REPORT

on the results of the work of the external expert evaluation commission for compliance with the requirements of the standards for specialized accreditation of educational programs

7M06113 Digital media technologies and data visualization
7M06112 Financial technologies

INTERNATIONAL INFORMATION TECHNOLOGY UNIVERSITY
in the period from 19 to 21 October 2020

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

Addressed to
Accreditation Council
of IAAR

REPORT

on the results of the work of the external expert evaluation commission
for compliance with the requirements of the standards for specialized accreditation of
educational programs

7M06113 Digital media technologies and data visualization
7M06112 Financial technologies

INTERNATIONAL INFORMATION TECHNOLOGY UNIVERSITY

in the period from 19 to 21 October 2020

2020

<u>CONTENTS</u>

(I) DEFINITIONS AND ABBREVIATIONS

SCES - State Compulsory Education Standard
ECTS – European Credit Transfer System
PhD – Philosophy doctor
IT – Information Technologies
IS – Information Systems
ICT – Information-communication technologies
LLP –Limited liability partnership
MES RK - Ministry of Education and Science of the Republic of Kazakhstan
RK ST – Standard of the Republic of Kazakhstan
TS – Teaching staff
RK – Republic of Kazakhstan

(II) <u>INTRODUCTION</u>

In accordance with Order No. 88-20-OD dated October 12, 2020 of the Independent Agency for Accreditation and Rating, from October 19 to October 21, 2020, an external expert commission conducted an online assessment of the compliance of educational programs "7M06113 Digital Media Technology and Data Visualization", "7M06112 Financial Technology" of International Information Technology University to the standards of primary specialized accreditation of the IAAR (dated May 25, 2018 No. 68-18 / 1-OD, first edition).

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

EEC members:

1. Chairman of the IAAR Commission - Tamyarova Maya Vladislavovna, Candidate of Technical Sciences, Deputy Dean for Academic Affairs and Distance Education of the Aircraft Constructing Faculty, Associate Professor of the Department of Measuring and Computing Complexes of the Federal State Budgetary Educational Institution of Higher Education "Ulyanovsk State Technical University" (Ulyanovsk, RF);

2. Foreign IAAR expert - Grakovski Alexander Vladimirovich, Professor, Dean of the Faculty of Computer Science and Electronics, Institute of Transport and Communications (Riga, Latvia);

3. Foreign IAAR expert - Nastasenco Veaceslav, Assoc. Prof., PhD, Technical University of Moldova (Chisinau, Moldova);

4. Foreign IAAR expert - Ognyan Borisov Manolov, PhD. (c.t.sc.) on Cybernetics and Informatics, European Polytechnic University (Pernik, Bulgaria);

5. Foreign IAAR expert - Gostin Alexey Mikhailovich, Ph.D., Associate Professor, Ryazan State Radio Engineering University named after V.F. Utkina (Ryazan, RF);

6. IAAR Expert - Ismailova Aisulu Abzhapparovna, PhD of Information Systems, S.Seifullin Kazakh Agro Technical University (Nur-Sultan);

7. IAAR Expert - Sultanova Zamzagul Khamitovna, Candidate of Economic Sciences, Acting Associate Professor, West Kazakhstan Agrarian and Technical University named after Zhangir Khan (Uralsk);

8. IAAR expert - Ashirbekova Gulmira Shaitmaganbetovna, Candidate of Philology, Eurasian National University named after L. Gumilyov (Nur-Sultan);

9. Employer of IAAR - Yuri Alexandrovich Pilipenko, Chairman of the Board of Directors, International Association of Producers of Goods and Services "EXPOBEST" (Almaty);

10. IAAR Employer - Mikhail Grigoryevich Rezov, Chief Specialist of the Department for Support of the Electronic Document Management System, National Information Technology JSC (Nur-Sultan);

11. IAAR student - Mauina Gulalem Myrzaliyevna, 3rd year doctoral student of EP "Information Systems", S.Seifullin Kazakh Agro Technical University (Nur-Sultan);

12. IAAR student - Tulebay Aidos Bakhtiyaruly, 1st year student of EP "Cyber Security", Astana IT University (Nur-Sultan);

13. IAAR student - Bobkova Svetlana Sergeyevna, 4th year student of EP "Finance", Kostanay Regional University named after A. Baitursynov (Kostanay);

14. Observer from the Agency - Kanapyanov Timur Yerbolatovich, PhD, Head of International Projects and Public Relations of the IAAR (Nur-Sultan).

(III) <u>PRESENTATION OF THE EDUCATION INSTITUTION</u>

The International Information Technology University (hereinafter IITU or the University) is a leading educational institution in the Central Asian region training highly qualified, internationally recognized IT specialists. The university was established in 2009 by the order of the First President of the Republic of Kazakhstan Nursultan Abishevich Nazarbayev (State license AB 0064060 dated May 29, 2009). The university was created in close collaboration with Carnegie Mellon (USA).

The mission of IITU is the generation of knowledge and training specialists of the digital age, the formation of the intellectual and scientific and technical potential of the country in the field of ICT based on the integration of education, innovative Technology and scientific research.

The University provides educational services for higher and postgraduate education in accordance with the Classifier of training programs for personnel with higher and post-graduate education, approved by order of the Minister of Education and Science of the Republic of Kazakhstan No. 569 dated October 13, 2018 and state compulsory standards of higher and postgraduate education of the Republic of Kazakhstan, approved by order Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604.

Personnel training is carried out according to the three-level model "Bachelor-Master-Doctor PhD" in accordance with the Law of the Republic of Kazakhstan "On Education", the Bologna Declaration and other international documents in the field of education.

The strategic priorities of the University are aimed at achieving international recognition. First of all, the University positions itself as a Digital University, which implies the training of specialists in the digital age, the development of systems of digital forms of education, the development and provision of digital services for stakeholders with the formation of a digital footprint, as well as entering the position of a leading digital University, i.e. entering the ranking of world universities.

One of the goals of IITU is to achieve the level of a research university, the tasks of which are:
- building up of innovative scientific- research infrastructure;
- formation of a system for the conveyor preparation of initiative projects for the teaching staff to participate in competitions;
- creation of a mechanism for involving 80% of the teaching staff in research activities;
- formation of innovative symbiosis with leading IT companies;
- generation of new knowledge and dissemination of research findings;
- commercialization of the results of innovative and scientific achievements.

The University developed the Strategy for the Development of IITU JSC for 2020-2025, approved by the decision of the Board of Directors of IITU JSC dated January 15, 2020 (Minutes No. 5). In its activities, the university relies on the Quality Policy 2019-2020. The procedures and responsibilities for the quality assurance processes are defined in the Documented Procedure "Internal Audit".

On March 5, 2019, IITU JSC received the approval of ASIIN Accreditation Commission (Germany) on institutional accreditation and was accredited until September 30, 2023.

At the end of 2019, according to the rating compiled by the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken", the EP of the RET Department of IITU took the 3rd place among the universities of the Republic with 3.59 points.

Training at the university id provided by 302 teaching staff members. The share of teachers with academic degrees and titles of the number of full-time teachers is 54.75% as for the reporting period. The average age of the teaching staff with academic degrees and titles of the University in 2019-2020 is 38.5 years.

In the 2014-2015, the University graduated 519 people, incl. - 415 bachelors, 91 masters and 13 part-time students. In the 2019-2020, the number of graduates increased to 829 (almost

doubled) - 650 bachelors, 149 masters, 11 doctoral students and 19 part-time students.

EPs under accreditation have not been previously assessed in specialized accreditation.

Training of masters in EP "7M06113 Digital Media Technology and Data Visualization" is carried out in Russian.

Training in EP "7M06113 Digital Media Technology and Data Visualization" has been carried out since the current year, training in EP "7M06112 Financial Technology" is not carried out due to the lack of enrollment for the first year.

The graduating departments of "Media Communications and History of Kazakhstan" and "Economics and Business", which implement the accredited EPs, are represented by 10 full-time teaching staff. The share of the teaching staff with academic degrees and titles in both graduating departments is 50%.

https://iitu.kz/ru/articles/departments/mediakommunikazii-i-istorii-kazahstana/

In 2019-2020 the teaching staff of the graduating departments of "Economics and Management" and "Media Communications and History of Kazakhstan" published 11 and 10 articles respectively, in the journals recommended by the Committee for Control of the Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan and in international referencing publications 2 and 4 articles, respectively.

The teaching staff of the Department of Economics and Business are involved in the research and development projects supported with the grant funding such as: "Creation of an adaptive model for integrating project management of an enterprise in the military-industrial complex of the Republic of Kazakhstan, taking into account the development of guidelines and implementation of a project management system for the effective implementation of military and dual-use projects (MES RK), "The main priorities of the socio-economic development of rural areas aimed at improving the living standards of rural residents for 2018-2020" (MES RK), "Sustainable development of agricultural production based on the economic efficiency of using the resource potential, specialization, the formation of regional sectoral clusters and improvement of measures of state support for the main types of products of the agro-industrial complex of the Republic of Kazakhstan "(Ministry of Agriculture of the Republic of Kazakhstan).

The EPs under accreditation have not graduated yet.

(IV) <u>DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE</u>

Educational programs "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" are being accredited in the IAAR for the first time.

(V) <u>DESCRIPTION OF THE VISIT OF THE EXTERNAL EXPERT COMISSION</u>

The work of the EEC was carried out on the basis of the approved Program of the on-line visit of the expert commission on the primary specialized accreditation of educational programs of the University in the period from October 19 to 21, 2020.

In order to coordinate the work of the EEC, on October 18, 2020, an on-line meeting was held, during which the powers were distributed among the members of the commission, the schedule of the visit was clarified, and the agreement on the choice of the examination methods was reached.

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, on-line meetings were held with the Rector, Vice-REctors of the University, Heads of structural units, Heads of departments, teachers, students, alumni and employers. In total, 62 representatives of the University took part in the meetings. (Table 1).

Table 1 - Information about employees and students who took part in on-line meetings with the EEC of the IAAR:

Category	Number
Rector	1
Vice-Rectors	3
Heads of structural units	16
Deans	2
Heads of departments	6
Teachers	20
Master students	8
Graduates	-
Employers	6
Total	62

During the on-line excursion, the EEC members got acquainted with the material and technical conditions, visited lecture rooms 907 and 901, the Economic Research Laboratory, the library, the Innovation Center, the Apple training center, the electronic journalism TV studio, the 'Mag n IT' editorial laboratory, the educational laboratory "Assembly and hardware", research laboratory "Big Data" and the Center for Educational Innovation and Smart Learning.

At the on-line meetings of the IAAR EEC with the target groups of the university, the mechanisms for implementing the policy of the University were clarified and the data presented in the University Self-Assessment Report were specified.

EEC members attended the following on-line training sessions:

- "Data Analysis" course on the topic "Object-oriented models. Means of data visualization", 1 course of the specialty "7M06113-Digital media Technology", conducted by Ph.D. Associate Professor, Acting Professor of the Department of IS Nayzabayeva L.K.

https://teams.microsoft.com/l/channel/19%3a5dfce6f647af43898b630450a913c753%40thre ad.tacv2/%25D0%259E%25D0%25B1%25D1%2589%25D0%25B8%25D0%25B6?be73-4 - be85-5e80f58b1377 & tenantId = 70c1157a-941c-4b39-98e6-a0634f2759e7.

Due to the absence of the students' body in "7M06112 Financial Technology", the classes on this EP were not attended.

In accordance with the accreditation procedure, 64 teachers and 115 students were surveyed.

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

As part of the planned program, recommendations for improving the accredited educational programs of the IITU, developed by the EEC based on the results of the examination, were presented at an online meeting with the management on October 21, 2020.

