framework of the DP, to attract the best foreign and domestic teachers.*

***The evidentiary part***

The personnel policy of NJSC "EKTU" is implemented in accordance with the IRD R NJSC "EKTU" 082 "Provision on the system of employee encouragement", R NJSC "EKTU" 056 "Provision on the personnel reserve", R NJSC "EKTU" 083 "Provision on the Conciliation Commission", R NJSC "EKTU" 084 "Regulations on Internal Labor Rules", R NJSC "EKTU" 066 "Regulations on Disciplinary Measures and Removal from Work", etc.

All information regarding personnel procedures is available to teaching staff and staff through a personal account on the Educational Portal and corporate mail.

The head of the structural unit formulates the requirements for the applicant and the conditions of his employment, fills out an application on the university's website in the "Educational Portal" section, in his personal account under the "Staffing table" tab. After saving the completed application, it automatically goes to the "Vacancies" tab on the university's website. Potential candidates can see information about university vacancies, fill out the proposed questionnaire and place their resume for consideration.

Qualification requirements ([https://www.ektu.kz/files/corporategovernance/doc/Pr\\_NAO\\_EKTU\\_080-I-2021.pdf](https://www.ektu.kz/files/corporategovernance/doc/Pr_NAO_EKTU_080-I-2021.pdf)) to the posts of the teaching staff are established in R NJSC "EKTU" 080 "Rules for competitive recruitment of teaching staff and scientific workers" and published on the university's website.

In the EO there is a structural subdivision of the Recruitment and Development Department, developed and implemented I NJSC "EKTU" 081 Instruction on personnel record keeping, R NJSC "EKTU" 079 "Regulation on personnel selection and adaptation", which reflects the entire algorithm of selection, selection and adaptation process of newly hired employees.

To ensure transparency and the possibility of an alternative choice, announcements of a competition for vacant positions are posted on Internet resources, the platform [www.enbek.kz](http://www.enbek.kz), printed publications distributed throughout the territory of the Republic of Kazakhstan and mass

media, personnel and recruiting agencies.

According to DP 6B07312 Land Cadastre and Land Management, 57 full-time teachers are involved, including 33 PhD, Candidate of Sciences. Settling down is 58%. The average age of teaching staff with academic degrees and titles is 56 years, the average age of teaching staff is 43 years. According to DP 7M11301 Organization of Road Freight, Traffic & Transport Operation – 4 full-time teachers, including 3 PhD, Candidate of Sciences. Settling down for this DP is 50%. The average age of teaching staff with academic degrees and titles is 63 years, the average age of teaching staff is 47.5 years.

In the Strategic development Program of the university ([https://www.ektu.kz/files/abouttheuniversity/Programma-strategicheskogo-razvitiya\\_NAO\\_VKTU\\_2023-2025.pdf](https://www.ektu.kz/files/abouttheuniversity/Programma-strategicheskogo-razvitiya_NAO_VKTU_2023-2025.pdf)) one of the priority areas is "University – the territory of well-being".

Since 2021 the project "EKTU.Otbasy - the territory of well-being \*Well being" which received the nomination "The best project among the universities of RK" in "QAZAQSTAN PROJECT MANAGEMENT AWARDS - 2022" competition is being implemented at the university. A psychological service was created to provide psychological support to the members of EKTU.Otbasy.

At the university, favorable working conditions are created for teaching staff and employees, which is expressed in the appropriate equipment of workplaces in school classrooms, in compliance with sanitary norms and requirements, modern technical equipment of the educational and working process. Employees and faculty of the university have access to canteens, a medical center, and the entire infrastructure of the university.

Teaching staff have the opportunity to directly contact the university management to discuss and resolve academic or personal issues. In order to obtain objective information about the university's activities in various fields, so-called "trust boxes" have been created, forums on the official educational website of EKTU: rector's blog, complaint On-line; other tools for monitoring the university management process are being developed.

An employee who is faced with a stressful situation and believes that he needs psychological support can contact the psychological service of the university.

Employees solve the issues of satisfying their professional needs through trade unions, personal and family - through the project "EKTU.Otbasy - the territory of well-being \*Well being".

The target academic model of the university is the formation of a self-developing educational environment for student-centered and practice-oriented training of new generations of engineers, increasing the attractiveness of the university for talented young people through import and export of education, the concept of "lifelong learning". In this regard, the requirements for teachers as participants in the process of transition to student-centered learning are formulated in the form of appropriate KPIs. The University's strategic development program is being developed by a working group with the involvement of school leaders, student representatives and employers and is being reviewed through the Academic Council of the University. Based on the Strategic Development Program of the University, School Development Strategies and DP Development Strategies are being developed. An action plan is developed annually for the strategy, indicating the responsible performers. The implementation of the planned activities makes it possible to achieve the key goals and indicators laid down in the Strategic Development Program of the university.

The project "Capital of the Future" is being implemented at the University in order to develop and implement a targeted personnel policy focused on improving the quality of research, the teaching and management staff through the implementation of professional growth programs, promoting scientific efficiency, updating the staff by attracting young researchers and scientists with work experience in leading Kazakhstan and foreign universities and research centers.

Learning and self-development are among the basic competencies that employees should have. One of the priority areas at the university is the development of language competencies of



the teaching staff. The tools for this direction implementation are multimedia training program Edusoft - "Multifunctional integrated system of distance learning and certification" for teaching English using digital technologies; training in communicative English; seminars and trainings on academic English and methods of teaching disciplines in English; and MOOC courses.

To implement educational programs, the university attracts practitioners. So over the past year, 7 specialists from production were involved in teaching and research on DP 6B07312 Land Cadastre and Land Management. The share of disciplines taught by practitioners is 16%.

According to DP 7M11301 Organization of Road Freight, Traffic & Transport Operation in the 2022 - 2023 academic year, it is planned to involve specialists of industrial enterprises in the educational process and conduct practical classes in some disciplines. Specialists of the State Institution "Department of Housing and Communal Services, Passenger Transport and Highways of Ust-Kamenogorsk" are involved in teaching disciplines related to the organization of cargo and passenger transportation. Specialists of "Oblshygyszhol" LLP are involved in teaching disciplines related to the organization and safety of road traffic.

Four teachers of the School of Earth Sciences according to DP 6B07312 Land Cadastre and land management have work experience in production.

In the 2022 - 2023 academic year, specialists of the following production enterprises are involved in the educational process and conduct practical classes in a number of disciplines: NJSC "State Corporation "Government for Citizens" for East Kazakhstan region", State Institution "Management of Land Relations of East Kazakhstan region", EK branch of RSE "Gosgradkadastr", "Altaigeoservice" LLP.

The university applies the NJSC "EKTU" 082 "Regulations on the system of incentives for employees" incentives, which regulates the system of incentives for university employees: types, terms, procedure of incentives. Developed by NJSC "EKTU" 091 Regulations on the Competition "The best employee of the month of NJSC "EKTU".

The university management encourages the professional growth of teaching staff. An example is the encouragement of teaching staff with IELTS Academic certificates (not lower than 5.5 points), TOEFL IBT (not lower than 70), TOEFL PBT (not lower than 525), for the KazTest certificate, level B2 and higher (not a native speaker). A one-time bonus is due for mastering an internationally certified course in a professional direction.

Bonus bonuses for teaching staff and employees are carried out based on the results of their professional activities in educational, methodological, scientific, organizational and educational areas. An important indicator for awarding is the fulfillment of the indicators of the individual plan of the teacher, that is, his KPI (Key Performance Indicators). Such indicators as the leadership of students-winners of subject Olympiads in the profile of training, sports competitions, research and development competitions, the presence of the Hirsch index, the publication of articles Q1, Q2, etc. are taken into account.

The success in involving leading foreign and domestic teachers in the educational process is not very great yet. According to the data available to the EEC, according to DP 6B07312 "Land Cadastre and Land Management" in the spring trimester of the 2022 - 2023 academic year in the discipline "Photogrammetry and remote sensing", it is planned to lecture and conduct practical classes by a foreign scientist Eugene Levin - PhD, associate professor at Michigan Technological University, Michigan (USA). The qualification requirements of the university for attracting foreign teaching staff are regulated in the NJSC "EKTU" 068 "Regulations on the admission and payment for foreign scientists and consultants".

Also in 2021 - 2022, the teacher of the School of Earth Sciences Yerkimbek Yerkezhan completed a scientific internship in the direction of "Modern methods and developments in the field of remote sensing for geological exploration (example of East Kazakhstan)" at the V.S. Sobolev Institute of Geology and Mineralogy of the Siberian Branch of the Russian Academy of Sciences (Novosibirsk, Russia). Teachers of the School of Earth Sciences Rakhymberdina M.E. and Toguzova M.M. from 02.01.22 to 07.31.22 were trained under the Bolashak program at M.V. Lomonosov Moscow State University (Moscow, Russia).



***Analytical part***

Having studied the presented data, the EEC came to the conclusion that, according to the standard "Teaching staff", the EO has both strengths and needs improvement.

The average age and the proportion of full-time teaching staff with academic degrees and titles raise concerns about the possibilities of further development of the DP. For example, the average age of the teaching staff of DP 6B07312 Land Cadastre and Land Management with academic degrees and titles is 56 years, DP 7M11301 Organization of Road Freight, Traffic & Transport Operation with academic degrees is 63 years. The share of full-time teaching staff with academic degrees in both DP is 50% or a little more, which is only slightly higher than the minimum required level of settlement of this DP. Taking into account the retirement or pre-retirement age of teaching staff with academic degrees in both fields, there is a serious risk that the loss of even one or two settled teachers will lead to non-fulfillment of one of the basic requirements for universities in the Republic of Kazakhstan.

The existing staff does not fully correspond to the specifics of the DP cluster. Many teachers have to undergo additional training to teach special disciplines, which is evident from the activity of professional development.

At the same time, the management of the EO demonstrates concern for employees, which is noted in an interview with the teaching staff. Also in the Self-assessment Report, strategic documents, as well as on the university's website, much attention is paid to the development of human potential (training, advanced training) and the creation of comfortable working conditions. As a positive experience, the implementation of the project "EKTU.Otbasy - the territory of well-being \*Well being" should be noted.

The university attracts practical teachers to the educational process - 16% of the disciplines read DP 6B07312 Land Cadastre and Land Management. According to a survey of the teaching staff, practitioners are involved often or very often (more than 60% of the answers in the questionnaires).

At the same time, as already noted in the standard "Student-centered learning, teaching and performance assessment", the encouragement of teaching staff to innovate in the field of academic work is not developed. Despite the freedom of use in the educational process (based on the results of the survey), there is no motivation to use innovative teaching methods – as follows from the interview, this is not additionally encouraged in any way.

***Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- The management of the DP demonstrates concern for employees, a lot of attention is paid to the development of human potential and the creation of comfortable working conditions. As a positive experience, the implementation of the project "EKTU.Otbasy - the territory of well-being \*Well being" should be noted.

***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- The management of the DP is recommended to develop a strategic plan to increase the share of full-time teaching staff with an academic degree. (Deadline: 06.30.2025);
- The management of the EO is recommended to develop and implement a procedure for recognizing, registering and encouraging innovative teaching methods. (Deadline: 06.30.2024).

***Conclusions of the EEC according to the criteria:***

According to the standard «Teaching staff» for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 9 criteria were disclosed, of which 1 is strong, 6 have a satisfactory

**position, 2 suggest improvement.**

**6.8. Standard «Educational resources and student support systems»**

- ✓ *The EO should guarantee a sufficient number of educational resources and student support services to ensure the achievement of the goal of the DP.*
- ✓ *The EO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of educational institutions (adults, working, foreign students, as well as students with disabilities).*
- ✓ *The management of the DP should demonstrate the existence of support procedures for various groups of students, including information and counseling.*
- ✓ *The management of the DP must demonstrate compliance of information resources with the specifics of the DP, including:*
  - *technological support for students and teaching staff (for example, online training, modeling, databases, data analysis programs);*
  - *library resources, including the fund of educational, methodological and scientific literature on general education, basic and profile disciplines on paper and electronic media, periodicals, access to scientific databases;*
  - *examination of research results, graduation papers, dissertations for plagiarism;*
  - *access to educational Internet resources;*
  - *functioning of WI-FI on the territory of the educational organization.*
- ✓ *The EO demonstrates the planning of providing the DP with educational equipment and software tools similar to those used in the relevant sectors of the economy.*

***The evidentiary part***

The university is developing the infrastructure used to implement the DP. The educational process within each DP is provided with the necessary classroom fund, educational laboratories, computer classes. 6 computer classes are involved in the training of students on DP 6B07312 Land Cadastre and Land Management. In the structure of the School of Earth Sciences, there is a competence center of the EPL "GIS technologies, remote sensing of the Earth and geodesy". The School of Mechanical Engineering has a Competence Center in the field of operation and repair of motor transport and a Competence Center in the field of mechanical engineering.

According to the accredited DP 6B07312 Land Cadastre and Land Management, the following specialized software is available in computer classes: MapInfo Professional, AutoCAD, Farmer Pro, ArcGIS, QGIS.

For the accredited DP 7M11301 Organization of Road Freight, Traffic & Transport Operation in the classrooms G-3-312 and G-3-210 there are educational training programs and applications: AnyLogic, MatLab, AutoCAD, 1C: Enterprise 8, XP Professional.

For various cultural groups on the website <https://www.ektu.kz/> information about the university is presented in three languages. Students are given the opportunity to receive information through the "Personal Account". According to the survey of the EEC IAAR, the majority of students and teaching staff are satisfied with the level of information about the events taking place in the EO.

R NJSC "EKTU" 136 "Regulations on measures of social support for students" are developed. The paragraph "Adaptive educational technology (inclusive education)" is included in 1.4.2 of the working curriculum (Syllabus) for all DP.

To realize the right of students with disabilities to receive education in accordance with their cognitive abilities and capacities, their socialization, adaptation and integration into the society, the university provides all conditions to support students with special needs.

The purpose of Inclusive Education Service at EKTU is to provide scientific, practical, methodological, advisory support and coordination of the university activities, to provide psychological and pedagogical support of inclusive education for people with disabilities.

A special certificate is held by 15 university teachers (including A.D. Okasova, a teacher at the School of Earth Sciences) who work with students with special educational needs.

Currently, the university has 13 students with additional needs. There are no students with additional needs for accredited DP.

Information resources of DP 6B07312 Land Cadastre and Land Management and DP 7M11301 Organization of Road Freight, Traffic & Transport Operation include modern computer classes with access to corporate resources and the Internet. The provision of software products and the solution of technical problems is implemented by the Department of Information Technology.

A number of disciplines of DP 6B07312 Land Cadastre and land management of the PD and BD cycle use the following software when studying: MapInfo Professional, AutoCAD, Farmer Pro, ArcGIS, QGIS. A number of disciplines of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation of PD and BD cycle use the following software when studying: AnyLogic, MatLab, AutoCAD, 1C: Enterprise 8.

The fund of literature on DP 6B07312 Land Cadastre and Land Management in Russian is 17 280 copies, in Kazakh 11 520 copies, in English 9600 copies. The fund of literature on OP 7M11301 Organization of Road Freight, Traffic & Transport Operation in Russian is 1046 copies, in Kazakh 157 copies.

The electronic catalog of library resources is located on the university's website and gives access to textbooks, scientific works, including electronic versions of individual textbooks and teaching materials. The electronic library is designed to provide each student with the necessary educational materials on-line. Digital educational and methodological complexes of disciplines are also in the public domain.

In interviews, students indicate that all types of written works are tested using an Anti-Plagiarism system StrikePlagiarism.com according to the requirements set out in the R NJSC "EKTU" 038 "Regulation on the procedure for checking all types of written works for the presence of borrowings".

Students and employees have access to the Internet resources of the university both through the local version and the mobile application.

Students indicate in interviews that there are a sufficient number of Wi-Fi access points on the territory of the university and in dormitories; at the same time, it follows from the survey of teaching staff that teachers would like to improve access to the Internet.

All IT services of the university are implemented on the principle of "one window". Each student has a mobile version of the Student's Personal Account application. The schedule, academic performance, all university news, information about the transfer of classes, etc. are available to the student in the mobile version. Each student can download the application in the free online market (APP Store, GooglePlay). Educational and methodological complexes of disciplines are also available here, which can also be downloaded. Teaching staff and students have access to electronic journals and databases.

The resource planning system of the DP is aimed at eliminating the causes of non-compliance of the characteristics of the educational process with the requirements of consumers. Planning stages: an assessment of the real level of resource provision and the existing needs in structural units is carried out; an analysis of the effectiveness of the use of available resources is carried out; an assessment of the degree of their impact on the quality of the results of the units' activities is made; the opinion of students on the quality of the resource provision of the educational program is taken into account.

In addition, by means of a questionnaire, the opinion of the heads of organizations or departments in whose direct subordination these graduates work is taken into account, on the discrepancy between the level of theoretical and practical training in the formation of competencies necessary for the implementation of certain types of activities in the performance of official duties. Then an application is formed with a justification and the actual need for resources for the next financial year.

In general, surveys show that the available material and technical equipment is sufficient for the existing contingent of students enrolled under accredited DP.

With the development of scientific and technological progress, the emergence of the latest equipment and software used in the field of land cadastre and land management, the School of Earth Sciences monitors the existing material and technical means, and, if there is a need to update or replace them, submits applications to the public procurement portal.

So, in 2021 geodetic and aerial photography equipment was purchased for DP 6B07312 Land Cadastre and Land Management through the public procurement portal in the amount of 23,247,321.43 tenge: an aircraft (quadcopter) DJI P4 - 1 pc. and its accessories (battery - 3 pcs., propellers – 2 pcs., tripod – 1 pc., radio receiver GNSS – 1 pc.), satellite equipment GNSS SP60 – 1 set, satellite equipment GNSS SP90 – 1 set, voltage converters for satellite equipment – 4 pcs., Farmer Pro software for laboratory amplification classes on transferring the boundaries of land plots, coordinating territories, obtaining orthophotos and aerial photographs, digital thematic mapping.

### ***Analytical part***

Remote inspection and analysis of the submitted documents shows that the material and technical support and infrastructure are at a sufficient level for the quality of the educational process.

The university demonstrates the existence of support systems for various groups of students, including the current mechanism of inclusive education.

The information resources involved in the implementation of DP 6B07312 Land Cadastre and Land Management and DP 7M11301 Organization of Road Freight, Traffic & Transport Operation are sufficient, and their updating is progressing. The EEC notes strict quality control of written work by students by checking for plagiarism.

In accordance with the regulations in force at the university, occupational health and safety are provided for the organization of the educational process.

### ***Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- According to this standard, DP have no strengths.

### ***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- There are no recommendations for this standard.

### ***Conclusions of the EEC according to the criteria:***

**According to the standard «Educational resources and student support systems» for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 9 criteria were disclosed, of which 9 have a satisfactory position.**

### ***6.9. Standard «Informing the public»***

✓ *The EO must publish reliable, objective, up-to-date information about the degree program and its specifics, which should include:*

- *expected learning outcomes of the implemented degree program;*
- *qualifications and/or qualifications that will be awarded upon completion of degree program;*
- *teaching and learning approaches, as well as the system (procedures, methods, and forms) of assessment;*
- *information about passing grades and learning opportunities available to students;*
- *information about employment opportunities for graduates.*

✓ *The management of the DP should provide for a variety of ways to share information, including the media, information networks to inform the general public and interested parties.*

- ✓ *Informing the public should include support and explanation of the country's national development*



programs and the development of higher and postgraduate education system.

✓ The EO must reflect on the web resource information describing it as a whole and in the context of degree programs.

✓ An important factor is the availability of adequate and objective information about the teaching staff of the DP.

✓ An important factor is informing the public about cooperation and interaction with partners of the DP.

### ***The evidentiary part***

The university publishes information about DP, teaching, training, evaluation procedures, passing scores, educational opportunities provided to students, expected learning outcomes, academic degree/qualification awarded, as well as employment opportunities for graduates through a unified information support system for students and teaching staff, including the university's website.

Information about the implemented DP 6B07312 Land Cadastre and Land Management indicating the expected learning outcomes is posted on the university's website, as well as similar information about the implemented DP 7M11301 Organization of Road Freight, Traffic & Transport Operation indicating the expected learning outcomes.

The qualification characteristics of the graduate of DP 6B07312 Land Cadastre and Land Management can be found at the link, and the qualification characteristics of the graduate of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation can be found at the link on the university's website.

The first-year Student's Guidebook contains information about the organization of the educational process, the procedure for registration for elective courses, the system of control and assessment of knowledge, academic mobility of students, etc.

The university's website contains detailed information about teaching staff.

All information about passing scores and educational opportunities is provided in the relevant IRD.

Information on the employment of graduates is available on the university's website. The control of graduates' employment is carried out by collecting certificates from the place of work.

Mailing lists, booklets and information on the website are used to inform graduates about employment opportunities

Informing all interested parties about the DP takes place through the university's website, electronic means of communication (e-mail, mass media) and distribution of printed information.