(VI) <u>COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS</u>

<u>*6.1. The standard "Management of the educational program"*</u>

✓ *The institution of higher and / or postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the link between research, teaching and learning.*

✓ *The HEI must demonstrate the development of a culture of quality assurance, including the context of EP.*

✓ *Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree programs and academic mobility.*

✓ *The EP management demonstrates its readiness to ensure the transparency of the EP development plan based on the analysis of its functioning, the actual positioning of the educational organization and the focus of its activities on meeting the needs of the state, employers, students and other interested bodies. The plan must contain the timing of the start of the implementation of the educational program*

✓ *The EP management demonstrates the existence of mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP.*

✓ *EP management should involve representatives of interested bodies, including employers, students and teaching staff, in the formation of the EP development plan.*

✓ *The EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national priorities and the development strategy of the organization of HEI.*

✓ *The HEI must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and the delineation of functions of collegial bodies.*

✓ *The EP management must provide evidence of the transparency of the educational program management system.*

✓ *The EP management must demonstrate the existence of an internal EP quality assurance system, including its design, management and monitoring, their improvement, decision making based on facts.*

✓ *The EP management must carry out risk management, including within the framework of the EP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.*

✓ *The EP management must ensure the participation of representatives of employers, teaching staff, students and other interested parties 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 educational organization must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.*

✓ *EP management must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties.*

✓ *The EP management should be trained in educational management programs.*

Evidentiary part

The activity of the accredited EPs of the cluster is based on the State license No. KZ12BFA00062805 LAA00015835, issued by the Ministry of Education and Science of the Republic of Kazakhstan on March 18, 2019 and complies with the strategy and mission of the IITU. The academic activity of the IITU is based on the basic regulatory educational documents of the Ministry of Education and Science of the Republic of Kazakhstan.

The University implements a quality assurance policy that clearly demonstrates the connection between teaching, research and learning and is reflected in the University Strategy for 2020-2025

https://iitu.kz/documents/460/0_%D0%A1%D1%82%D1%80%D0%B0%D1%82%D0%B5 %D0%B3%D0%B8%D1%8F_% D1% 80% D0% B0% D0% B7% D0% B2% D0% B8% D1% 82% D0% B8% D1% 8F_% D1% 83% D0% BD% D0% B8% D0% B2% D0% B5% D1% 80% D1% 81% D0% B8% D1% 82% D0% B5% D1% 82% D0% B0_2020-2025.pdf.

The culture of quality assurance in the context of educational programs is determined by the

University mission and strategy, as well as the "Development Plan for the educational program 7M06113-"Digital Media Technology and Data Visualization" (Master's degree) for 2020-2023.

The quality policy is posted on the university website: https: //iitu.kz/documents/461/1_%D0%9F%D0%BE%D0%BB%D0%B8%D1%82%D0%B8%D0%B A % D0% B0_% D0% B2_% D0% BE% D0% B1% D0% BB% D0% B0% D1% 81% D1% 82% D0% B8_% D0% BA% D0% B0% D1% 87% D0 % B5% D1% 81% D1% 82% D0% B2% D0% B0_2019-2020.pdf. The issues of quality assurance of the educational process are regulated by internal documented procedures, regulations, rules, instructions posted on the official website of the University https://iitu.kz/ru/articles/obrazovanie/vnutrennie-normativnye-dokumenty/.

The members of the EEC made sure of the development of the quality assurance culture at the University.

The management of the EP "7M06113-Digital Media Technology and Data Visualization" demonstrates the functioning of the mechanisms for the EP development and implementation, assessment of the achievement of the learning outcomes, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP.

The EPs offered for the accreditation go through all stages of development, examination, analysis of the needs and their compliance with the requirements of the labor market. When developing the EP, all changes in the legal and financial base are taken into account.

Analytical part

Having reviewed the current documentation, the University website, regulatory documents, the University Strategy and Mission, the interviews with the stakeholders, the experts concluded the following:

The quality assurance policy has been posted, the connection between research, teaching and learning has been set, the assessment system and the main approaches to the development of EP have been improved. In general, this confirms the existence and functioning of the quality assurance system, including the EP context.

However, the review of the presented documents and of the documents on the university website showed that the issues of quality assurance in the implementation of joint/double-diploma education, academic mobility of students are not completely covered.

The EEC members note the absence of the Development Plan for the EP "7M06112 Financial Technology" in the requested documents, as a result of which it was not possible to make sure that the management of this EP is ready to ensure the transparency of the development, the uniqueness and individuality of the Development Plan, as well as to involve representatives of the teaching staff, employers and other stake holders in its formation.

The Commission was provided with the evidence of those responsible for business processes within the EP and delineation of the functions of collegial bodies.

The university has an approved the Regulation on the development and approval of the educational programs

https://iitu.kz/documents/458/P-35__%D0%9F%D0%BE%D0%BB%D0%BE%D0%B6%D0%B5% D0% BD% D0% B8% D0% B5_% D0% BE_% D1% 80% D0% B0% D0% B7% D1% 80% D0% B0% D0% B1% D0% BE% D1% 82% D0% BA% D0% B5_% D0% B8_% D1% 83% D1% 82% D0% B2% D0% B5% D1% 80% D0% B6% D0% B4% D0% B5% D0% BD% D0% B8% D0% B8_% D0% BE% D0% B1% D1% 80% D0% B0% D0% B7% D0% BE% D0% B2% D0% B0% D1% 82% D0% B5% D0% BB% D1% 8C% D0% BD% D1% 8B% D1% 85_% D0% BF% D1% 80% D0% BE% D0% B3% D1% 80% D0% B0% D0% BC% D0% BC_.pdf, however the mechanisms of regular revision of the EP development plan are not reflected in the internal documents of the university.

Interviews with the stakeholders and the university documentation review showed the absence of an internal document for risk management regulation in EP.

Structural review of the collegial management bodies of the EP and the work of representatives of the teaching staff, students and employers revealed that the Master's level is not represented in the Academic Committee (document "Order on the Approval of the Structure of the Academic Committee on the Students Training and Educational Programs" of January 20, 2020).

Questionnaire of the teaching staff, conducted during the online visit of the EEC IAAR, showed that the involvement of teaching staff in the process of making managerial and strategic decisions was assessed as follows: 31.32% rated it very good, 57.8% - good.

Strengths/best practices of EPs "7M06113 Digital Media Technology and Data Visualization" and "7M06112 Financial Technology":
1. The University has a detailed Quality Manual, which clearly reflects the relationship between scientific and educational processes.
2. The University posesses and operates a unified quality management system based on a system of business processes of the University and distribution of responsibility for separate processes in accordance with ST RK ISO 9001-2016 with periodic audit. The University has passed international institutional accreditation at the Accreditation Agency for Eduactional Programs of Engineering, Information Science, Natural Sciences and Mathematics (ASIIN, Germany) for 5 years.
3. The management of the accredited EPs are open to all stakeholders, which is confirmed by the results of the questionnaire and interviews conducted during the online visit of the EEC and the EP management system is transparent.

Recommendations for EPs "7M06113 Digital Media Technology and Data Visualization", and "7M06112 Financial Technology":
1. By the end of the 2020-2021 academic year, an internal document regulating the implementation of joint and double-degree educational programs, academic mobility of students should be developed and approved.
2. By the end of the 2020-2021 academic year, the "Regulations on the development and approval of educational programs" (P35), providing for the formation and updating of the EP Development Plan should be amended.
3. By the end of the 2020-2021 academic year, an internal document aimed at creating and effective functioning of the EP risk management system should be developed and approved.
4. By the beginning of the 2021-2022 academic year, the representatives of the teaching staff, students and employers should be introduced into the collegial management bodies (faculty council, academic council, Academic committee, etc.).

Additional recommendations for OP "7M06112 Financial Technology":
1. By the end of the 2020-2021 academic year, the EP management should develop, with the participation of employers and teaching staff, an EP development plan with specific measurable indicators and appoint those responsible for the implementation of the plan.
2. When creating the EP development plan, the uniqueness and individuality of the development plan should be specified.

Conclusions of the EEC on the criteria for EP:
"7M06113 Digital Media Technology and Data Visualization" according to the "Public Awareness" standard has 4 strong, 7 satisfactory positions, 4 positions suggested for improvement.

"7M06112 Financial Technology" according to the "Public Awareness " standard has 4 strong, 4 satisfactory positions and 7 positions suggested for improvement.

6.2. The standard 'Information Management and Reporting'

✓ The HEI must demonstrate that it has a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software and that it uses a variety of methods to collect and analyze information in the context of the EP.

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

✓ The EP management must demonstrate fact-based decision making.

✓ Within the EP, there must be a system of regular reporting that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and divisions, scientific projects.

✓ The HEI should establish the frequency, forms and methods of assessing the EP management, the activities of collegial bodies and structural units, top management, the implementation of research projects.

✓ The HEI must demonstrate the order and protection of information, including the identification of persons responsible for the accuracy 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 EP management must demonstrate the existence of a communication mechanism with students, employees and other interested bodies, as well as mechanisms for resolving conflicts.

✓ The HEI must demonstrate the existence of mechanisms for measuring the degree of satisfaction of the needs of teaching staff, personnel and students within the EP.

✓ The HEI should provide for an assessment of the effectiveness and efficiency of activities, including in the context of EP.

✓ Information intended for collection and analysis within the EP should take into account:
- key performance indicators;
- dynamics of the number of students in the context of forms and types;
- academic performance, student achievement and expulsion;
- satisfaction of students with the implementation of EP and the quality of education at the university;
- availability of educational resources and support systems for students.

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

Evidentiary part

Members of the EEC confirm the existence of a system for collecting, analyzing and managing information at IITU, which is an integral part of the planning system, quality system, financial activities, process approach, management of separate EP. Maintaining the mission, goals, objectives and evaluating their effectiveness is carried out in accordance with the documented procedures.

In the process of collecting and processing information, the University uses modern information systems, information and communication technology and software. The University actively uses licensed software Microsoft Business Intelligence, which allows to analyze data in various parts and sequences, predict and evaluate the effectiveness of changes.

The educational buildings have access to Wi-Fi.

The website www.iitu.kz supports the mission, goals, policy of the university.

The educational process is supported by the Automated educational process management information system https://dl.iitu.kz/. The corporate mail https://mail.iitu.kz/ functions. Classes, meetings and other collegiate events, as well as the exchange of documentation, are carried out using the Microsoft Teams software https://teams.microsoft.com.

Along with other internal documents, the latest edition of the Code of Academic Integrity dated April 26, 2019 is in force,. The main provisions of the Code are posted on the university website https://www.iitu.kz/ru/articles/show/133 and https://dl.iitu.kz/.

The University has created a model of an innovative-electronic university, an electronic library is functioning.

The automated IS Platonus is functioning (http://ayu.edu.kz/), which creates the conditions

to control and assess the knowledge.

Management and collegial management bodies make decisions based on facts, analysis of information from structural units, data obtained from the results of questionnaires, monitoring of the educational process and other sources.

The form of participation of teaching staff and students in making management decisions is, for example, participation in meetings of management bodies. Teaching staff and employees have the opportunity to make suggestions for improving activities at the regular meetings, meetings with the Rector, Vice-rectors and deans.

Academic support of students is carried out for the entire period of study until the receipt of a diploma and a diploma supplement.

The official website functions in Russian and English.

The university administration pays attention to the prevention of conflicts of interest and relationships. As part of prevention, various measures are being taken, including those aimed at improving the material well-being of the teaching staff, supporting the initiative, encouraging the scientific activities of teaching staff and students.

Analytical part

The University provides a system for collecting, analyzing and managing information through the functioning of the Platonus portal, an electronic document management system, a questionnaire system, which includes questionnaires for students and teaching staff. There is a "Rector's Blog" https://iitu.kz/ru/articles/about-university/blog-rektora/, designed for effective feedback from students and their parents, employees, teaching staff, employers, representatives of the public and other stakeholders.

The management took the written consent of students, employees and teaching staff for the personal data processing.

The questionnaire of the teaching staff, conducted during the online visit of the EEC of the IAAR, demonstrates a good level of feedback between the teaching staff and the management: 64.1% rated it as "excellent", 29.7% - as "good".

A survey of students showed a high degree of satisfaction with the content and information content of the website of the University in general and faculties in particular: 90.2% indicated it as "excellent", 3.9% - "good".

Strengths/best practices of EPs "7M06113 Digital Media Technology and Data Visualization" and "7M06112 Financial Technology":
1. Information management processes at IITU are supported by the use of specialized software products.

Recommendations for EPs "7M06113 Digital Media Technology and Data Visualization", and "7M06112 Financial Technology":
There are no recommendations for this standard.