Public awareness provides support and explanation of the national development programs of the country and the system of higher and postgraduate education. There are tabs on the university's website where state programs, regulatory documents of the Ministry of Education and Science of the Republic of Kazakhstan are posted. There are separate tabs dedicated to degree programs.

The management of the school, the heads of the DP give explanations on the prospects for the development of new directions for DP 6B07312 Land Cadastre and Land Management and DP 7M11301 Organization of Road Freight, Traffic & Transport Operation in the news of the EKTU, in the media.

On Instagram of the University, live broadcasts are held with the deans of schools on obtaining the necessary information about degree programs and various topical issues of students, applicants, employers (DP 6B07312 Land Cadastre and Land Management), announcements are posted about events held at the school, student competitions, Olympiads, scientific conferences, etc.

The main means of informing the public (future students, their parents, students, graduates and employers) is the official website of the University – <https://www.ektu.kz/>, social media accounts.

To provide information to the internal environment, a corporate media resource is actively used – the university newspaper "For knowledge". There are other ways of spreading

information at the University: printed materials, exhibitions, promotions, flash mobs. The media for publication have been identified – these are republican and regional newspapers, television channels. All publications are informational, image, explanatory in nature. In particular, the teachers of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation took part in the action of the Ministry of Internal Affairs, conducted by the administrative police of the DP East Kazakhstan Region, and in the work of the commission (repair of the city's road network) with the participation of the akim of Ust-Kamenogorsk.

Information about the university's partners is published on the main page of the website.

The main strategic partners of DP 7M11301 Organization of Road Freight, Traffic & Transport Operation are: Altai State Technical University named after I.I. Polzunov, Moscow Automobile and Road Institute, Altai State University, Siberian State University of Railways and Communications, Novosibirsk State Technical University.

All information about NJSC "EKTU" is published in the "EKTU News" tabs and "Media about us".

### ***Analytical part***

The study of the information provided on the website, university, social networks, Self-assessment Report, questionnaires of teaching staff and students, as well as in the answers during the interview allows us to conclude that a sufficiently large amount of information about the NJSC "EKTU" is available to interested persons. The portfolio of teaching staff, information about accredited DP is publicly available.

The EO is represented in the media and social networks, although the activity of different structural units and schools varies. The public is informed about the events taking place at the university, a lot of attention is paid to image work.

At the same time, EEK notes that site navigation is inconvenient, there are a large number of links in the tabs, in which it is easy to get confused. For example, information about the teaching staff is presented only in general for the EO. There is no information about teaching staff within the school or DP, although stakeholders would most likely like to know who exactly teaches at a particular DP. It is also noted that it is not always possible to find out news about the adjustment of the DP; the news of schools, DP are not highlighted separately.

### ***Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- According to this standard, DP have no strengths.

### ***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

- The management of the university and the DP is recommended to post information about the teaching staff on the university's website not only in general on the EO, but also to duplicate the relevant information within individual Schools or the DP. Term: from January 01, 2024.

### ***Conclusions of the EEC according to the criteria:***

According to the standard «Informing the public» for the degree programs 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation, 10 criteria are disclosed, of which 9 have a satisfactory position, 1 suggests improvement.

**(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD*****Strengths/best practice on DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:******Standard «Degree program management»***

- The teaching staff of the DP is actively undergoing training in numerous educational programs – over the past 3 years, only the heads of the DP have received more than 15 different certificates, many of which are aimed at improving pedagogical skills and obtaining special skills in the disciplines of the DP. At the same time, 4 certificates were obtained for educational management programs, 2 of them are foreign. Such activity in teaching teaching staff should be recognized as a positive experience.

***Standard «Information management and reporting»***

- According to this standard, DP have no strengths.

***Standard «Development and approval of the degree program»***

- According to this standard, DP have no strengths.

***Standard «Continuous monitoring and periodic evaluation of the degree program»***

- According to this standard, DP have no strengths.

***Standard «Student-centered learning, teaching, and performance assessment»***

- According to this standard, DP have no strengths.

***Standard «Students»***

- According to this standard, DP have no strengths.

***Standard «Teaching staff»***

- The management of the DP demonstrates concern for employees, a lot of attention is paid to the development of human potential and the creation of comfortable working conditions. As a positive experience, the implementation of the project "EKTU.Otbasy - the territory of well-being \*Well being" should be noted.

***Standard «Educational resources and student support systems»***

- According to this standard, DP have no strengths.

***Standard «Informing the public»***

- According to this standard, DP have no strengths.



**(VIII) OVERVIEW RECOMMENDATIONS FOR QUALITY IMPROVEMENT FOR EACH STANDARD**

***Recommendations for DP 6B07312 Land Cadastre and Land Management, 7M11301 Organization of Road Freight, Traffic & Transport Operation:***

***Standard «Degree program management»***

- The management of the DP should develop a procedure for determining the degree of risk impact and the likelihood of their occurrence, as well as provide for risk management actions within the framework of relevant planning documents. (Deadline: 01.01.2024);
- The management of the EO to develop and implement a mechanism for the analysis and implementation of innovative proposals in the IQAS, not only in the field of research work, but also in educational and educational work. (Deadline: 06.30.2024)

***Standard «Information management and reporting»***

- There are no recommendations for this standard.

***Standard «Development and approval of the degree program»***

- The management of the DP is recommended to consider the possibility of obtaining additional qualifications/certification by students during the training period. (Deadline: 06.30.2025).

***Standard «Continuous monitoring and periodic evaluation of the degree program»***

- It is advisable for the management of the DP to adjust the content of the official page with the description of the DP, indicating the date and a brief description of the latest changes in the DP. (Deadline: 09.01.2023).

***Standard «Student-centered learning, teaching, and performance assessment»***

- The management of the EO is recommended to develop and implement a mechanism for providing an individual training plan to certain categories of students and undergraduates in order to provide additional opportunities for their personal growth or solving state tasks and strengthening the image of the university and the region. (Deadline: 09.01.2024);
- The management of the EO is recommended to include in the KPI of the teaching staff indicators for evaluating the innovative activity of teachers in the field of academic work and to encourage the activation of activities in this area. (Deadline: 06.30.2024).

***Standard «Students»***

- The management of the DP is recommended to plan measures to activate the process of academic mobility of students of the DP according to the concluded contracts, as well as to conclude appropriate agreements with foreign partners. (Deadline: 06.30.2025).

***Standard «Teaching staff»***

- The management of the DP is recommended to develop a strategic plan to increase the share of full-time teaching staff with an academic degree. (Deadline: 06.30.2025);
- The management of the EO is recommended to develop and implement a procedure for recognizing, registering and encouraging innovative teaching methods. (Deadline: 06.30.2024).

***Standard «Educational resources and student support systems»***

- There are no recommendations for this standard.

***Standard «Informing the public»***

- The management of the university and the DP is recommended to post information about the teaching staff on the university's website not only in general on the EO, but also to duplicate the relevant information within individual Schools or the DP. Term: from January 01, 2024.



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

The survey of students and teaching staff indicates the need to accelerate the renewal of the material and technical base. It is recommended to increase the number of classrooms equipped with modern multimedia tools for the educational process (projectors, interactive panels, graphic tablets). Repair, updating of the classroom fund is also in demand by students and teaching staff.

One of the recommendations based on the study of the opinion of the teaching staff is to improve access to the Internet and accelerate the replenishment of the library fund with special literature in the Kazakh language.



**(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL**

The members of the EEC came to the unanimous opinion that the DP 7M11301 Organization of Road Freight, Traffic & Transport Operation, 6B07312 Land Cadastre and Land Management is recommended for accreditation for a period of 5 years.





**Appendix 1. EVALUATION TABLE "CONCLUSION OF THE EXTERNAL EXPERT COMMISSION"**

**for DP 7M11301 Organization of Road Freight, Traffic & Transport Operation,  
6B07312 Land Cadastre and Land Management**

№ s/i	№ s/i	Evaluation\Criteria	The position of the organization of education			
			strong	satisfactory	suggests improvement	unsatisfactory
<b>The standard "Degree program management"</b>						
1	1.	The organization of higher and (or) postgraduate education should have a published quality assurance policy that reflects the relationship between scientific research, teaching and learning		+		
2	2.	The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of DP		+		
3	3.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility		+		
4	4.	The management of the DP demonstrates transparency in the development of the DP development plan containing the start dates of implementation, based on an analysis of its functioning, the real positioning of the EO and the orientation of its activities to meet the needs of the state, employers, students and other interested parties		+		
5	5.	The management of the DP demonstrates the existence of mechanisms for the formation and regular revision of the development plan of the DP and monitoring its implementation, assessing the achievement of training goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the DP		+		
6	6.	The management of the DP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of the development plan of the DP		+		
7	7.	The management of the DP must demonstrate the individuality and uniqueness of the development plan of the DP, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education		+		
8	8.	The organization of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within the framework of the DP, an unambiguous distribution of staff duties, and the differentiation of functions of collegial bodies		+		
9	9.	The management of the educational institution must provide evidence of the transparency of the educational program management system		+		
10	10.	The management of the DP must demonstrate the existence of		+		

		an internal quality assurance system of the DP, including its design, management and monitoring, their improvement, and fact-based decision-making				
11	11.	The management of the DP should carry out risk management, including within the framework of the SP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk			+	
12	12.	The management of the educational institution should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program			+	
13	13.	The OE should demonstrate innovation management within the framework of the DP, including the analysis and implementation of innovative proposals			+	
14	14.	The management of the DP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested persons			+	
15	15.	The management of the DP should be trained in educational management programs	+			
<b>Total according to the standard</b>			<b>1</b>	<b>12</b>	<b>2</b>	
<b>The standard «Information Management and Reporting»</b>						
16	1.	The EO should demonstrate the availability of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools and that it uses a variety of methods for collecting and analyzing information in the context of the DP			+	
17	2.	The management of the DP should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system			+	
18	3.	The management of the DP should demonstrate fact-based decision-making			+	
19	4.	A system of regular reporting reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of structural units, scientific research, should be provided within the framework of the DP.			+	
20	5.	The EO should establish the frequency, forms and methods of assessing the management of the DP, the activities of collegial bodies and structural units, senior management, and the implementation of scientific projects			+	
21	6.	The EO must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of responsible persons for the reliability and timeliness of the analysis of information and the provision of data			+	
22	7.	An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them			+	
23	8.	The management of the DP should demonstrate the existence of a mechanism for communication with students, employees and other stakeholders, as well as conflict resolution mechanisms.			+	
24	9.	The EO should demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the DP			+	

25	10.	The EO should demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the DP		+		
<i>The information intended for collection and analysis within the framework of the DP should take into account:</i>						
26	11.	key performance indicators		+		
27	12.	the dynamics of the contingent of students in the context of forms and types		+		
28	13.	the level of academic performance, student achievements and expulsion		+		
29	14.	satisfaction of students with the implementation of the DP and the quality of education at the university		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	The EO must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documentary consent.		+		
<b>Total according to the standard</b>				<b>16</b>		
<b>The standard "Development and approval of the degree program"</b>						
32	1.	The EO should define and document the procedures for the development of the DP and their approval at the institutional level		+		
33	2.	The management of the DP should ensure that the content of the DP meets the established goals, including the expected learning outcomes		+		
34	3.	The management of the DP should demonstrate the existence of mechanisms for reviewing the content and structure of the DP, taking into account changes in the labor market, the requirements of employers and the social request of society		+		
35	4.	The management of the DP should ensure the availability of developed models of the graduate of the DP, describing the learning outcomes and personal qualities		+		
36	5.	The management of the DP must demonstrate the conduct of external examinations of the content of the DP and the planned results of its implementation		+		
37	6.	The qualification assigned upon completion of the DP must be clearly defined and correspond to a certain level of the NQF and QF-EHEA		+		
38	7.	The management of the DP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
39	8.	An important factor is the possibility of training students for professional certification			+	
40	9.	The management of the DP must provide evidence of the participation of students, teaching staff and other interested parties in the development of the DP, ensuring its quality		+		
41	10.	The management of the DP should ensure that the content of academic disciplines and the planned results correspond to the level of education (bachelor's, master's, doctoral studies)		+		
42	11.	The structure of the DP should provide for various types of activities that ensure that students achieve the planned learning outcomes		+		
43	12.	An important factor is the correspondence of the content of the DP and the results of the training of the DP, implemented by organizations of higher and (or) postgraduate education in the EHEA		+		
<b>Total according to the standard</b>				<b>11</b>	<b>1</b>	
<b>The standard "Continuous monitoring and periodic evaluation of the degree program"</b>						

44	1.	The EO should define mechanisms for monitoring and periodic evaluation of the DP to ensure the achievement of the goal and meet the needs of students, society and show the orientation of the mechanisms for the continuous improvement of the DP		+		
<i>Monitoring and periodic evaluation of the DP should include:</i>						
45	2.	the content of the program in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught		+		
46	3.	changes in the needs of society and the professional environment		+		
47	4.	the workload, academic performance and graduation of students		+		
48	5.	the effectiveness of procedures for assessing students		+		
49	6.	expectations, needs and satisfaction of students with training in the DP		+		
50	7.	the educational environment and support services, and their compliance with the goals.		+		
51	8.	The management of the DP should demonstrate a systematic approach to monitoring and periodic evaluation of the quality of the DP.		+		
52	9.	The EO, the management of the DP should define a mechanism for informing all interested parties about any planned or undertaken actions in relation to the DP.		+		
53	10.	All changes made to the DP must be published.		+		
<b>Total according to the standard</b>				<b>10</b>		
<b>The standard "Student-centered learning, teaching, and performance assessment"</b>						
54	1.	The management of the DP should ensure respect and attention to different groups of students and their needs, provide them with flexible learning paths			+	
55	2.	The management of the DP should provide for the use of various forms and methods of teaching and learning.		+		
56	3.	An important factor is the availability of own research in the field of teaching methods of educational disciplines.			+	
57	4.	The management of the DP should demonstrate the existence of feedback mechanisms for the use of various teaching methods and evaluation of learning outcomes		+		
58	5.	The management of the DP should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher		+		
59	6.	The management of the DP must demonstrate the existence of a procedure for responding to complaints from students		+		
60	7.	The EO should ensure consistency, transparency and objectivity of the learning outcomes assessment mechanism for each DP, including the appeal		+		
61	8.	The EO should ensure that the procedures for evaluating the learning outcomes of the students of the DP correspond to the planned results and goals of the program, the publication of criteria and evaluation methods in advance		+		
62	9.	The EO should define mechanisms to ensure that each graduate of the DP achieves learning outcomes and ensures the completeness of their formation		+		
63	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area		+		
<b>Total according to the standard</b>				<b>8</b>	<b>2</b>	
<b>The standard "Students"</b>						
64	1.	The EO must demonstrate the existence of a policy for the		+		



		formation of a contingent of students in the context of the DP, ensure transparency and publication of its procedures governing the life cycle of students (from admission to completion)				
<i>The management of the DP should determine the order of formation of the contingent of students based on:</i>						
65	2.	minimum requirements for applicants		+		
66	3.	of the maximum group size during seminars, practical, laboratory and studio classes		+		
67	4.	forecasting the number of state grants		+		
68	5.	analysis of available material and technical, information resources, human		+		
69	6.	resources, analysis of potential social conditions for students, including the provision of places in the dormitory		+		
70	7.	The management of the DP should demonstrate readiness to conduct special adaptation and support programs for newly enrolled and foreign students		+		
71	8.	The EO must demonstrate compliance of its actions with the Lisbon Recognition Convention, the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education		+		
72	9.	The EO should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications		+		
73	10.	The EO should provide an opportunity for external and internal mobility of DP students, as well as readiness to assist them in obtaining external grants for training			+	
74	11.	The DP management should demonstrate readiness to provide students with internship places, promote the employment of graduates, and maintain communication with them		+		
75	12.	The educational institution should provide for the possibility of providing DP graduates with documents confirming their qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and certificates of its completion		+		
<b>Total according to the standard</b>				<b>11</b>	<b>1</b>	
<b>The standard "Teaching staff"</b>						
76	1.	The EO should have an objective and transparent personnel policy, including in the context of the DP, including hiring, professional growth and development of personnel, ensuring the professional competence of the entire staff		+		
77	2.	The EO must demonstrate the compliance of the personnel potential of the teaching staff with the specifics of the DP			+	
78	3.	The management of the DP must demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them	+			
79	4.	The management of the DP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+		
80	5.	The EO should determine the contribution of the TS DP to the implementation of the development strategy of the EO and other strategic documents		+		
81	6.	The EO should provide opportunities for career growth and professional development of the teaching staff of the DP		+		
82	7.	The management of the DP should demonstrate readiness to involve practitioners of relevant sectors of the economy in teaching		+		

83	8.	The EO should demonstrate the motivation of the professional and personal development of the teachers of the DP, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods			+	
84	9.	An important factor is the readiness to develop academic mobility within the framework of the DP, to attract the best foreign and domestic teachers			+	
<b>Total according to the standard</b>			<b>1</b>	<b>6</b>	<b>2</b>	
<b>The standard "Educational resources and student support systems"</b>						
85	1.	The EO should guarantee a sufficient number of educational resources and student support services to ensure the achievement of the goal of the DP			+	
86	2.	The EO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of educational institutions (adults, working, foreign students, as well as students with disabilities)			+	
87	3.	The management of the DP should demonstrate the existence of support procedures for various groups of students, including information and counseling			+	
<i>The management of the DP must demonstrate compliance of information resources with the specifics of the DP, including:</i>						
88	4.	technological support for students and teaching staff (for example, online training, modeling, databases, data analysis programs)			+	
89	5.	library resources, including the fund of educational, methodological and scientific literature on general education, basic and profile disciplines on paper and electronic media, periodicals, access to scientific databases			+	
90	6.	examination of research results, graduation papers, dissertations for plagiarism			+	
91	7.	access to educational Internet resources			+	
92	8.	functioning of WI-FI on the territory of the educational organization			+	
93	9.	The OO demonstrates the planning of providing the OP with educational equipment and software tools similar to those used in the relevant sectors of the economy			+	
<b>Total according to the standard</b>				<b>9</b>		
<b>The standard "Informing the public"</b>						
<i>The EO must publish reliable, objective, up-to-date information about the degree program and its specifics, which should include:</i>						
94	1.	expected learning outcomes of the implemented degree program			+	
95	2.	qualifications and/or qualifications that will be awarded upon completion of the degree program			+	
96	3.	teaching and learning approaches, as well as the system (procedures, methods, and forms) of assessment			+	
97	4.	information about passing grades and learning opportunities available to students			+	
98	5.	information about employment opportunities for graduates			+	
99	6.	The management of the DP should provide for a variety of ways to share information, including the media, information networks to inform the general public and interested parties			+	
100	7.	Informing the public should include support and explanation of the country's national development programs and the development of higher and postgraduate education system			+	
101	8.	The EO must reflect on the web resource information describing it as a whole and in the context of degree programs			+	

102	9.	An important factor is the availability of adequate and objective information about the teaching staff of the DP			+	
103	10.	An important factor is informing the public about cooperation and interaction with partners of the DP		+		
<b>Total according to the standard</b>				<b>9</b>	<b>1</b>	
<b>STANDARD TOTAL</b>			<b>2</b>	<b>92</b>	<b>9</b>	



## Appendix 2. THE PROGRAM OF THE VISIT TO THE EDUCATIONAL ORGANIZATION

**AGREED**

**Chairman of the Board - Rector**

S.J. Rakhmetullina

"11" April 2023

**APPROVED**

**Director General, Independent Accreditation and Rating Agency**

A.B. Zhumagulova

"11" April 2023

### **PROGRAMME OF VISIT OF INDEPENDENT ACCREDITATION AND RATING AGENCY (IAAR) EXTERNAL EXPERT COMMISSION TO NJSC "D. SERIKBAYEV EAST KAZAKHSTAN TECHNICAL UNIVERSITY" (SPECIALIZED AND PRIMARY SPECIALIZED ACCREDITATION)**

**Hybrid visit date: 25 - 27 April 2023**

*The program was developed taking into account the time of Ust-Kamenogorsk*

<b>Cluster</b>	<b>Degree program</b>
Cluster 1. Specialised accreditation	1) 6B04107 Social Media Marketing (joint degree program with the International University of Information Technology) 2) 7M04107 Social Media Marketing (joint degree program with the International University of Information Technology)
Cluster 2. Primary specialised accreditation	3) 6B07109 Medical Engineering (Medical Equipment) (joint degree program with Semey Medical University) 4) 7M04102 Technological Entrepreneurship (joint degree program with Karaganda University of Kazpotrebooyuz)
Cluster 3. Primary specialized accreditation	5) 6B04109 State Financial Management 6) 6B11202 Innovative Safety Management of Natural and Man-made Emergencies
Cluster 4. Primary specialized accreditation	7) 6B07312 Land Cadastre and Land Management 8) 7M11301 Organization of Road Freight, Traffic & Transport Operation
Cluster 5. Specialised accreditation	9) 6B07309 BIM-technology in Designing 10) 7M07312 Land Cadastre and Land Management
Cluster 6. Specialised accreditation	11) 8D05401 Mathematics 12) 8D07103 Heat Power Engineering