EEC conclusions on the criteria for EPs "7M06113 Digital media Technology and data visualization" and "7M06112 Financial Technology":
According to the Standard for information management and reporting, there is 1 strong and 15 satisfactory positions.

6.3. The standard "Development and approval of educational programs"

> ✓ *The HEI should define and document procedures for the development of the EP and its approval at the institutional level.*
> ✓ *The EP management must ensure that the developed EP meets the established goals, including the*

expected learning outcomes.
    ✓ The EP management must ensure the availability of developed models of the EP graduate which describes the learning outcomes and personal qualities.
    ✓ The EP management must demonstrate the conduct of external assessment of the EP content and the planned results of its implementation.
    ✓ The qualification awarded upon completion of the EP must be clearly defined and correspond to a certain level of the NQF.
    ✓ The EP management must determine the influence of courses and professional internships on the formation of learning outcomes.
    ✓ An important factor is the ability to prepare students for professional certification.
    ✓ The EP management must provide evidence of participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality.
    ✓ The load of the EP should be clearly defined in Kazakhstani credits and ECTS.
    ✓ The EP management must ensure that the content of academic courses and the planned results are consistent with the level of education (bachelor's, master's, doctoral studies).
    ✓ The structure of the EP should provide for various types of activities to ensure that students achieve the planned learning outcomes.
    ✓ An important factor is the consistency of the content of the EP and the learning outcomes of the EP, implemented by organizations of higher and (or) postgraduate education in the EHEA.

Evidentiary part

The assessed EP are focused on the acquisition of academic and practical knowledge and skills by students, aimed at their personal development, and which will be applied in their future careers.

The purpose of the EP "7M06112 Financial Technologies" is to train highly professional, competitive and managerial personnel in the field of financial technologies in the private and public sectors of the economy, who have in-depth professional training and are able to apply theoretical and practical knowledge in professional activities.

The goal of the EP "7M06113 Digital Media Technologies and Data Visualization" is to train masters, middle managers at the intersection of sciences for the industries of information analytics, big data management, the development of artificial intelligence and digital content protection.

Development and approval of educational programs at the university is carried out in accordance with the provisions of regulatory legal acts in the field of higher and postgraduate education. For this, all relevant subjects of the university are involved. Implementation mechanisms are open and transparent, decision making is collegial. The scientific level and goals of educational programs meet the requirements, are consistent with the mission of the university and meet the needs of potential consumers.

The experts made sure that the procedures for developing EP and their approval at the institutional level at the university are defined in an internal regulatory document. The EP development process is preceded by an analysis of trends in education, a study of the dynamics of the development of the main indicators of the labor market conjuncture.

Members of the EEC confirm the existence of the following stages of development of the EP: development of the EP project by a working group from among the teaching staff of the department and partners - employers in accordance with the National Qualification Framework, sectoral qualifications framework and professional standards (if any), SESE, standard curricula and standard programs of disciplines; discussion of the EP project at a meeting of the department; expertise of the EP, its relevance, formed competencies and expected learning outcomes at a meeting of the Academic Committee of the University; development of

recommendations for making changes and additions to the OP; updating EP (in terms of elective disciplines) by modules; adjusting the content of the EP (modules to achieve learning outcomes), taking into account modern requirements; identifying teaching, learning and assessment methods that provide the achievement of learning outcomes; development of assessment assignments to measure learning outcomes for EP, etc.), etc.

Expertise of the developed EP is carried out both within the university and by external employers. Scanned opinions of external experts are presented to the experts as an attachment to the self-assessment report.

In modular educational programs for accredited EP, the qualifications of the graduate are clearly explained and correspond to a certain level of the NQF: the awarded degree, the object of professional activity, the functions of professional activity, types of professional activity, a list of expected professions in the educational program.

The complexity of disciplines, practices, final state certification, research work of a master's student is clearly expressed in ECTS credits, distribution by semester is carried out evenly.

A logical and meaningful connection is traced between the disciplines of the corresponding levels of education. For example, the prerequisites of the disciplines of EP "7M06113 Digital Media Technologies and Data Visualization" are the following: for "Visual Informatics: Computer Graphics and Visualization" the prerequisite is a bachelor's degree discipline "Data Journalism", for "State Policy of the Republic of Kazakhstan in the field of Information and Cybersecurity" the prerequisite is a bachelor's degree discipline "Media Communications and History of Kazakhstan". Regarding the disciplines of EP "7M06112 Financial Technologies", the prerequisites are the following: for "Modern Technologies in Fintech" the prerequisite is a bachelor's degree discipline "Finance", for "Advanced Financial Modeling" the prerequisites are bachelor's degree disciplines "Financial Modeling", "Finance" and "Corporate Finance", etc.

In the structure of accredited EPs, according to the analysis of MEPs, various types of activities are identified that correspond to the expected learning outcomes - theoretical training is the study of disciplines (lectures, practical classes, laboratory classes, IWMT (independent work of a master student under the guidance of a teacher)), research practice (Master's), scientific internship (Master's), scientific research work, including writing and defense of a master's thesis, final state certification. The number of credits allocated for theoretical training, practice corresponds to the State Educational Standard of Education dated October 31, 2018, Order No. 604.

Experts note the existence of the developed models of the EP graduate, characterized by the ability to carry out professional activities at a given level of quality and including knowledge, abilities, skills, and competencies. The models of the graduate of the accredited EP were developed at the graduating departments by the teaching staff of the departments and representatives of employers. The qualification obtained upon completion of the EP is defined and recorded in the model of the EP graduate, it corresponds to a certain level of the NQF.

Analytical part

The university has developed clear procedures for the development and approval of educational programs, reflected in the Quality Policy, "Regulations on the development and approval of educational programs" https://iitu.kz/documents/458/P-35__%D0%9F%D0%BE%D0%BB%D0%BE%D0%B6%D0%B5%D0%BD%D0%B8%D0%B5_%D0%BE_%D1%80%D0%B0%D0%B7%D1%80%D0%B0%D0%B1%D0%BE%D1%82%D0%BA%D0%B5_%D0%B8_%D1%83%D1%82%D0%B2%D0%B5%D1%80%D0%B6%D0%D0

%B4%D0%B5%D0%BD%D0%B8%D0%B8_%D0%BE%D0%B1%D1%80%D0%B0%D0%B7%D0%BE%D0%B2%D0%B0%D1%82%D0%B5%D0%BB%D1%8C%D0%BD%D1%8B%D1%85_%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC_.pdf, EP "Organization of the educational process (Master's) https://iitu.kz/documents/106/QP-04_%D0%9E%D1%80%D0%B3%D0%B0%D0%BD%D0%B8%D0%B7%D0%B0%D1%86%D0%B8%D1%8F_%D1%83%D1%87%D0%B5%D0%B1%D0%BD%D0%BE%D0%B3%D0%BE_%D0%BF%D1%80%D0%BE%D1%86%D0%B5%D1%81%D1%81%D0%B0_%D0%BC%D0%B0%D0%B3%D0%B8%D1%81%D1%82%D1%80%D0%B0%D1%82%D1%83%D1%80%D0%B0%D1%80%D0%B5%D0%B44.pdf , "Policy in the region" and "Regulations on the preparation of educational programs in specialties" http://ayu.edu.kz/wp-content/uploads/2020/01/mamandy-tar-bojynsha-bbb-abyldau-erezhesi-2019.pdf.

The content of the EP is evaluated by external experts: the General Director of Radio Business FM LLP R. Maksutov and Deputy General Director of the TV channel "KTK" Merkeev DS were involved in the review of the EP "7M06113 Digital Media Technologies and Data Visualization".

The following reviews are also presented:

1. General review from the head of LLP "Appetite Project" NS Pakratdinov. on

EP "Finance in IT", "Management in IT" and "Project Management" without highlighting the level of training and the code of the EP, containing general recommendations for conducting additional classes outside the classroom and in-depth teaching of management theory and accounting and audit.

2. Review of the working curriculum for specialty 5B050900-Finance from an expert in the audit department of Ernst & Young LLP V.D.

3. Feedback on the working curriculum of the specialty 5B050900-Finance from the specialist of the group of tenders Interteach MK Kazakbay.

There is a record of approval of "7M06112 Financial Technologies" with the head of the internal audit service of Centras Securities JSC Ilyasova N.A. During an interview with representatives of the university, information was given that this EP was agreed with the People's Bank.

The academic committee does not include representatives of the teaching staff and employers in the EP cluster.

A survey of students and teaching staff, conducted during the visit of the EEC of the IAAR, showed that:

- the overwhelming majority of students is generally satisfied with the quality of EP: 67.8% assessed it as excellent, 24.3% as good;

- similarly, the prevailing part of the teaching staff answered that the content of the EP meets their scientific and professional interests and needs: very good - 79.7%, good - 20.3%.

Strengths/best practice for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":

No strengths have been identified for this standard.

Recommendations for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies" are the following:

1. By the beginning of the 2021-2022 academic year, to increase the number of employers involved in reviewing EP.

Additional recommendations for EP "7M06112 Financial Technologies":

1. By the end of the 2020-2021 academic year, to ensure the participation of the teaching staff of the graduating department, representatives of employers and other stakeholders in the design of the EP, including by including them in the Academic Committee of the University.

Conclusions of the EEC on the criteria for EP:

7M06113 Digital media technologies and data visualization according to the standard "Development and approval of educational programs" has 10 satisfactory positions, improvement is suggested on 2 positions.

7M06112 Financial technologies according to the standard "Development and approval of the educational program" has 11 satisfactory positions, improvement is suggested on 1 position.

6.4. The standard "Continuous monitoring and periodic evaluation of basic educational programs"

✓ *The HEI should determine the mechanisms for monitoring and periodic evaluation of the EP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at continuous improvement of the EP.*
✓ *Monitoring and periodic evaluation of the EP should include:*
- *the content of the programs in terms of the latest achievements of science in a specific course to ensure the relevance of the taught course;*
- *changes in the needs of society and the professional environment;*
- *workload and performance of students;*
- *the effectiveness of student assessment procedures;*
- *expectations, needs and satisfaction of students with EP;*
- *educational environment and support services, and their relevance to the goals of the EP.*
✓ *The HEI, EP management must define a mechanism for informing all interested parties about any planned or taken actions in relation to the EP. All changes made to the EP must be published.*
✓ *The EP management should develop a mechanism for revising the content and structure of the EP, taking into account changes in the labor market, employers' requirements and the social demand of society.*

Evidentiary part

The university conducts monitoring and periodic assessment of the accredited EP. The procedure for monitoring and periodic evaluation of the EP at the IITU is carried out on the basis of internal regulatory documents.

Monitoring of educational achievements of students is carried out in accordance with the "Rules for the current monitoring of progress, midterm and final attestation of students" dated September 29, 2020.

The analysis of monitoring procedures and periodic evaluation of educational programs of accredited specialties is carried out on the basis of: analysis of curricula, catalog of elective disciplines, individual plans of students, internal regulative documents governing the implementation of educational programs, their monitoring and evaluation; minutes of meetings of departments; interviewing and surveying students, teaching staff and stakeholders; the results of observations of the activities of support services.

The results of EP monitoring lead to continuous improvement of programs, which are communicated to stakeholders and are an important element of the system for ensuring a high level of training of students. All interested parties are kept informed of any planned and taken actions in relation to these programs.

Also, the university has a "Regulation on quality control of the educational process" of September 11, 2019, which contains clear criteria and methods for assessing the quality of an open lesson, mutual attendance of classes by teachers. The Commission for intra-university control functions. The "Regulation on the Anti-Corruption Policy of the IITU" is in force, the Commissioner for Ethics and Anti-Corruption Risks is functioning, a map of corruption risks has been drawn up.

Analytical part

The analysis of monitoring procedures and periodic evaluation of educational programs of accredited specialties is carried out on the basis of: analysis of curricula, catalog of elective disciplines, individual plans of students, internal regulative documents governing the implementation of educational programs, their monitoring and evaluation; minutes of meetings of departments; interviewing and surveying students, teaching staff.

The expectations, needs and satisfaction of students are assessed periodically. The monitoring of teachers' performance of the teaching load, the content and quality of teaching staff work during office hours, monitoring and assessment of the use of IT resources and university library funds by teachers, monitoring and assessment of the provision of various types of educational and didactic materials in teaching is carried out.

The results of the evaluation of the educational program are discussed at the meetings of the department, faculty, university.

Teachers and students-participants of online interviews during the work of the EEC of the IAAR noted that the university is effectively using the conflict resolution system.

The EEC experts had the opportunity to make sure that the management of the university and the EP conduct constant monitoring, however, studying the materials of the site showed that the EP management does not publish information about all the main changes in the processes of development and implementation of the EP.

Based on the results of the online survey of teaching staff within the EEC to the question "How much does the content of the educational program meet your scientific and professional interests and needs?" 79.7% of respondents answered "very well", 20.3% - "well".

The results of the survey of students during the visit of the IAAR EEC show how satisfied they are with informing students about courses, educational programs and academic degrees: answered "completely satisfied" - 65.2%, "partially satisfied" - 23.5%, partially not satisfied – 5,2%, 6.1% of respondents found it difficult to answer.

On the whole, 67.8% are completely satisfied with the quality of the educational program, 24.3% are partially satisfied and 5.2% are partially dissatisfied, 2.6% of respondents found it difficult to answer.

Strengths /best practice for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":

No strengths have been identified for this standard.

Recommendations for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":

1. In the Regulations on the site, to specify the rules for submitting information about changes in the content of the EP.

EEC conclusions on the criteria for EP 7M06113 Digital media technologies and data visualization, 7M06112 Financial technologies:

According to the standard "Continuous monitoring and periodic evaluation of educational programs" they have 8 satisfactory positions, 1 position implies improvement.

6.5. The standard "Student-centered learning, teaching and assessment of progress"

✓ *The EP management must ensure respect and attention to various groups of students and their needs, provide them with flexible learning paths.*

✓ *The EP management should provide for the use of various forms and methods of teaching and learning.*

✓ *An important factor is the availability of conducted research in the field of methods for teaching the academic courses of the EP.*

✓ *The EP management must demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes.*

✓ *The EP management must demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.*

✓ *The EP management must demonstrate the existence of a procedure for responding to student complaints.*

✓ *The HEI must ensure consistency, transparency and objectivity of the learning outcome assessment mechanism for each EP, including appeal.*

✓ *The HEI must ensure that the procedures for assessing the learning outcomes of EP students are consistent with the planned results and objectives of the program. Criteria and methods of assessment within the EP must be published in advance.*

✓ *In the HEI, there must be mechanisms to ensure the acquisition of learning outcomes by each EP graduate and the completeness of their acquisition.*

✓ *The evaluators should be proficient in modern methods of assessing learning outcomes and regularly improve their qualifications in this area.*

Evidentiary part

The individual characteristics, needs and cultural experience of students are taken into account in various aspects of scientific and educational activities: when choosing elective courses, when choosing a practice base, when determining the topic of a master's work, when choosing a research supervisor, with the participation of students in research work (scientific projects). The individual characteristics of students are taken into account through the service of advisers, whose activities are regulated by the Rules for organizing the work of an adviser. https://iitu.kz/documents/121/R-14_%D0%9F%D1%80%D0%B0%D0%B2%D0%B8%D0%BB%D0%B0_%D0%BE%D1%80%D0%B3%D0%B0%D0%BD%D0%B8%D0%B7%D0%B0%D1%86%D0%B8%D0%B8_%D1%80%D0%B0%D0%B1%D0%BE%D1%82%D1%8B_%D1%8D%D0%B4%D0%B2%D0%B0%D0%B9%D0%B7%D0%B5%D1%80%D0%B0_%D0%A0%D0%95%D0%94.pdf.

The adviser provides advice to students in choosing the direction of training, determining an individual trajectory of training through the choice of elective disciplines in accordance with the inclinations, capabilities, interests and goals of the student.

Assessment of educational achievements and the level of training of students at the university is carried out in accordance with the following regulatory documents: "Rules for the current monitoring of progress, midterm and final attestation of students" https://iitu.kz/documents/718/R-11_%D0%9F%D1%80%D0%B0%D0%B2%D0%B8%D0%BB%D0%B0_%D0%BF%D1%80%D0%BE%D0%B2%D0%B5%D0%B4%D0%B5%D0%BD%D0%B8%D1%8F_%D1%82%D0%B5%D0%BA%D1%83%D1%89%D0%B5%D0%B3%D0%BE_%D0%BA%D0%BE%D0%BD%D1%82%D1%80%D0%BE%D0%BB%D1%8F%D0%A0%D0%B5%D0%B4.4_2020.pdf, "Regulation on the quality control of the educational process" of September 11, 2019, Academic Policy https://iitu.kz/documents/155/QM-02__%D0%90%D0%BA%D0%B0%D0%B4%D0%B5%D0%BC%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%B0%D1%8F_%D0%BF%D0%BE%D0%BB%D0%B8%D1%82%D0%B8%D0%BA%D0%B0_%D0%B2%D0%B5%D1%80%D1%81%D0%B8%D1%8F_10_%D0%B4%D0%BE%D0%B1%D0%B0%D0%B2%D0%BB%D0%B5%D0%BD%D1%8B_%D0%BF%D1%83%D0%BD%D0%BA%D1%82%D1%8B_10.7_11.8_MUC4cU5.pdf, as well as internal rules and procedures of the QMS: "Documented procedure. Organization of the educational process (Master's) ".

At the time of work of the EEC of the IAAR, the first group of master students was trained in EP "7M06113 Digital Media Technologies and Data Visualization", in EP 7M06112 Financial Technologies, the contingent of students was absent. This circumstance does not allow to analyze the progress of students as a result of student-centered learning.

The university has an electronic database "Platonus".

Places of internship in EP "7M06113 Digital Media Technologies and Data Visualization" correspond to the profile of the specialty. In order to centrally provide students with places of practice, the university and departments are working to make long-term contracts with various institutions and organizations.

For practical training, contracts have been made with practice bases with the possibility of subsequent employment: there are agreements on cooperation for training in leading editorial offices, channels and media agencies of the city of Almaty and regions of the Republic of Kazakhstan.

Analytical part

The EP management ensures the transparency and availability of students to the assessment results, the possibility to assess the professional qualities of the teaching staff, as well as the level of material and technical support of the educational process.

The experts also noted that the qualifications of teachers correspond to the profile of the disciplines taught.

Based on the results of online interviews with IAAR experts, employers noted that IITU students have a sufficient level of theoretical and practical training, good command of English and digital technologies, which significantly distinguishes them from students of other universities in Almaty.

Experts note that the university conducts research at a sufficient level in the field of teaching methods of financial and economic disciplines.

The university operates a flexible discount system to support active students with a high level of academic performance and students from low-income families.

A survey of students by the EEC showed that:

- 72.2% of respondents are completely satisfied with the informational support and explanation before entering the university of the rules of admission and the strategy of the educational program (specialty), 19.1% are partially satisfied, 5.2% are partially dissatisfied, 1.9% are dissatisfied; 2.6% found it difficult to answer;

- 53.4% are fully satisfied with the availability of academic consulting, 29.6% are partially satisfied, 6.1% are partially dissatisfied, 0.9% are not satisfied, and 6.1% found it difficult to answer.

Strengths / best practice for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":
No strengths have been identified for this standard.

Recommendations for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":
There are no recommendations for this standard.

EEC conclusions on the criteria for the EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":
According to the standard "Management of the educational program" has 10 satisfactory positions.

6.6. The standard "Students"

> ✓ *The HEI must demonstrate the existence of a policy for the formation of the contingent of students in the context of EP from admission to graduation and ensure the transparency of its procedures. The procedures governing the life cycle of students (from admission to graduation) must be defined, approved, and published.*
> ✓ *The EP management should determine the procedure for the formation of the contingent of students based on:*
> - *minimum requirements for applicants;*
> - *maximum group size when conducting seminars, practical, laboratory and studio classes;*
> - *forecasting the number of government grants;*
> - *analysis of available material and technical, information resources, human resources;*
> - *analysis of potential social conditions for students, incl. providing places in the hostel.*
> ✓ *The EP management must demonstrate its readiness to conduct special adaptation and support programs for newly admitted and foreign students.*
> ✓ *The HEI must demonstrate that its actions are in accordance with the Lisbon Recognition Convention.*
> ✓ *The HEI 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 EP management must demonstrate 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 HEI should provide an opportunity for external and internal mobility of students of the EP, as well as a willingness to assist them in obtaining external grants for training.*
> ✓ *The EP management must demonstrate its readiness to provide students with places for internship, to promote the employment of graduates, to keep in touch with them.*
> ✓ *The HEI should provide EP graduates with documents confirming the acquired qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.*
> ✓ *An important factor is the availability of mechanisms for monitoring the employment and professional activities of EP graduates.*

Evidentiary part
The policy of forming the contingent at the university is governed by the Standard Rules

for admission to training in educational organizations that implement educational programs of higher and postgraduate education, approved by the Government of the Republic of Kazakhstan dated January 19, 2012 No. 109 (with amendments and additions as of July 26, 2017) and is reflected in the admission Requirements for postgraduate programs https://iitu.kz/documents/115/R-05_%D0%9F%D1%80%D0%B0%D0%B2%D0%B8%D0%BB%D0%B0_%D0%BF%D1%80%D0%B8%D0%B5%D0%BC%D0%B0_%D0%BD%D0%B0_%D0%BE%D0%B1%D1%83%D1%87%D0%B5%D0%BD%D0%B8%D0%B5-_%D0%BF%D0%BE%D1%81%D0%BB%D0%B5%D0%B2%D1%83%D0%B7%D0%BE%D0%B2%D1%81%D0%BA%D0%BE%D0%B3%D0%BE_%D0%BE%D0%B1%D1%80%D0%B0%D0%B7%D0%BE%D0%B2%D0%B0%D0%BD%D0%B8%D1%8F.pdf.

Citizens who have mastered the professional curriculum of higher education are admitted to master's degree program. Persons entering master's degree program take entrance exams in a foreign language and in their specialty. Foreigners entering master's degree program take entrance exams in the Kazakh or Russian languages, depending on the language of instruction and in their specialty. Persons holding international certificates confirming proficiency in a foreign language in accordance with the common European competences (standards) of proficiency in a foreign language are exempt from the entrance examination in a foreign language for master's degree program. Persons who have scored the highest points in the sum of entrance exams (at least 150 points on a 100-point scale of grades) are enrolled in training under the state educational order.

The organization of educational work is carried out in accordance with the normative materials of the Ministry of Education and Science of the Republic of Kazakhstan.

In order to ensure the growth of the quality of the educational services provided, a questionnaire of student satisfaction with the quality and conditions of education is carried out.

The university has a service for promoting the employment of graduates, carried out by the Career Center. The university pays attention to monitoring the annual employment and analyzes the labor market. This allows it to control the compliance of strategic plans with the real demand in the educational services market.

Analytical part

The policy of forming the contingent at the university is regulated and reflected in the Academic policy of the university. The principles of creating an educational environment for achieving the required professional level by students as well as the methods of feedback, their informing and aspects of their cultural and social life are presented.

The University assesses the relationship with employers and conducts patriotic, civil, spiritual, moral, sports and recreational activities.

The University provides EP graduates with documents confirming the acquired qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.

The Regulation on the procedure for recognizing learning outcomes of non-formal education was adopted and is acting at the University https://iitu.kz/documents/462/P-71_%D0%9F%D0%BE%D0%BB%D0%BE%D0%B6%D0%B5%D0%BD%D0%B8%D0%B5_%D0%BE_%D0%BF%D1%80%D0%B8%D0%B7%D0%BD%D0%B0%D0%BD%D0%B8%D0%B8_%D0%A0%D0%9E_%D0%BD%D0%B5%D1%84%D0%BE%D1%80%D0%BC.%D0%BE%D0%B1%D1%80%D0%B0%D0%B7%D0%BE%D0%B2%D0%B0%D0%BD%D0%B8%D1%8F_%D1%80%D0%B5%D0%B4.1.pdf.