Date and time (Ust Kamenogorsk time, GMT+6)	The work of the EEC with the target groups	Position and name of target group participants	Place of procedure / Form of communication
<b>April 21, 2023</b>			
<b>15.00 - 16.00</b>	<b>Pre-meeting of the EEC</b> <i>(discussion of key issues and programme of the visit)</i>	<i>IAAR external experts</i>	Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 (for EEC only)
<b>Day 1: April 25, 2023</b>			
<b>10.00 - 10.30</b>	<b>Allocation of responsibilities to experts, dealing with organisational issues</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b> (19 Serikbaeva Street) Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 (for EEC only)
<b>10.30 - 11.00</b>	<b>Interview with the Chairman of the Board - Rector</b> <i>(The interview will be organised in a hybrid format: on-/off-line)</i>	Rakhmetullina Saule Jadygerovna, PhD, Associate Professor, <i>Chairman of the Board - Rector of "D. Serikbayev EKTU"</i>	<b>Auditorium G-1-101</b> (19 Serikbaeva Street) Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662
<b>11.00 - 11.15</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Аудитория Г-1-101</b>
<b>11.15 - 11.45</b>	<b>Interviews with Members Board of Vice- Chancellors</b> <i>(The interview will be organised in a hybrid format: on/off-line)</i>	1. <i>Member of the Board, Vice-rector for Academic Affairs of "D. Serikbayev EKTU"</i> - Konurbayeva Jadyra Tusupkanovna, PhD, Associate Professor 2. <i>Member of the Board - Vice-rector for scientific and research activities</i> - Denisova Natalya Fedorovna, PhD in Physics and Mathematics, Associate Professor 3. <i>Member of the Board - vice-rector of planning and economic activity of "VKTU named after D. Serikbayev"</i> - Beisembayeva Galiya Mustapayevna, Candidate of	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662

		Economic Sciences	
<b>11.45 - 12.00</b>	<b>Interviews with the Vice-Chancellors of partner universities</b> <i>(The interview will be organised in a hybrid format: on-/off-line)</i>	<ol style="list-style-type: none"> <li>1. <i>Vice-Rector for Academic and Educational Activities of the International University of Information Technologies</i> - Akkyz Kurakovna Mustafina, PhD, Associate Professor</li> <li>2. <i>Vice-Rector for Academic Affairs and Strategic Development, Karaganda Kazpotrebsoyuz University</i> - Gulmira Yermekovna Nakipova, Doctor of Economics, Professor</li> <li>3. <i>Vice-rector for Academic and Educational Work of NJSC «Semey Medical University»</i> - Zhanargul Kayirgalieвна Smailova, Candidate of Medical Sciences</li> </ol>	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662
<b>12.00 - 12.15</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-101</b>

<p><b>12.15 - 13.00</b></p>	<p><b>Interviews with heads of departments</b> (<i>Interviews will be organized in a hybrid format: on/off-line</i>)</p>	<ol style="list-style-type: none"> <li>1. <i>Head of Academic Affairs</i> - Asiya Hasenovna Mashekenova, Candidate of Technical Sciences</li> <li>2. <i>Head of the Organisation and Monitoring of the Educational Process</i> - Oxana Kasymovna Denisova, PhD in economics, Associate Professor</li> <li>3. <i>Acting Head of the Registrar's Office</i> - Meruert Sabyrovna Zhaijatyrova</li> <li>4. <i>Director of the Careers Centre</i> - Svetlana Alexandrovna Trofimenko</li> <li>5. <i>The head of the Admission Board</i> - Gulnar Ersainovna Muslimanova, Candidate of Technical Sciences</li> <li>6. <i>Director of the Department of Scientific and Research Activities</i> - Gulzhaz Keneshankyzy Uazirkhanova, PhD, Associate Professor</li> <li>7. <i>Head of Centre "POSTGRADUATE"</i> - Elena Nikolaevna Ivashchenko, Candidate of Chemical Sciences</li> <li>8. <i>Head of International Cooperation</i> - Tair Anuarbekuly Mukhamadiev</li> </ol>	<p><b>Auditorium G-1-101</b></p> <p>Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a></p> <p>Conference ID: 494 124 0662</p>
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<b>13.00 - 13.15</b>	<b>The work of the EEC</b>	<i>IAAR external experts</i>	<p><b>Auditorium G-1-139</b></p> <p>Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a></p> <p>Conference ID: 494 124 0662 (for EEC only)</p>
<b>13.15 - 14.15</b>	<b>Lunch</b>	<i>IAAR external experts</i>	<b>«Granat» Cafe</b>
<b>14.15 - 14.30</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<p><b>Auditorium G-1-139</b></p> <p>Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a></p> <p>Conference ID: 494 124 0662 (for EEC only)</p>

14.30 - 15.00	<b>Interviews with deans/directors of institutes (schools)</b> (The interview will be organised in a hybrid format: on-/off-line)	<ol style="list-style-type: none"> <li>1. <i>Deputy Dean of the Faculty of Basic Engineering Training</i> - Aringozhina Zarina Yerzhanovna</li> <li>2. <i>Dean of the School of Information Technology and Intelligent Systems</i> - Saule Kumarganova, Candidate of Technical Sciences, Associate Professor</li> <li>3. <i>Dean of the School of Business and Entrepreneurship</i> - Zakimova Alfiya Manarbekovna, PhD in Economics</li> <li>4. <i>Dean of the School of Nuclear and Conventional Energy Technology</i> - Akayev Aibek Muratbekovich, PhD</li> <li>5. <i>Dean of the School of Metallurgy and Mineral Processing</i> - Onalbayeva Zhanar Sagidoldinovna, PhD</li> <li>6. <i>Acting Dean of the School of Architecture and Construction</i> - Ayazhan Kalelkhonovna Aytkazina</li> <li>7. <i>Deputy Dean of the School of Earth Sciences</i> - Zhanna Alexandrovna Asylkhanova</li> <li>8. <i>Deputy Dean School of Mechanical Engineering</i> - Baygereev Samat Rakimgalievich, PhD</li> </ol>	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662
15.00 - 15.10	<b>Interviews with the deans/directors of the partner institution(s)</b> (The interview will be organised in a hybrid format: on-/off-line)	<ol style="list-style-type: none"> <li>1. <i>Dean faculty digital transformation International University of Information Technology</i> - Mukhamadieva Ardak Gabitovna</li> <li>2. <i>Dean of the Faculty of Economics, Management and Entrepreneurship of the Karaganda University of Kazpotrebsoyuz</i> - Galiya Ilyasovna Gimranova, PhD in Economics, Professor</li> <li>3. <i>Dean of the School of Public Health, Dentistry, Pharmacy and Nursing of NJSC «Semey Medical University»</i> - Ynkar Akimzhanovna Kairkhanova, PhD</li> </ol>	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662
15.10 - 15.25	<b>Technical break</b>	IAAR external experts	<b>Auditorium G-1-101</b>
15.25 - 16.05	<b>Interviews with heads of departments, heads of DP (In parallel)</b> (The interview will be	<b>Heads of DP clusters 1, 2, 3, 6:</b> <ol style="list-style-type: none"> <li>1. <i>Head of DP 6B04107 Social Media Marketing, DP 6B04109 State Financial Management</i> - Guljan Alpekovna Baitikenova</li> </ol>	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a>



<p>organized in a hybrid format: on-/off-line)</p>	<p>2. <i>Head of DP 7M04107 Social Media Marketing, DP 7M04102 Technological Entrepreneurship</i> - Madina Umargalievna Rakhimberdinova, PhD, Associate Professor</p> <p>3. <i>Head of DP 6B07109 Medical Engineering (Medical Equipment)</i> - Orazova Araylym Zhanbolatkyzy</p> <p>4. <i>Head of DP 6B11202 Innovative Safety Management of Natural and Man-made Emergencies</i> - Idrisheva Janat Kabylbekovna, Candidate of Technical Sciences, Associate Professor</p> <p>5. <i>Head of DP 8D05401 Mathematics</i> - Rakhmetullina Zhenisgul Toleukhanovna, Candidate of Physical and Mathematical Sciences</p> <p>6. <i>Head of DP 8D07103 Heat Power Engineering</i> - Segeda Tamara Aleksandrovna, Candidate of Physical and Mathematical Sciences, Associate Professor</p> <p>7. <i>Head of the Foreign Languages Department</i> - Khasenova Lira Nurlanovna</p> <p><b>Head of department at partner universities:</b></p> <p>8. <i>Head of the Department "Media Communications and History of Kazakhstan" of IUIT</i> - Aigul Askarbekovna Niyazgulova, Candidate of Philology</p> <p>9. <i>Head of Department of Economics and Entrepreneurship of Karaganda University of Kazpotrebsoyuz</i> - Karina Anvarovna Nevmatulina, PhD</p> <p>10. <i>Head of the Department of Physiological Disciplines named after Honored Scientist of the RK T.A. Nazarova of NJSC "SMU"</i> - Rakhyzhanova Saule Oryngazyevna, Candidate of Medical Sciences</p> <p>11. <i>Head of the Department of Biochemistry and Chemical Disciplines of NJSC "SMU"</i>- Rauza Romanovna Olzhaeva, Candidate of Biology</p>	<p><a href="https://web.zoom.us/j/4941240662">02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 (Zoom 1 session hall)</p>
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		<b>Heads of DP clusters 4, 5</b> 1. <i>Head of DP 6B07312 Land Cadastre and Land Management - Gusarenko Yulia Dmitrievna</i> 2. <i>Head of DP 7M11301 Organization of Road Freight, Traffic &amp; Transport Operation - Gulnur Nurlybekovna Konarbaeva</i> 3. <i>Head of DP 6B07309 BIM-technology in Designing - Makhiev Bekbolat Yespulovich, Candidate of Technical Sciences, Associate Professor</i> 4. <i>Head of DP 7M07312 Land Cadastre and Land Management - Marzhan Esenbekovna Rakhimberdina, PhD, Associate Professor</i>	Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 <i>(Zoom 2 session hall)</i>
<b>16.05 - 16.20</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-101</b>
<b>16.20 - 17.00</b>	<b>Interviews with DP teachers</b> <i>(The interview will be organised in a hybrid format: on-/off-line)</i>	<b>Clusters 1, 2, 3, 6</b> <i>(Appendix No. 1 List of the teaching staff to be interviewed)</i>  <b>Clusters 4, 5</b> <i>(Appendix No. 1 List of the teaching staff to be interviewed)</i>	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 <i>(Zoom 1 session hall)</i>  Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 <i>(Zoom 2 session hall)</i>
<b>17.00 - 17.15</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b>
<b>17.15 - 18.30</b>	<b>Questionnaire survey of teaching staff (in parallel)</b>	<i>All teachers of the assessed DP (Appendix 1.1 List of teaching staff for questionnaires)</i>	<i>The link to the questionnaire will be emailed to the teacher personally</i>
<b>17.15 - 18.00</b>	<b>Visual inspection of the EO (Off-line inspection by participating experts)</b>	<b>Cluster 2, 6</b> <b>Cluster 3</b> <i>6B11202 Innovative Safety Management of Natural and Man-made Emergencies</i>	The itinerary is attached