The educational program is being implemented from the 2020-2021 academic year and due to the pandemic, distance learning is being carried out. In distance learning, the teaching staff of the educational program uses a variety of methods. On October 20, 2020, we attended an online lecture of the Doctor of Technical Sciences, Professor L.K. Nayzabayeva on the topic "Object-oriented models. Data visualization tools". The professor used such methods as the use of CASE-

technology to create and maintain information models. https://teams.microsoft.com/l/channel/19%3a5dfce6f647af43898b630450a913c753@thread.tacv2/%D0%9E%D0%B1%D1%89%D0%B8%D0%B9?groupId=6a73e3b6-b633-4387-be85-5e80f58b1377&tenantId=70c1157a-941c-4b39-98e6-a0634f2759e7.

In the science section on the university website, scientific publications, republican competitions, conferences and additional materials for students are presented. https://iitu.kz/ru/articles/article2 /

During interviews with participants of the educational process, it was noted that there was no student dormitory.

The results of the survey of students during the online visit of the EEC IAAR showed that: - 57.4% of them are fully satisfied with the requirements of the teaching staff to the student, 32.2% are partially satisfied, 7.8% are partially dissatisfied and 2.6% of respondents found it difficult to answer;

- 57.4% are fully satisfied with the availability of academic counseling, 29.6% are partially satisfied, 6.1% are partially dissatisfied, 0.9% are not satisfied and 6.1% of students found it difficult to answer.

Strengths / best practice according to "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
No strengths have been identified for this standard.

Recommendations for "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
1. To draw up a phased plan by the 2021-2022 academic year for further improvement of such social conditions of students as construction of a dormitory, affordable prices in student canteens, ubiquitous Wi-fi access, affordable medical services, etc.

EEC conclusions on the criteria for the "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
There are 14 satisfactory positions according to the "Students" standard.

6.7. The standard "Teaching staff"

> ✓ The HEI must have an objective and transparent personnel policy in the context of the EP, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff.
> ✓ The HEI must demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the PA and the specifics of the EP.
> ✓ The EP management must demonstrate awareness of responsibility for its employees and provide them with favorable working conditions.
> ✓ The EP management must demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.
> ✓ The HEI should determine the contribution of the teaching staff of the EP to the implementation of the HEI development strategy, and other strategic documents.
> ✓ The HEI should provide opportunities for career growth and professional development of the teaching staff of the EP.
> ✓ The EP management must demonstrate a willingness to involve in teaching practitioners from relevant industries.
> ✓ The HEI should demonstrate the motivation for the professional and personal development of EP teachers, 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 EP, to attract the best

foreign and domestic teachers.

Evidentiary part

The teaching staff of the EP is staffed in accordance with the legislation of the Republic of Kazakhstan and the Rules for the competitive filling of positions of scientific and pedagogical personnel of higher educational institutions. The selection of personnel is carried out on the basis of an analysis of the educational program needs, according to the results of which a competition for filling vacant positions is announced. Appointment to the position and promotion are carried out on the basis of the IITU rector's order, taking into account the professional competence of the teaching staff.

The personnel potential of the teaching staff corresponds to the specifics of the accredited EPs.

The development of human resources is also carried out through the replenishment of the teaching staff with graduates of the master's degree and doctoral programs, as well as by holding annual competitions for vacant positions of teaching staff in accordance with internal regulatory documents (Rules for the competitive filling of positions of teaching staff and scientific workers, based on the needs of EP).

Procedures for hiring, promotion, rewarding and dismissal are carried out in relation to teachers and university employees, in accordance with the internal labor regulations of the university. All processes related to personnel are regulated by personnel policy. https://iitu.kz/documents/111/R-01_%D0%9F%D1%80%D0%B0%D0%B2%D0%B8%D0%BB%D0%B0_%D0%B2%D0%BD%D1%83%D1%82%D1%80%D0%B5%D0%BD%D0%BD%D0%B5%D0%B3%D0%BE_%D1%80%D0%B0%D1%81%D0%BF%D0%BE%D1%80%D1%8F%D0%B4%D0%BA%D0%B0_%D0%90%D0%9B.pdf5,

The EP management pays due attention to improving the qualifications of teachers (table 1).

Table 1 - Information on the number of teachers of graduating departments who took advanced training courses

Academic year	Department of Media Communications and History of Kazakhstan	Department of Economics and Business
2017-2018	13	12
2018-2019	16	15
2019-2020	23	20

The topics of the advanced training courses taken, along with the topics of the taught disciplines, cover the teaching methodology.

The university takes certain actions to motivate the professional and personal development of EP teachers. For example, the university administration applies measures of material incentives to teachers and university staff for the achieved success in scientific and educational work. Material assistance is provided to teachers and university staff in necessary cases.

Analytical part

Based on the results of the analysis in the context of the "Teaching staff" standard, the commission came to the conclusion that the IITU has an objective and transparent personnel policy https://iitu.kz/documents/685/%D0%9A%D0%B0%D0%B4%D1%80%D0%BE%D0%B2%D0%B0%D1%8F_%D0%BF%D0%BE%D0%BB%D0%B8%D1%82%D0%B8%D0%BA%D0%B0.pdf. The personnel potential of the accredited EPs corresponds to the university's strategy, as well as to qualification requirements, the level and specificity of educational programs.

In the course of online interviews within the framework of the EEC IAAR work, the teachers showed high motivation to publish the results of research. At the same time, it was noted that the provision on the system of additional payments was discussed, but it is not yet approved by the administration.

The teachers who participated in the interview noted that the university administration pays great attention to the development of human resources and the training of its own graduate cadres from among its graduates and young teachers. At the same time, there is no valid regulation on the KPI system.

The management of the assessed EPs demonstrates an awareness of responsibility for its employees, providing them with favorable working conditions and a change in the role of the teacher in connection with the transition to student-centered learning: providing an opportunity to improve their qualifications at the expense of the university.

The teaching staff of the departments of the assessed EPs take an active part in the functioning of the university, and are also engaged in research activities, which resulted in publication activity.

ICT is actively used in the educational process, especially in the context of a pandemic.

At the Department of Economics and Business, there are 4 practitioners who work in combination: N.A. Nekrasova, Executive Director of the Union of Project Managers of the Republic of Kazakhstan, N. Tulekov, Executive Director of Synersy Astana LLP, A. Moldybayev, General Director of English Point LLP, and S. Surshanov, Project Manager of IBEC Systems LLP. Also there are 4 teachers with experience in production at the department: Ye. Zh. Shildibekov, M.K. Kamysbayev, K.S. Maulenov and G.M. Berdykulova.

The results of the questioning of the teaching staff of the accredited EPs showed that:
- the work on improving the qualifications of the teaching staff at the university is: at a very good level - 39.1%; at a good level - 56.3%;
- support for research initiatives of teaching staff is: at a very good level- 50%; at a good level - 45.3%;
- 75% of respondents are completely satisfied with recognition of their own successes and achievements by the administration while 21.9% of them are partially satisfied.

Strengths / best practice according to "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
No strengths have been identified for this standard.

Recommendations for "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
1. To introduce a rating system / KPI to motivate the professional and personal development of the EP teaching staff in 2021-2022 academic year.

EEC conclusions on the criteria for the "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
There are 9 satisfactory positions according to the "Teaching staff" standard.

6.8. The standard "Educational resources and student support systems"

> ✓ The HEI must ensure a sufficient number of training resources and student support services that meet the goals of the EP.
> ✓ The HEI 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 EP (adults, working, foreign students, as well as students with disabilities).

✓ The EP management must demonstrate the existence of procedures for supporting various groups of students, including informing and counseling. The EP management must demonstrate the compliance of information resources with the EP specifics, including:

- *technological support for students and teaching staff in accordance with educational programs (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 major courses on paper and electronic media, periodicals, access to scientific databases;*
- *examination of research results, graduation works, dissertations for plagiarism;*
- *access to educational Internet resources;*
- *functioning of WI-FI on the territory of the educational organization.*

✓ The HEI should strive to ensure that the educational equipment and software intended for use in the development of educational programs are similar to those used in the relevant industries.

Evidentiary part

The accredited EPs are provided with a fund of educational, methodological and scientific literature on general education, basic and major disciplines on paper and electronic media in the state, Russian and English languages.

Sufficient conditions have been created at the university to ensure the availability and quality of education, for continuous professional development of the teaching staff and increasing the efficiency of EP management. Material, technical, informational and socio-cultural resources correspond to the activities, mission, vision and strategy of the University as well as to plans for the EP implementation.

The university has normative documentation on the organization and teaching and methodological support of the educational process as well as on the organization of research and educational work, available to students on its official website.

The University has a student support service, which provides an opportunity to get acquainted with the requirements for the educational process, financial discipline and behavior as well as to get advice and take part in the work of public associations and university management.

The classrooms meet the sanitary and hygienic standards for the university classrooms of the Republic of Kazakhstan. The existing classroom fund of EP specialties as a whole provides the need for training premises, which ensures the organization of training sessions. The used general training area complies with the normative indicators and the standards of the sanitary and fire service.

The library as a whole is provided with literature on all university specialties. The library fund is replenished with educational, methodical and periodical literature. There is a fund of literature on electronic and magnetic media. There is access to the collection of the electronic library from every computer of the university.

The university is constantly working on the creation of modern electronic databases, including foreign ones, which provide scientific and innovative solutions to problems. The university offers free access to full-text databases of the Web of Science, Thomson Reuters and Springer.

Analytical part

In general, the expert commission notes that educational resources and student support systems comply with the regulatory requirements: there are necessary computer classes, workshops and laboratories equipped with educational equipment.

During the online presentation of the material and technical resources and infrastructure of the university, the laboratory of economic research, a reading room, an electronic reading room, KALIS, an ALIS exhibition, an innovation center, an Apple training center, an electronic journalism television studio, a training laboratory of the "Mag n IT", a "Big Data" Research Laboratory and a Center for Innovative and Smart Learning were demonstrated to the external expert commission.

In a conversation with the managers of educational programs, a number of achievements in ensuring the availability of material and technical resources and information were noted.

Experts note that the high-level technological support of master's degree students and the presence of two teachers who have been trained in the use of the SEP Strategic Enterprise Management software product at the Department of Economics and Business allow for high-quality research.

Graduation works are checked for plagiarism in accordance with the Regulations on the anti-plagiarism system https://iitu.kz/documents/130/P-51_%D0%9F%D0%BE%D0%BB%D0%BE%D0%B6%D0%B5%D0%BD%D0%B8%D0%B5_%D0%BE_%D1%81%D0%B8%D1%81%D1%82%D0%B5%D0%BC%D0%B5_%D0%90%D0%BD%D1%82%D0%B8%D0%BF%D0%BB%D0%B0%D0%B3%D0%B8%D0%B0%D1%82.pdf.

The Innovation Center aimed at developing the entrepreneurial skills of students and providing support for projects (from an idea to the final result) is successfully operating.

The Career Center along with traditional job fairs organizing meetings with employers, including in an online format is successfully operating.

The survey results of students, conducted during the online visit of the EEC IAAR, showed that:

- 59.1% of respondents are fully satisfied with the available computer classes while 27.8% of them are partially satisfied;

- 71.3% of respondents are fully satisfied with the level of accessibility of library resources while 23.5% of them are partially satisfied;

- 69.6% of respondents are fully satisfied with the availability of computer classes while 20.9% of them are partially satisfied.

Strengths / best practice according to "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
No strengths have been identified for this standard.
Recommendations for "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
No recommendations have been developed for this standard.
EEC conclusions on the criteria for the "7M06113 Digital Media Technologies and Data Visualization" and "7M06112 Financial Technologies" EPs:
There are 8 satisfactory positions according to the "Educational resources and student support systems" standard.

6.9. The standard 'Informing the public'

✓ *The HEI must publish reliable, objective, relevant information about the educational program and its specifics, including:*
- *expected learning outcomes of the educational program being implemented;*
- *qualification and (or) qualifications that will be awarded upon completion of the educational program;*
- *approaches of teaching, learning, as well as the system (procedures, methods and forms) of assessment;*
- *information about necessary scores and learning opportunities provided to students;*
- *information about the possibilities of employment of graduates.*
✓ *The EP management should provide for a variety of ways to disseminate information, including the media, information networks to inform the general public and interested bodies.*
✓ *Public awareness should include support and explanation of national development programs of the country and the system of higher and postgraduate education.*
✓ *The HEI must demonstrate on the web resource the information that characterizes it in general and in*

the context of educational programs.
✓ An important factor is the availability of adequate and objective information about the teaching staff of the EP.
✓ An important factor is informing the public about cooperation and interaction with partners within the EP.

Evidentiary part

Information about the university's activities and the implementation of the Educational programs (EP) is available on the official website, which operates in Kazakh, Russian and English languages.

Information about the EP with the indication of the training results is freely available. Information about passing points is also posted.

The site administrator, who organizes the work on the content of the site, is the Department of Marketing and PR, functioning in accordance with the Regulations on the official website of JSC "IITU" of January 10, 2020.

Social networks such as Whats App Web, Telegram, VK, Facebook and Instagram are actively used for the dissemination of information.

Any information is prepared in several languages and transmitted to the responsible structural units on the basis of the signatures of the head of the unit and the supervising head.

Analytical part

The information published by the university in the framework of the EP is accurate, objective and relevant. The Commission notes the systematic work on posting information on the website, which allows ensuring transparency of activities.

Information on the departments, including in the context of accredited programs is provided, however, members of the External Expert Commission (EEC) did not manage to get acquainted with the complete information about the teaching staff of the EP "7M06112 Financial Technologies" in the context of the personalities of teachers as a whole of the entire EP.

As shown by the analysis of the content of the university website in relation to the accredited EP, the website did not reflect the latest changes in the EP 7M06112 Financial Technologies.

According to the results of an online survey of students within the framework of an online visit of the EEC IAAR, 90.2% of students are fully satisfied with the content and information content of the website of the university in general and faculties, 3.9% are partially satisfied; 5.2% of respondents are partially satisfied.

***Strengths / best practice according to* EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":**
No strengths have been identified for this standard.

***Recommendations for* EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":**
By the end of the 2020-2021 academic year, place information about the teaching staff in a unified form (including the scientific degree / title, basic education, courses taught, scientific specialization, publications, etc.) on the university website.

Conclusions of the EEC on the criteria for EP:
7M06113 Digital media technologies and data visualization according to the "Informing the public" standard educational program "7M06113 Digital media technologies and data visualization" has 10 satisfactory positions.

7M06112 Financial technologies according to the standard " Informing the public " educational program "7M06112 Financial technologies" has 9 satisfactory positions, 1 assumes improvement.

6.10. Standards in the context of individual specialties

✓ The HEI must publish reliable, objective, relevant information about the educational program and its specifics, including:
- expected learning outcomes of the educational program being implemented;
- qualification and (or) qualifications that will be awarded upon completion of the educational program;
- approaches of teaching, learning, as well as the system (procedures, methods and forms) of assessment;
- information about necessary scores and learning opportunities provided to students;
- information about the possibilities of employment of graduates.

✓ The EP management should provide for a variety of ways to disseminate information, including the media, information networks to inform the general public and interested bodies.

✓ Public awareness should include support and explanation of national development programs of the country and the system of higher and postgraduate education.

✓ The HEI must demonstrate on the web resource the information that characterizes it in general and in the context of educational programs.

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

✓ An important factor is informing the public about cooperation and interaction with partners within the EP.

Evidentiary part

The organization of educational activities for accredited EP is carried out by planning the educational process and the content of education, the choice of methods for their implementation. The balance of theoretical and practice-oriented disciplines in the implementation of EP is ensured by the fact that the study of theoretical disciplines necessarily presupposes their practical orientation to the educational process in accordance with general didactic principles, and the study of practice-oriented disciplines is based on fundamental theories.

The introduction of innovative methods for EP is implemented in the educational process using active forms of conducting classes: lectures in the form of feedback, training, business games, brainstorming, project method, collective interaction technology, case study, design work, analysis of specific situations in order to form and develop professional skills among students.

Analytical part

Educational activities of EP are carried out on the basis of the following principles: a systematic approach to building the structure and content of EP; structuring knowledge and cooperation between trainers and students; competence-based approach to teaching undergraduates; interdisciplinary approach to learning; modular principle of building EP; flexibility of building a modular course and the Educational programs themselves.

The university implements a close connection between teaching, students and employers.

The involvement of specialists with extensive work experience to the educational program has been established. For example, Ayazbi Beisenkulov, Aigul Niyazkulova, Svetlana Velichenka, Dmitry Shorokhov are scientists with extensive experience not only in universities, but in the media as well.

An online survey of students within the framework of the EEC IAAR showed that most students believe that the material proposed by the teachers is relevant and reflects the latest achievements of science and technology: 57.4% fully agree with this, 25.2% agree and 13.9 % partially agree.

Strengths / best practice for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":
No strengths have been identified for this standard.

Recommendations for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":
There are no recommendations for this standard.

Conclusions of the EEC on the criteria for the EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":
The standard "Standards in the context of individual specialties" has 5 satisfactory positions.
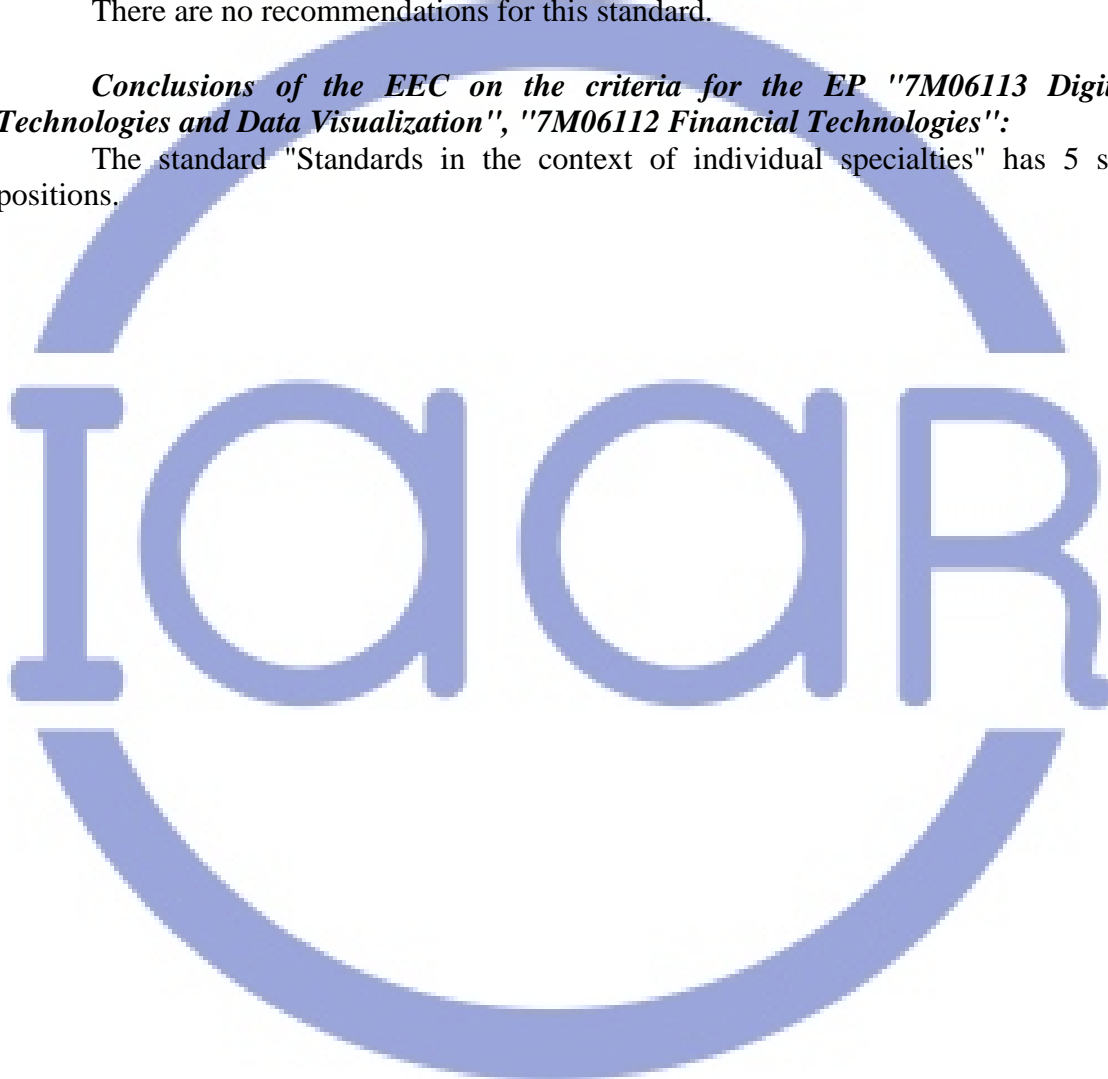
(VII) OVERVIEW OF STRENGTHS / BEST PRACTICES FOR EACH STANDARD

for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":

According to the standard "Management of the educational program":
- ✓ The University has a detailed Quality Manual that clearly reflects the relationship between scientific and educational processes.
- ✓ The University has created and operates a unified quality management system based on a system of business processes for organizing and distributing responsibility for individual processes in accordance with ST RK ISO 9001-2016 with periodic audits. The University has passed international institutional accreditation at the Accreditation Agency for Study Programmes of Engineering, Information Science, Natural Sciences and Mathematics (ASIIN, Germany) for 5 years.
- ✓ The management of the accredited EP is opened and available to all participants in the educational process, which is confirmed by the results of the questionnaire and interviews conducted during the online visit of the EEC, the EP management system demonstrates transparency.

According to the standard "Information Management and Reporting"
- ✓ Information management processes at IITU are supported by the use of specialized software products.

According to the standard "Development and Approval of the Educational program"
- ✓ No strengths have been identified for this standard.

According to the standard "Continuous Monitoring and Periodic Evaluation of Educational programs"
- ✓ No strengths have been identified for this standard.

According to the standard "Student-centered Learning, Teaching and Assessment of Progress"
- ✓ No strengths have been identified for this standard.

According to the standard "Students"
- ✓ No strengths have been identified for this standard.

According to the standard "Teaching Staff"
- ✓ No strengths have been identified for this standard.

According to the standard "Educational Resources and Student Support Systems"
- ✓ No strengths have been identified for this standard.

According to the standard " Informing the public "
- ✓ No strengths have been identified for this standard.

According to the standard "Standards in the Context of Individual Specialties"
- ✓ No strengths have been identified for this standard.

(VIII) OVERVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS FOR EACH STANDARD

for EP "7M06113 Digital Media Technologies and Data Visualization", "7M06112 Financial Technologies":

According to the standard "Management of the Educational Program"
- ✓ By the end of the 2020-2021 academic year, develop and approve an internal document regulating the implementation of joint and double-degree educational programs, academic mobility of students.
- ✓ By the end of the 2020-2021 academic year, amend the "Regulations on the Development and Approval of Educational programs" (P35), providing for a mechanism for the formation and updating of the EP Development Plan.
- ✓ By the end of the 2020-2021 academic year, develop and approve an internal document aimed at creating and effective functioning of the EP risk management system.
- ✓ By the beginning of the 2021-2022 academic year, introduce representatives of the teaching staff, students and employers into the collegial management bodies (faculty council, academic council, Academic committee, etc.).

Additional recommendations for EP "7M06112 Financial Technologies":
- ✓ By the end of the 2020-2021 academic year, the EP management, with the participation of employers and teaching staff, should develop an EP development plan with specific measurable indicators and appoint those responsible for the implementation of the plan.
- ✓ When developing the EP development plan, specify the uniqueness and individuality of the development plan.

According to the standard "Information Management and Reporting"
- ✓ There are no recommendations for this standard.

According to the standard "Development and Approval of the Educational program"
- ✓ By the beginning of the 2021-2022 academic year, increase the number of employers involved in peer review of EP.

Additional recommendations for EP "7M06112 Financial Technologies":
- ✓ By the end of the 2020-2021 academic year, ensure the participation of the teaching staff of the graduating department, representatives of employers and other stakeholders in the design of the EP, including them in the Academic Committee of the University.