		<b>Cluster 3</b> <i>Video (10 - 15 minutes video on the infrastructure of DP 6B04109 State Financial Management: classrooms, halls, laboratories, sports and other halls)</i> <b>Clusters 1, 4, 5</b> <i>Videos (10 - 15 minutes video on DP infrastructure: classrooms, halls, laboratories, sports, etc.)</i>	Viewing videos <b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662
<b>18.00 - 18.30</b>	<b>Summary of the first day's work of the EEC</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 (For EEC only)
<b>18.30 - 19.30</b>	<b>Dinner</b>	<i>IAAR external experts</i>	<b>Cafe «Brig»</b>
<b>Day 2: April 26, 2023</b>			
<b>10.00 - 10.20</b>	<b>The work of the EEC</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 (For EEC only)
<b>10.20 - 11.00</b>	<b>Interviews with students</b> ( <i>Interviews will be organised in a hybrid format: on-/off-line</i> )	<b>Clusters 1, 2, 3, 6</b> <i>(Appendix No. 2 List of students)</i>	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 <i>(Zoom 1 session hall)</i>
		<b>Clusters 4, 5</b> <i>(Appendix No. 2 List of students)</i>	Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662 <i>(Zoom 2 session hall)</i>
<b>11.00 - 11.15</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b>

11.15 - 12.00	<b>Survey of students of the DP (in parallel)</b>	<b>All students in the assessed DP</b> ( <i>Appendix 2.1 List of students of the DP for the questionnaire</i> ) ( <i>Ensure participation of at least 40% of the DP student population</i> )	<i>The link to the questionnaire will be emailed to the student personally</i>
11.15 - 13.00	<b>Working with documents</b> ( <i>documents uploaded to cloud folders</i> ) <b>and attending teaching staff classes on a schedule</b> <i>Appendix 1.A "Extract from the schedule of classes of DP clusters" with links to ZOOM (attendance of classes off-line by participating experts in the traditional format)</i>	<b>Cluster 1</b> Cloud link: <a href="https://drive.google.com/drive/folders/1utfAq-IMTP1jwQdzDCiSNT-rRPhC2k?usp=share_link">https://drive.google.com/drive/folders/1utfAq-IMTP1jwQdzDCiSNT-rRPhC2k?usp=share_link</a> <b>Cluster 2</b> Cloud link: <a href="https://drive.google.com/drive/folders/1HxHWwE-anIoIoRdazqHSKR5JvPfl3zwQ?usp=share_link">https://drive.google.com/drive/folders/1HxHWwE-anIoIoRdazqHSKR5JvPfl3zwQ?usp=share_link</a> <b>Cluster 3</b> Cloud link: <a href="https://drive.google.com/drive/folders/1ASMxu_n3L3FOC0ViKCq4FnMOZmmEb7AA?usp=share_link">https://drive.google.com/drive/folders/1ASMxu_n3L3FOC0ViKCq4FnMOZmmEb7AA?usp=share_link</a> <b>Cluster 4</b> Cloud link: <a href="https://drive.google.com/drive/folders/17HLPzPMAvS23OAGAG-QNsivWppmECKke?usp=share_link">https://drive.google.com/drive/folders/17HLPzPMAvS23OAGAG-QNsivWppmECKke?usp=share_link</a> <b>Cluster 5</b> Cloud link: <a href="https://drive.google.com/drive/folders/1H21ZWihaAGKINVBp_Oh9r0QdqZYZW43r?usp=share_link">https://drive.google.com/drive/folders/1H21ZWihaAGKINVBp_Oh9r0QdqZYZW43r?usp=share_link</a> <b>Cluster 6</b> Cloud link: <a href="https://drive.google.com/drive/folders/1Cde4NtJvSKbnbZvN9uK2B6bI0x4XQuTe?usp=share_link">https://drive.google.com/drive/folders/1Cde4NtJvSKbnbZvN9uK2B6bI0x4XQuTe?usp=share_link</a>	Attendance according to schedule  <b>Auditorium G-1-139</b>  Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> Conference ID: 494 124 0662
13.00 - 14.00	<b>Lunch</b>	<i>IAAR external experts</i>	<b>«Granat» Cafe</b>
14.00 - 16.00	<b>Visiting the DP practice bases (in parallel)</b>	<b>Cluster 2, 6</b> <b>Cluster 3</b> ( <i>6B11202 Innovative Safety Management of Natural and Man-made Emergencies</i> ) ( <i>Appendix 4.1 List of practice areas</i> )	Itinerary of practice bases

		<p><b>Cluster 3</b>  <i>Link to video clip (10 - 15 minutes clip about the base of practices of DP 6B04109 State Financial Management)</i>  <b>Clusters 1, 4, 5</b>  <i>Link to video (10 - 15 minutes video on the DP practice bases)</i></p>	<p>Watching videos on the practice bases  <b>Auditorium G-1-139</b>  Connect to the Zoom conference  <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a>  <a href="https://us02web.zoom.us/j/4941240662">us02web.zoom.us/j/4941240662</a>  Conference ID: 494 124 0662</p>
14.00 - 16.00	<p><b>Working with documents</b> (<i>documents uploaded to cloud folders</i>) <b>and attending teaching staff classes on a schedule</b></p>	<p><b>Cluster 1</b> Cloud link:  <a href="https://drive.google.com/drive/folders/1utfAq-IMTP1jwQdzDCiSNT-rRPhC2k?usp=share_link">https://drive.google.com/drive/folders/1utfAq-IMTP1jwQdzDCiSNT-rRPhC2k?usp=share_link</a>  <b>Cluster 2</b> Cloud link:  <a href="https://drive.google.com/drive/folders/1HxHWwE-anIoIoRdazqHSKR5JvPfl.3zwQ?usp=share_link">https://drive.google.com/drive/folders/1HxHWwE-anIoIoRdazqHSKR5JvPfl.3zwQ?usp=share_link</a>  <b>Cluster 3</b> Cloud link:  <a href="https://drive.google.com/drive/folders/1ASMxu_n3L3FOC0ViKCq4FnMOZmmEb7AA?usp=share_link">https://drive.google.com/drive/folders/1ASMxu_n3L3FOC0ViKCq4FnMOZmmEb7AA?usp=share_link</a>  <b>Cluster 4</b> Cloud link:  <a href="https://drive.google.com/drive/folders/17HLPzPMAvS23OAGAG-QNsjvWppmECKke?usp=share_link">https://drive.google.com/drive/folders/17HLPzPMAvS23OAGAG-QNsjvWppmECKke?usp=share_link</a>  <b>Cluster 5</b> Cloud link:  <a href="https://drive.google.com/drive/folders/1H21ZWihAGKINVBp_Oh9r0QdqZYZW43r?usp=share_link">https://drive.google.com/drive/folders/1H21ZWihAGKINVBp_Oh9r0QdqZYZW43r?usp=share_link</a>  <b>Cluster 6</b> Cloud link:  <a href="https://drive.google.com/drive/folders/1Cde4NtJvSKbnbZvN9uK2B6bI0x4XQuTe?usp=share_link">https://drive.google.com/drive/folders/1Cde4NtJvSKbnbZvN9uK2B6bI0x4XQuTe?usp=share_link</a></p>	<p><b>Auditorium G-1-139</b>  Connect to the Zoom conference  <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a>  <a href="https://us02web.zoom.us/j/4941240662">s02web.zoom.us/j/4941240662</a>  Conference ID: 494 124 0662</p>
16.00 - 16.15	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b>
16.15 - 17.00	<p><b>Interviews with graduates of the DP</b>  (<i>The interview will be organized in a hybrid format: on-/off-line</i>)</p>	<p><i>Graduates of DP Clusters 1, 5, 6</i>  (<i>Appendix No. 3 List of DP graduates</i>)</p>	<p><b>Auditorium G-1-101</b>  Connect to the Zoom conference  <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a>  <a href="https://us02web.zoom.us/j/4941240662">02web.zoom.us/j/4941240662</a>  Conference ID: 494 124 0662  (<i>Zoom 1 session hall</i>)</p>



<b>17.00 - 17.10</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-101</b>
<b>17.10 - 17.50</b>	<b>Interviews with DP employers</b> <i>(The interview will be organized in a hybrid format: on-/off-line)</i>	<i>Employers of DP Clusters 1, 5, 6</i> <i>(Appendix No. 4 List of DP employers)</i>	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662 <i>(Zoom 1 session hall)</i>
<b>16.15 - 17.50</b>	<b>Individual work by EEC experts (in parallel)</b>	<i>External experts IAAR clusters 2, 3, 4</i> <i>Continue working with the documents</i>	<b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662 <i>(Zoom 2 session hall)</i>
<b>17.50 - 20.00</b>	<b>EEC work: summing up of the second day and discussion of profile parameters</b> <i>(recording in progress)</i>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662 (For VEC only)
<b>20.00 - 21.00</b>	<b>Dinner</b>	<i>IAAR external experts</i>	<b>Cafe «Brig»</b>
<b>Day 3: April 27, 2023</b>			
<b>10.00 - 11.30</b>	<b>Work of the EEC: Development and discussion of recommendations</b> <i>(recording in progress)</i>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662 (for EEC only)
<b>11.30 - 11.45</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b>
<b>11.45 - 13.00</b>	<b>The work of the EEC: developing and discussing recommendations</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662 (for EEC only)

<b>13.00 - 14.00</b>	<b>Lunch</b>	<i>IAAR external experts</i>	<b>«Granat» Cafe</b>
<b>14.00 - 15.45</b>	<b>Work of the EEC: Decision-making by voting</b> ( <i>recording is in progress</i> )	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662 (for EEC only)
<b>15.45 - 16.00</b>	<b>Technical break</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b>
<b>16.00 - 16.30</b>	<b>Final EEC meeting with university management</b>	<i>University management, BP managers, External IAAR experts</i>	<b>Auditorium G-1-101</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662
<b>16.30 - 18.00</b>	<b>Summing up the work of the EEC</b>	<i>IAAR external experts</i>	<b>Auditorium G-1-139</b> Connect to the Zoom conference <a href="https://us02web.zoom.us/j/4941240662">https://us02web.zoom.us/j/4941240662</a> 02web.zoom.us/j/4941240662 Conference ID: 494 124 0662 (for EEC only)
<b>18.00 - 19.00</b>	<b>Dinner</b>	<i>IAAR external experts</i>	<b>Cafe «Brig»</b>
<b>Departure of offline experts on April 28, 2023</b>			

## Appendix 3. RESULTS OF THE SURVEY OF TEACHING STAFF

### 1. Total number of questionnaires: 57

### 2. Position

Professor	10 people	17,5%
Associate Professor	11 people	19,3 %
Aga Okytushy (Senior Lecturer)	18 people	31,6 %
Okytushy (Teacher)	11 people	19,3 %
Head of Department	3 people	5,3 %
Associate Professor	2 persons	3,4 %
Head of CC Environment and WBCs	1 person	1,8 %
Acting Associate Professor	1 person	1,8 %

### 3. Academic degree, academic rank

ҚР еңбек сіңірген қайраткері (Honoured Worker of the Republic of Kazakhstan)	0 people	0 %
Ғылым докторы (Ph.D.)	3 people	5,3 %
Ғылым кандидаты (PhD)	20 people	35,1%
Master	17 people	29,8 %
PhD	13 people	22,9 %
Professor	1 person	1,8 %
Associate Professor	8 people	14 %
No (Жоқ)	4 people	7 %
Associate Professor	1 person	1,8 %

### 4. Length of service

Less than 1 year	1 person	1,8 %
1 year - 5 years	7 people	12,3 %
Over 5 years	49 people	86 %

№	Questions	Very good	Good	Relatively bad	Bad	Too bad.	No answer
6	To what extent does the content of the study programme meet your academic and professional interests and needs?	42 people (73,7 %)	15 people (26,3 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
7	How do you assess the opportunities provided by the HEI for the professional development of the teaching staff?	32 people (56,1 %)	25 people (43,9%)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
8	How do you assess the opportunities provided by the HEI for the career development of teaching staff?	26 people (45,6 %)	30 people (52,6 %)	1 person (1,8 %)	0 people (0 %)	0 people (0 %)	-
9	How do you assess the degree of academic freedom of the teaching staff	23 people (40,4 %)	33 people (57,9 %)	1 person (1,8 %)	0 people (0 %)	0 people (0 %)	-
	<b>The extent to which teachers can use their own</b>						
10	Strategies	35 people (61,4 %)	22 people (38,6%)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
11	Methods	42 people (73,7 %)	15 people (26,3 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
12	Innovation in the learning process	40 people (70,2 %)	17 people (29,8 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
13	How do you rate the organisation of medical care and disease prevention at the university?	39 people (68,4 %)	16 people (28,1 %)	2 people (3,5%)	0 people (0 %)	0 people (0 %)	-
14	How is the institution's management paying attention to the content of the education programme?	36 people (63,2 %)	21 people (36,8 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
15	How would you rate the sufficiency and	32 people	23 people	2 people	0 people	0 people	-

	accessibility of the necessary scientific and educational literature in the library?	(56,1 %)	(40,4 %)	(3,5%)	(0 %)	(0 %)	
16	What is the level of provision that takes into account the needs of different groups of learners?	29 people (50,9 %)	28 people (49,1 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
	<b>Assess the accessibility of the manual</b>						
17	For students	40 people (70,2 %)	17 people (29,8 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
18	Teachers	40 people (70,2 %)	16 people (28,1 %)	1 person (1,8 %)	0 people (0 %)	0 people (0 %)	-
19	Assess the involvement of the teaching staff in the management and strategic decision-making process	22 people (38,6 %)	33 people (57,9 %)	2 people (3,5%)	0 people (0 %)	0 people (0 %)	-
20	How are teaching staff encouraged to innovate?	22 people (38,6 %)	34 people (59,6 %)	1 person (1,8 %)	0 people (0 %)	0 people (0 %)	-
21	Evaluate the level of feedback from the management	31 people (54,4%)	26 people (45,6 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
22	What is the level of encouragement and involvement of young professionals in the educational process?	25 people (43,9 %)	31 people (54,4%)	0 people (0 %)	1 person (1,9 %)	0 people (0 %)	-
23	Evaluate the opportunities created for professional and personal growth for each teacher and staff member	32 people (56,1 %)	23 people (40,4%)	1 person (1,8 %)	1 person (1,9 %)	0 people (0 %)	-
24	Assess the adequacy of the recognition of teachers' capacities and abilities	25 people (43,9 %)	32 people (56,1 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
	<b>How the work is delivered</b>						
25	• On academic mobility	20 people (35,1 %)	33 people (57,9 %)	4 people (7 %)	0 people (0 %)	0 people (0 %)	-
26	• On professional development of teaching staff	26 people (45,6 %)	27 people (47,4 %)	4 people (7 %)	0 people (0 %)	0 people (0 %)	-
	<b>Appreciate the support of the university and its management</b>						
27	• Faculty research initiatives	26 people (45,6 %)	31 people (54,4%)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
28	• Development of new educational programmes/training courses/methods	30 people (52,6 %)	27 people (47,4 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
	<b>Assess the level of faculty's ability to combine teaching</b>						
29	• With scientific research	25 people (43,9 %)	29 people (50,9 %)	3 people (5,3 %)	0 people (0 %)	0 people (0 %)	-
30	• With practical activities	21 people (36,8 %)	31 people (54,4%)	5 people (8,8%)	0 people (0 %)	0 people (0 %)	-
31	Assess whether the knowledge students receive at the university is in line with the realities of today's labour market	31 people (54,4%)	26 people (45,6 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
32	How do the university management and administration take criticism?	14 people (24,6%)	43 people (75,4 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
33	Assess the extent to which your workload matches your expectations and abilities	21 people (36,8 %)	29 people (50,9 %)	7 people (12,3 %)	0 people (0 %)	0 people (0 %)	-
34	Assess the focus of educational programmes/ curricula on providing students with the ability to analyse situations and make predictions	25 people (43,9 %)	32 people (56,1 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-
35	Assess the extent to which the content and quality of the educational programme meets the expectations of the labour market and employers	29 people (50,9 %)	28 people (49,1 %)	0 people (0 %)	0 people (0 %)	0 people (0 %)	-

**36. Why do you work at this particular university?**

1. The leading technical university of the country, which is the center of advanced engineering education.
2. There is an opportunity to teach in English
3. I am a graduate of this university
4. Strong and promising university
5. I like pedagogical activity and the opportunity to do research and development.
6. Good pay and opportunity for personal growth, as well as the realization of scientific interests
7. Жақсы жалақы, жақсы жұмыс шарт - жағдайы
8. My native university, I opened the specialty "Urban Cadastre" in this university, the university creates all conditions for teaching, scientific activity.
9. Ақпараттық технологиялармен тығыз байланысы, қызметтік өсуге жағдай жасалуы, білім берудің практикалық бағытының басымдығы

**37. How often do your course include master classes and reading topics with practitioners?**

Өте жиі (very often)	11 people	19,3 %
Жиі (often)	31 people	54,4 %
Кейде (sometimes)	14 people	24,6 %
Өте сирек (very rare)	1 person	1,8 %
Мүлдем болмайды (never)	0 people	0 %

**38. How often are external trainers (domestic and foreign) involved in the training process?**

Өте жиі (очень часто)	20 чел.	35,1 %
Жиі (часто)	28 чел.	49,1 %
Кейде (иногда)	9 чел.	15,8 %
Өте сирек (очень редко)	0 чел.	0 %
Мүлдем болмайды (никогда)	0 чел.	0 %

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

	Often	Sometimes	Never	No answer
Lack of classrooms	0 people (0 %)	24 people (42,1 %)	33 people (57,9%)	-
Imbalance in teaching load by semester	3 people (5,3 %)	38 people (66,7 %)	16 people (28,1 %)	-
Inaccessibility of necessary literature in the library	0 people (0 %)	22 people (38,6 %)	35 people (61,4 %)	-
Overcrowding in study groups (too many students per group)	0 people (0 %)	7 people (12, %)	50 people (87,7 %)	-
Inconvenient timetable	0 people (0 %)	25 people (43,9 %)	32 people (56,1 %)	-
Inadequate classroom facilities	0 people (0 %)	20 people (35,1%)	37 people (64,9%)	-
Lack of internet access/weak internet	0 people (0 %)	26 people (45,6 %)	31 people (54,4 %)	-
Lack of student interest in learning	0 people (0 %)	26 people (45,6 %)	31 people (54,4 %)	-
Failure to receive information on events in a timely manner	0 people (0 %)	12 people (21,1 %)	45 people (78,9 %)	-
Lack of technical facilities in classrooms	2 people (3,5 %)	35 people (61,4 %)	20 people (35,1%)	-
other problems	<ul style="list-style-type: none"> <li>• - No.</li> <li>• - No obvious problems</li> <li>• - Technical equipment</li> <li>• - There are no problems, if any, they are solved privately, very quickly and all the needs of the teacher regarding the educational process are satisfied.</li> <li>• - There are no such problems</li> <li>• - No problems</li> <li>• - None</li> <li>• - There are no problems</li> <li>• - No warm water in winter for hand washing</li> <li>• - Insufficient equipment with program products</li> </ul>			



	<ul style="list-style-type: none"> <li>- Everything is fine</li> <li>• - Quite long approval of documents in the Directum system</li> <li>• - No special technical and organizational problems</li> <li>• - No unsolvable problems. All are solved gradually or in operative mode, as necessary</li> <li>• Lack of specialized literature in the Kazakh language</li> <li>• Sometimes there is a shortage of Kazakh textbooks on subjects</li> <li>• Lack of Kazakh literature used in training</li> <li>• - Not all classrooms have excellent internet access</li> <li>• - Technical equipment</li> <li>• - No problems</li> <li>• - Lots of paperwork that could be converted to electronic form</li> <li>• - Lack of computer classrooms</li> <li>• - It is desirable to install graphic tablets connected to PC and projector in lecture rooms</li> <li>• - Difficulties in acquiring necessary materials for scientific work through public procurement.</li> <li>• - no problems.</li> <li>• - There are no special problems, something small happens</li> <li>• - In some classrooms the Internet is weak</li> <li>• - I would like to have 13 salaries.</li> <li>• - Resolved as they arise</li> <li>• - The growth of the number of students does not keep up with the material support, it is necessary to solve the issues of the classroom fund</li> <li>• No serious problem.</li> <li>• Lack of student dormitories</li> </ul>
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**40. There are many different facets and aspects of university life that affect every teacher and staff member in one way or another. Assess how satisfied you are:**