According to the standard "Continuous Monitoring and Periodic Evaluation of Academic
- ✓ In the Regulations on the site, specify the rules for submitting information about changes in the content of the OP.

According to the standard "Student-centered Learning, Teaching and Assessment of Progress"
- ✓ There are no recommendations for this standard.

According to the standard "Students"
- ✓ By the 2021-2022 academic year, draw up a phased plan to further improvement of the social conditions of students: construction of a dormitory, affordable prices in student canteens, ubiquitous Wi-fi access, affordable medical services, etc.

According to the standard "Teaching Staff"
- ✓ From the 2021-2022 academic year, introduce a rating system / KPI to motivate the professional and personal development of the teaching staff of the EP.

According to the standard "Educational Resources and Student Support Systems"
- ✓ There are no recommendations for this standard.

According to the standard "Informing the Public"
- ✓ By the end of the 2020-2021 academic year, place information about teaching staff in a unified form (including scientific degree / title, basic education, courses taught, scientific specialization, publications, etc.) on the university website.

According to the standard "Standards in the Context of Individual Specialties"
- ✓ There are no recommendations for this standard.

Appendix 1. Evaluation table "CONCLUSION OF THE EXTERNAL EXPERT COMMISSION" (EP 7M06113 - Digital Media Technologies and Data Visualization)

No.	No.	Assessment criteria	Position of the educational organization			
			Strong	Satisfactory	Needs improvement	Unsatisfactory
		The standard "Management of the educational program"				
1.	1.	The institution of higher and / or postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the link between research, teaching and learning.	+			
2.	2.	The HEI must demonstrate the development of a culture of quality assurance, including the context of EP.		+		
3.	3.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree programs and academic mobility.			+	
4.	4.	The EP management demonstrates its readiness to ensure the transparency of the EP development plan based on the analysis of its functioning, the actual positioning of the educational organization and the focus of its activities on meeting the needs of the state, employers, students and other interested bodies. The plan must contain the timing of the start of the implementation of the educational program		+		
5.	5.	The EP management demonstrates the existence of mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the			+	

35

		EP.				
6.	6.	EP management should involve representatives of interested bodies, including employers, students and teaching staff, in the formation of the EP development plan.		+		
7.	7.	The EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national priorities and the development strategy of the organization of HEI.		+		
8.	8.	The HEI must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and the delineation of functions of collegial bodies.		+		
9.	9.	The EP management must provide evidence of the transparency of the educational program management system.	+			
10.	10.	The EP management must demonstrate the existence of an internal EP quality assurance system, including its design, management and monitoring, their improvement, decision making based on facts.	+			
11.	11.	The EP management must carry out risk management, including within the framework of the EP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.			+	
12.	12.	The EP management must ensure the participation of representatives of employers, teaching staff, students and other interested parties 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 educational organization must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.		+		
14.	14.	EP management must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties.	+			
15.	15.	The EP management should be trained in educational management programs.		+		
		Total for the standard	4	7	4	

		The standard 'Information Management and Reporting'				
16.	1.	The HEI must demonstrate that it has a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software and that it uses a variety of methods to collect and analyze information in the context of the EP.	+			
17.	2.	The EP management must demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18.	3.	The EP management must demonstrate fact-based decision making.		+		
19.	4.	Within the EP, there must be a system of regular reporting that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and divisions, scientific projects.		+		
20.	5.	The HEI should establish the frequency, forms and methods of assessing the EP management, the activities of collegial bodies and structural units, top management, the implementation of research projects.		+		
21.	6.	The HEI must demonstrate the order and protection of information, including the identification of persons responsible for the accuracy 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 EP management must demonstrate the existence of a communication mechanism with students, employees and other interested bodies, as well as mechanisms for resolving conflicts.		+		
24.	9.	The HEI must demonstrate the existence of mechanisms for measuring the degree of satisfaction of the needs of teaching staff, personnel and students within the EP.		+		
25.	10.	The HEI should provide for an assessment of the effectiveness and efficiency of activities, including in the context of EP.		+		
	11.	Information intended for collection and				

		analysis within the EP should take into account:				
26.	11.1	key performance indicators;		+		
27.	11.2	dynamics of the number of students in the context of forms and types;		+		
28.	11.3	academic performance, student achievement and expulsion;		+		
29.	11.4	satisfaction of students with the implementation of EP and the quality of education at the university;		+		
30.	11.5	availability of educational resources and support systems for students.		+		
31.	12.	The HEI must confirm the implementation of the procedures for processing personal data of students, employees and teaching staff on the basis of their documentary consent.		+		
Total for the standard			**1**	**15**		
The standard "Development and approval of basic educational programs"						
32.	1.	The HEI should define and document procedures for the development of the EP and its approval at the institutional level.		+		
33.	2.	The EP management must ensure that the developed EP meets the established goals, including the expected learning outcomes.		+		
34.	3.	The EP management must ensure the availability of developed models of the EP graduate which describes the learning outcomes and personal qualities.		+		
35.	4.	The EP management must demonstrate the conduct of external assessment of the EP content and the planned results of its implementation.			+	
36.	5.	The qualification awarded upon completion of the EP must be clearly defined and correspond to a certain level of the NQF.		+		
37.	6.	The EP management must determine the influence of courses and professional internships on the formation of learning outcomes.		+		
38.	7.	An important factor is the ability to prepare students for professional certification.		+		
39.	8.	The EP management must provide evidence of participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality.		+		

40.	9.	The load of the EP should be clearly defined in Kazakhstani credits and ECTS.		+		
41.	10.	The EP management must ensure that the content of academic courses and the planned results are consistent with the level of education (bachelor's, master's, doctoral studies).		+		
42.	11.	The structure of the EP should provide for various types of activities to ensure that students achieve the planned learning outcomes.		+		
43.	12.	An important factor is the consistency of the content of the EP and the learning outcomes of the EP, implemented by organizations of higher and (or) postgraduate education in the EHEA.		+		
		Total for the standard		**11**	**1**	
		The standard "Continuous monitoring and periodic evaluation of basic educational programs"				
44.	1.	The HEI should determine the mechanisms for monitoring and periodic evaluation of the EP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at continuous improvement of the EP.		+		
	2	Monitoring and periodic evaluation of the EP should include:				
45.	2.1.	the content of the programs in terms of the latest achievements of science in a specific course to ensure the relevance of the taught course;		+		
46.	2.2.	changes in the needs of society and the professional environment;		+		
47.	2.3.	workload and performance of students;		+		
48.	2.4.	the effectiveness of student assessment procedures;		+		
49.	2.5.	expectations, needs and satisfaction of students with EP;		+		
50.	2.6.	educational environment and support services, and their relevance to the goals of the EP.		+		
51.	3	The HEI, EP management must define a mechanism for informing all interested parties about any planned or taken actions in relation to the EP. All changes made to the EP must be published.		+		
52.	4	The EP management should develop a mechanism for revising the content and structure of the EP, taking into account changes in the labor market, employers'			+	

		requirements and the social demand of society.				
		Total for the standard		**8**	**1**	
The standard "Student-centered learning, teaching and assessment of progress"
53.	1.	The EP management must ensure respect and attention to various groups of students and their needs, provide them with flexible learning paths.		+		
54.	2.	The EP management should provide for the use of various forms and methods of teaching and learning.		+		
55.	3.	An important factor is the availability of conducted research in the field of methods for teaching the academic courses of the EP.		+		
56.	4.	The EP management must demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes.		+		
57.	5.	The EP management must demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
58.	6.	The EP management must demonstrate the existence of a procedure for responding to student complaints.		+		
59.	7.	The HEI must ensure consistency, transparency and objectivity of the learning outcome assessment mechanism for each EP, including appeal.		+		
60.	8.	The HEI must ensure that the procedures for assessing the learning outcomes of EP students are consistent with the planned results and objectives of the program. Criteria and methods of assessment within the EP must be published in advance.		+		
61.	9.	In the HEI, there must be mechanisms to ensure the acquisition of learning outcomes by each EP graduate and the completeness of their acquisition.		+		
62.	10.	The evaluators should be proficient in modern methods of assessing learning outcomes and regularly improve their qualifications in this area.		+		
		Total for the standard		**10**		
The standard "Students"
63.	1.	The HEI must demonstrate the existence of a policy for the formation of the contingent of students in the context of EP from admission to graduation and ensure the		+		

№						
		transparency of its procedures. The procedures governing the life cycle of students (from admission to graduation) must be defined, approved, and published.				
	2	The EP management should determine the procedure for the formation of the contingent of students based on:				
64.	2.1	minimum requirements for applicants;		+		
65.	2.2	maximum group size when conducting seminars, practical, laboratory and studio classes;		+		
66.	2.3	forecasting the number of government grants;		+		
67.	2.4	analysis of available material and technical, information resources, human resources;		+		
68.	2.5	analysis of potential social conditions for students, incl. providing places in the hostel.		+		
69.	3.	The EP management must demonstrate its readiness to conduct special adaptation and support programs for newly admitted and foreign students.		+		
70.	4.	The HEI must demonstrate that its actions are in accordance with the Lisbon Recognition Convention.		+		
71.	5.	The HEI 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.		+		
72.	6.	The EP management must demonstrate 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.		+		
73.	7.	The HEI should provide an opportunity for external and internal mobility of students of the EP, as well as a willingness to assist them in obtaining external grants for training.		+		
74.	8.	The EP management must demonstrate its readiness to provide students with places for internship, to promote the employment of graduates, to keep in touch with them.		+		
75.	9.	The HEI should provide EP graduates with		+		

		documents confirming the acquired qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.				
76.	10.	An important factor is the availability of mechanisms for monitoring the employment and professional activities of EP graduates.		+		
		Total for the standard		**14**		
		The standard "Teaching staff"				
77.	1.	The HEI must have an objective and transparent personnel policy in the context of the EP, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff.		+		
78.	2.	The HEI must demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the PA and the specifics of the EP.		+		
79.	3.	The EP management must demonstrate awareness of responsibility for its employees and provide them with favorable working conditions.		+		
80.	4.	The EP management must demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.		+		
81.	5.	The HEI should determine the contribution of the teaching staff of the EP to the implementation of the HEI development strategy, and other strategic documents.		+		
82.	6.	The HEI should provide opportunities for career growth and professional development of the teaching staff of the EP.		+		
83.	7.	The EP management must demonstrate a willingness to involve in teaching practitioners from relevant industries.		+		
84.	8.	The HEI should demonstrate the motivation for the professional and personal development of EP teachers, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods.		+		
85.	9.	An important factor is the readiness to develop academic mobility within the EP, to attract the best foreign and domestic teachers.		+		

		Total for the standard		**9**		
The standard "Educational resources and student support systems"
86.	1.	The HEI must ensure a sufficient number of training resources and student support services that meet the goals of the EP.		+		
87.	2.	The HEI 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 EP (adults, working, foreign students, as well as students with disabilities).		+		
	3	The EP management must demonstrate the existence of procedures for supporting various groups of students, including informing and counseling. The EP management must demonstrate the compliance of information resources with the EP specifics, including:				
88.	3.1.	technological support for students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
89.	3.2.	library resources, including the fund of educational, methodological and scientific literature on general education, basic and major courses on paper and electronic media, periodicals, access to scientific databases;		+		
90.	3.3.	examination of research results, graduation works, dissertations for plagiarism;		+		
91.	3.4.	access to educational Internet resources;		+		
92.	3.5.	functioning of WI-FI on the territory of the educational organization.		+		
93.	4.	The HEI should strive to ensure that the educational equipment and software intended for use in the development of educational programs are similar to those used in the relevant industries.		+		
		Total for the standard		**8**		
The standard 'Informing the public'
	1	The HEI must publish reliable, objective, relevant information about the educational program and its specifics, including:				
94.	1.1	expected learning outcomes of the educational program being implemented;		+		
95.	1.2.	qualification and (or) qualifications that will be awarded upon completion of the educational program;		+		
96.	1.3.	approaches of teaching, learning, as well as		+		

		the system (procedures, methods and forms) of assessment;				
97.	1.4.	information about necessary scores and learning opportunities provided to students;		+		
98.	1.5.	information about the possibilities of employment of graduates.		+		
99.	2.	The EP management should provide for a variety of ways to disseminate information, including the media, information networks to inform the general public and interested bodies.		+		
100.	3.	Public awareness should include support and explanation of national development programs of the country and the system of higher and postgraduate education.		+		
101.	4.	The HEI must demonstrate on the web resource the information that characterizes it in general and in the context of educational programs.		+		
102.	5.	An important factor is the availability of adequate and objective information about the teaching staff of the EP.		+		
103.	6.	An important factor is informing the public about cooperation and interaction with partners within the EP.		+		
		Total for the standard		**10**		
		Standards in the context of individual specialties				
		NATURAL SCIENCES				
		The educational program of the directions "Natural Sciences" such as *Intellectual systems* must meet the following requirements:				
104.	1.	The EP should include courses and activities aimed at obtaining practical experience and skills in the specialty in general and in the major courses in particular: 1. Excursions to enterprises for specialization 2. Conducting individual classes or entire courses at enterprises of specialization 3. Conducting seminars to solve practical problems relevant for enterprises in the field of specializations		+		
105.	2.	The faculty involved in the education program should include practitioners with long-term experience as full-time employees in enterprises in the field of specialization of the educational program		+		
106.	3.	The content of all EP courses should be		+		

		based and include a clear relationship with the content of fundamental natural sciences				
107.	4.	EP management should provide for measures to enhance practical training in the field of specialization		+		
108.	5	EP management should provide for the training of students in the use of modern information technologies		+		
		Total for the standard		**5**		
		TOTAL	**5**	**97**	**6**	