Question	Fully satisfied	Partially satisfied	Not satisfied	Difficult to answer
The attitude of the university authorities towards you	43 people (75,4%)	13 people (22,8 %)	1 person (1,8 %)	0 people (0 %)
Relationships with line management	52 people (91,2 %)	5 people (8,8 %)	0 people (0 %)	0 people (0 %)
Relationships with colleagues in the department	55 people (96,5%)	2 people (3,5 %)	0 people (0 %)	0 people (0 %)
Participation in management decisions	41 people (71,9 %)	14 people (24,6 %)	0 people (0 %)	2 people (3,5 %)
Relationships with students	55 people (96,5%)	2 people (3,5 %)	0 people (0 %)	0 people (0 %)
Recognition of your successes and achievements by the administration	44 people. (77,2%)	12 people. (21,1 %)	1 person. (1,8 %)	0 people. (0 %)
Supporting your suggestions and comments	44 people. (77,2%)	12 people. (21,1 %)	0 people. (0 %)	1 person. (1,8 %)
The activities of the university administration	39 people. (68,4%)	17 people. (29,8 %)	0 people. (0 %)	1 person. (1,8 %)
Terms of remuneration	26 people. (45,6 %)	29 people. (50,9 %)	1 person. (1,8 %)	1 person. (1,8 %)
The working conditions, range and quality of services provided at the HEI	47 people. (82,5%)	9 people. (15,8 %)	0 people. (0 %)	1 person. (1,8 %)
Occupational health and safety	48 people. (84,2 %)	9 people. (15,8 %)	0 people. (0 %)	0 people. (0 %)
Managing change in HEI activities	40 people. (70,2 %)	16 people. (28,1 %)	1 person. (1,8%)	0 people. (0 %)
The provision of a social package: holidays, spa treatment, etc.	22 people. (38,6 %)	26 people. (45,6 %)	4 people. (7 %)	5 people. (8,8 %)
The organisation and quality of catering in higher education	42 people. (73,2 %)	15 people. (26,3 %)	0 people. (0 %)	0 people. (0 %)
The organisation and quality of health services	44 people. (77,2%)	12 people. (21,1 %)	1 person. (1,8 %)	0 people. (0 %)

## Appendix 4. THE RESULTS OF THE SURVEY OF STUDENTS

### *Questionnaire for students*

**Total number of questionnaires: 177**

6B04107 Social media marketing	8	4,52%
7M04107 Social media marketing	2	1,13%
6B07109 Medical Engineering (Medical Technology)	11	6,21%
7M04102 Technology entrepreneurship	4	2,26%
6B04109 Public financial management	27	15,25%
6B11202 Innovative safety management of natural and man-made emergencies	10	5,65%
6B07312 Land registry and planning	84	47,46%
7M11301 Transport, traffic and operations	4	2,26%
6B07309 BIM - technologies in design	6	3,39%
7M07312 Land registry and planning	13	7,34%
8D05401 Mathematics	2	1,13%
8D07103 Thermal power engineering	6	3,39%

**Paul:**

Men's	60,5
Women's	39,5

**Assess how satisfied you are:**

Questions	Fully satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	Difficult to reply
1. Relationship with the dean's office (school, faculty, department)	85,9	14,1			
2. The level of accessibility of the deanery (school, faculty, department)	84,7	13,6	1,7		
3. Level of accessibility and responsiveness of management (university, school, faculty, department)	83,6	14,7	1,1	0,6	
4. Availability of academic counselling	80,2	18,7			1,1
5. Support with training materials during the training process	78,5	18,1	3,4		
6. Accessibility of counselling on personal problems	73,4	19,3	5,6	0,6	1,1
7. The relationship between student and teacher	78,5	18,7	2,8		
8. The activities of the financial and administrative services of the institution	70,6	22,6	3,4	1,1	2,3
9. Accessibility of health services	73,4	19,7	2,3	0,6	4
10. The quality of medical care at the university	69,5	22	1,7	1,7	5,1
11. The level of availability of library resources	91	7,3	1,1	0,6	
12. The quality of services provided in libraries and reading rooms	87	10,2	1,7	1,1	
13. The existing teaching resources of the HEI	86,4	11,3	1,7		0,6
14. Accessibility of computer labs	74	19,2	3,4	1,7	1,7
15. Accessibility and quality of Internet resources	71,2	20,9	5,1	1,7	1,1
16. The content and information content of the website of educational organizations in general and faculties (schools) in particular	89,3	9,6	1,1		
17. Study rooms, classrooms for large groups	77,4	17,5	2,8	1,7	0,6
18. Student lounges (if available)	76,3	17,4	1,7	0,6	4
19. The clarity of the procedures for taking disciplinary action	79,7	15,8	1,7		2,8
20. The quality of the degree program as a whole	83,6	14,7	1,7		
21. The quality of the curriculum in the DP	81,9	16,9	0,6	0,6	
22. Teaching methods in general	75,7	20,9	1,7	1,7	
23. Responsiveness to feedback from teachers on the learning process	79,7	17,5	1,7		1,1
24. The quality of teaching in general	83,1	15,2	1,7		
25. The academic workload/requirements of the student	71,2	21,5	5,6	1,1	0,6
26. The requirements of the teaching staff for the student	79,1	15,2	2,3		3,4
27. Informational support and clarification before enrolling in a university of	85,3	10,7	2,3	1,1	0,6

the rules of admission and the strategy of the degree program (speciality)					
28. Informing the requirements for successfully completing a given degree program (speciality)	86,4	11,3	1,7	0,6	
29. The quality of examination materials (tests and examination questions, etc.)	80,8	17,5	0,6		1,1
30. Objectivity in the assessment of knowledge, skills and other learning achievements	79,1	16,5	2,2	2,2	
31. Available computer labs	73,5	22	1,7	1,7	1,1
32. Available research laboratories	74,8	17,8	2,3	1,1	4
33. Objectivity and fairness of teachers	71,2	22	5,1		1,7
34. Informing students about courses, study programs and academic degrees	85,8	9,6	2,3	0,6	1,7
35. Providing students with dormitory accommodation	76,2	11,3	2,3		10,2

**Assess how much you agree:**

Approval	Full consent	Agreed	Partly agree	Disagree	Full dissent	No answer
36. The course program was clearly presented	78	17,5	4,5			
37. The course content is well structured	73,4	19,8	6,2	0,6		
38. The key terms are sufficiently explained	68,9	27,7	3,4			
39. The material presented by the teacher is up-to-date and reflects the latest scientific and practical developments	67,8	26	6,2			
40. The teacher uses effective teaching methods	64,4	25,4	7,9	1,7	0,6	
41. The teacher is familiar with the material being taught	74	22,6	3,4			
42. The teacher's presentation is clear	68,4	25,4	6,2			
43. The teacher presents the material in an interesting way	61,5	23,2	12,4	2,3	0,6	
44. Objectivity in assessing knowledge, skills and other learning achievements	62,7	24,3	9,6	3,4		
45. Timeliness of assessment of students' learning achievements	63,8	26,6	7,9	1,7		
46. The teacher meets your requirements and expectations for professional and personal development	63,3	27,7	7,3	1,7		
47. The teacher encourages students to be active	63,9	23,7	11,3	1,1		
48. The teacher encourages students to think creatively	59,8	26,6	11,3	1,7	0,6	
49. The appearance and mannerisms of the teacher are adequate	72,3	25,4	1,7	0,6		
50. The teacher shows a positive attitude towards the students	67,8	22,6	9,6			
51. The assessment system (seminars, tests, questionnaires, etc.) reflects the content of the course	71,7	24,9	2,8	0,6		
52. The assessment criteria used by the teacher are clear and accessible	72,3	22,6	5,1			
53. The teacher objectively assesses the students' achievements	65,5	24,3	9,6	0,6		
54. The teacher is proficient in professional language	75,6	21,5	2,3	0,6		
55. The organization of education provides sufficient opportunity for sports and other leisure activities	71,2	21,5	5,6	1,1	0,6	
56. Facilities and equipment for students are safe, comfortable and modern	68,9	20,9	8,5	1,1	0,6	
57. The library is well equipped and has a sufficient collection of scientific, educational and methodological literature	79,1	16,9	2,8	1,1		
58. Equal opportunities for learning and personal development are provided to all students	76,8	19,8	1,1	2,3		

**Other problems regarding the quality of teaching:**

- -
- No
- No problems
- There are no problems regarding the quality of teaching
- There is no problem, everything is at a very high level.
- No other problems were noticed, I completely agree with the rest
- Hostel questionnaire
- Everything is well done and if you have any questions, the curator can solve them through the dean's office so far no questions. I am grateful to this educational institution. Менің ойымша

аудиторияларда материалдық базаны бірнеше есе жақсартса.

- The University needs repairs!
- I am satisfied with the quality of my university's education!
- I am fully satisfied with the educational program and university training. I think it will improve the audience and material base.
- Since everything is affordable and of high quality, the 1st course still needs to get acquainted with some information
- No problem, good learning quality
- Everything is fine
- No offers
- The quality of education in our specialty is excellent! I am glad that I entered this educational university!
- No problem
- Most of the teachers do not like university activists, although activists really raise the university no worse than any laboratories or discoveries
- Creativity and ability to attract attention
- Not happy with the schedule
- Nope
- There are no problems. Excellent teaching staff.
- Teachers can be incompetent
- Organizations that are interested in education do not have competitions, although the quality is poor. The technical profession looks boring course of study. There are few additional Krugs to find yourself in Univer. Group team building gathering travel networking less. The atmosphere of holidays is not felt. To go to other universities, only the strongest go to participate in the competition, which is already confident in itself. And many remain just students. less chance of opening
- I didn't notice any problems
- No other problems
- If we talk about teaching in my school, then there are no problems at all, but subjects that do not belong to my profession are complete nonsense. Why the hell do they bother me with absolutely unnecessary subjects when I entered the profession, I spend an incredible amount of energy in order to pass the wrong subject so that I would not be expelled, wow, this is so cool. In order to study everything else, I can go back to school, this nonsense is not needed at me, it only wastes the student's time and especially nerves, I lost interest in studying due to the fact that they don't stick the subjects that should be under my nose at all, the 1st course is just a pile of something piled up for checkboxes.