Appendix 2. Evaluation table "CONCLUSION OF THE EXTERNAL EXPERT COMMISSION" (EP 7M06112 Financial Technologies)

No.	No.	Assessment criteria	Position of the educational organization			
			Strong	Satisfactory	Needs improvement	Unsatisfactory
		The standard "Management of the educational program"				
1.	16.	The institution of higher and / or postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the link between research, teaching and learning.	+			
2.	17.	The HEI must demonstrate the development of a culture of quality assurance, including the context of EP.		+		
3.	18.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree programs and academic mobility.			+	
4.	19.	The EP management demonstrates its readiness to ensure the transparency of the EP development plan based on the analysis of its functioning, the actual positioning of the educational organization and the focus of its activities on meeting the needs of the state, employers, students and other interested bodies. The plan must contain the timing of the start of the implementation of the educational program			+	
5.	20.	The EP management demonstrates the existence of mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the			+	

		EP.				
6.	21.	EP management should involve representatives of interested bodies, including employers, students and teaching staff, in the formation of the EP development plan.			+	
7.	22.	The EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national priorities and the development strategy of the organization of HEI.			+	
8.	23.	The HEI must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and the delineation of functions of collegial bodies.		+		
9.	24.	The EP management must provide evidence of the transparency of the educational program management system.	+			
10.	25.	The EP management must demonstrate the existence of an internal EP quality assurance system, including its design, management and monitoring, their improvement, decision making based on facts.	+			
11.	26.	The EP management must carry out risk management, including within the framework of the EP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.			+	
12.	27.	The EP management must ensure the participation of representatives of employers, teaching staff, students and other interested parties 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.	28.	The educational organization must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.		+		
14.	29.	EP management must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties.	+			
15.	30.	The EP management should be trained in educational management programs.		+		
		Total for the standard	4	4	7	

		The standard 'Information Management and Reporting'				
16.	10.	The HEI must demonstrate that it has a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software and that it uses a variety of methods to collect and analyze information in the context of the EP.	+			
17.	11.	The EP management must demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18.	12.	The EP management must demonstrate fact-based decision making.		+		
19.	13.	Within the EP, there must be a system of regular reporting that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and divisions, scientific projects.		+		
20.	14.	The HEI should establish the frequency, forms and methods of assessing the EP management, the activities of collegial bodies and structural units, top management, the implementation of research projects.		+		
21.	15.	The HEI must demonstrate the order and protection of information, including the identification of persons responsible for the accuracy and timeliness of the analysis of information and the provision of data.		+		
22.	16.	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.	17.	The EP management must demonstrate the existence of a communication mechanism with students, employees and other interested bodies, as well as mechanisms for resolving conflicts.		+		
24.	18.	The HEI must demonstrate the existence of mechanisms for measuring the degree of satisfaction of the needs of teaching staff, personnel and students within the EP.		+		
25.	10.	The HEI should provide for an assessment of the effectiveness and efficiency of activities, including in the context of EP.		+		
		Information intended for collection and				

		analysis within the EP should take into account:				
26.	11.	key performance indicators;		+		
27.	12.	dynamics of the number of students in the context of forms and types;		+		
28.	13.	academic performance, student achievement and expulsion;		+		
29.	14.	satisfaction of students with the implementation of EP and the quality of education at the university;		+		
30.	15.	availability of educational resources and support systems for students.		+		
31.	16.	The HEI must confirm the implementation of the procedures for processing personal data of students, employees and teaching staff on the basis of their documentary consent.		+		
Total for the standard			**1**	**15**		
The standard "Development and approval of basic educational programs"						
32.	13.	The HEI should define and document procedures for the development of the EP and its approval at the institutional level.		+		
33.	14.	The EP management must ensure that the developed EP meets the established goals, including the expected learning outcomes.		+		
34.	15.	The EP management must ensure the availability of developed models of the EP graduate which describes the learning outcomes and personal qualities.		+		
35.	16.	The EP management must demonstrate the conduct of external assessment of the EP content and the planned results of its implementation.			+	
36.	17.	The qualification awarded upon completion of the EP must be clearly defined and correspond to a certain level of the NQF.		+		
37.	18.	The EP management must determine the influence of courses and professional internships on the formation of learning outcomes.		+		
38.	19.	An important factor is the ability to prepare students for professional certification.		+		
39.	20.	The EP management must provide evidence of participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality.			+	

40.	21.	The load of the EP should be clearly defined in Kazakhstani credits and ECTS.		+		
41.	22.	The EP management must ensure that the content of academic courses and the planned results are consistent with the level of education (bachelor's, master's, doctoral studies).		+		
42.	23.	The structure of the EP should provide for various types of activities to ensure that students achieve the planned learning outcomes.		+		
43.	24.	An important factor is the consistency of the content of the EP and the learning outcomes of the EP, implemented by organizations of higher and (or) postgraduate education in the EHEA.		+		
		Total for the standard		**10**	**2**	
		The standard "Continuous monitoring and periodic evaluation of basic educational programs"				
44.	10.	The HEI should determine the mechanisms for monitoring and periodic evaluation of the EP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at continuous improvement of the EP.		+		
		Monitoring and periodic evaluation of the EP should include:				
45.	11.	the content of the programs in terms of the latest achievements of science in a specific course to ensure the relevance of the taught course;		+		
46.	12.	changes in the needs of society and the professional environment;		+		
47.	13.	workload and performance of students;		+		
48.	14.	the effectiveness of student assessment procedures;		+		
49.	15.	expectations, needs and satisfaction of students with EP;		+		
50.	16.	educational environment and support services, and their relevance to the goals of the EP.		+		
51.	17.	The HEI, EP management must define a mechanism for informing all interested parties about any planned or taken actions in relation to the EP. All changes made to the EP must be published.		+		
52.	18.	The EP management should develop a mechanism for revising the content and structure of the EP, taking into account changes in the labor market, employers'			+	

		requirements and the social demand of society.				
		Total for the standard		**8**	**1**	
The standard "Student-centered learning, teaching and assessment of progress"						
53.	11.	The EP management must ensure respect and attention to various groups of students and their needs, provide them with flexible learning paths.		+		
54.	12.	The EP management should provide for the use of various forms and methods of teaching and learning.		+		
55.	13.	An important factor is the availability of conducted research in the field of methods for teaching the academic courses of the EP.		+		
56.	14.	The EP management must demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes.		+		
57.	15.	The EP management must demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
58.	16.	The EP management must demonstrate the existence of a procedure for responding to student complaints.		+		
59.	17.	The HEI must ensure consistency, transparency and objectivity of the learning outcome assessment mechanism for each EP, including appeal.		+		
60.	18.	The HEI must ensure that the procedures for assessing the learning outcomes of EP students are consistent with the planned results and objectives of the program. Criteria and methods of assessment within the EP must be published in advance.		+		
61.	19.	In the HEI, there must be mechanisms to ensure the acquisition of learning outcomes by each EP graduate and the completeness of their acquisition.		+		
62.	20.	The evaluators should be proficient in modern methods of assessing learning outcomes and regularly improve their qualifications in this area.		+		
		Total for the standard		**10**		
The standard "Students"						
63.	15.	The HEI must demonstrate the existence of a policy for the formation of the contingent of students in the context of EP from admission to graduation and ensure the		+		

		transparency of its procedures. The procedures governing the life cycle of students (from admission to graduation) must be defined, approved, and published.				
		The EP management should determine the procedure for the formation of the contingent of students based on:				
64.	16.	minimum requirements for applicants;		+		
65.	17.	maximum group size when conducting seminars, practical, laboratory and studio classes;		+		
66.	18.	forecasting the number of government grants;		+		
67.	19.	analysis of available material and technical, information resources, human resources;		+		
68.	20.	analysis of potential social conditions for students, incl. providing places in the hostel.		+		
69.	21.	The EP management must demonstrate its readiness to conduct special adaptation and support programs for newly admitted and foreign students.		+		
70.	22.	The HEI must demonstrate that its actions are in accordance with the Lisbon Recognition Convention.		+		
71.	23.	The HEI 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.		+		
72.	24.	The EP management must demonstrate 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.		+		
73.	25.	The HEI should provide an opportunity for external and internal mobility of students of the EP, as well as a willingness to assist them in obtaining external grants for training.		+		
74.	26.	The EP management must demonstrate its readiness to provide students with places for internship, to promote the employment of graduates, to keep in touch with them.		+		
75.	27.	The HEI should provide EP graduates with		+		

		documents confirming the acquired qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.				
76.	28.	An important factor is the availability of mechanisms for monitoring the employment and professional activities of EP graduates.		+		
		Total for the standard		**14**		
		The standard "Teaching staff"				
77.	10.	The HEI must have an objective and transparent personnel policy in the context of the EP, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff.		+		
78.	11.	The HEI must demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the PA and the specifics of the EP.		+		
79.	12.	The EP management must demonstrate awareness of responsibility for its employees and provide them with favorable working conditions.		+		
80.	13.	The EP management must demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.		+		
81.	14.	The HEI should determine the contribution of the teaching staff of the EP to the implementation of the HEI development strategy, and other strategic documents.		+		
82.	15.	The HEI should provide opportunities for career growth and professional development of the teaching staff of the EP.		+		
83.	16.	The EP management must demonstrate a willingness to involve in teaching practitioners from relevant industries.		+		
84.	17.	The HEI should demonstrate the motivation for the professional and personal development of EP teachers, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods.		+		
85.	18.	An important factor is the readiness to develop academic mobility within the EP, to attract the best foreign and domestic teachers.		+		

		Total for the standard		9		
		The standard "Educational resources and student support systems"				
86.	1.	The HEI must ensure a sufficient number of training resources and student support services that meet the goals of the EP.		+		
87.	2.	The HEI 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 EP (adults, working, foreign students, as well as students with disabilities).		+		
		The EP management must demonstrate the existence of procedures for supporting various groups of students, including informing and counseling. The EP management must demonstrate the compliance of information resources with the EP specifics, including:		+		
88.	3	technological support for students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
89.	4	library resources, including the fund of educational, methodological and scientific literature on general education, basic and major courses on paper and electronic media, periodicals, access to scientific databases;		+		
90.	5	examination of research results, graduation works, dissertations for plagiarism;		+		
91.	6	access to educational Internet resources;		+		
92.	7	functioning of WI-FI on the territory of the educational organization.		+		
93.	8	The HEI should strive to ensure that the educational equipment and software intended for use in the development of educational programs are similar to those used in the relevant industries.		+		
		Total for the standard		9		
		The standard 'Informing the public'				
		The HEI must publish reliable, objective, relevant information about the educational program and its specifics, including:				
94.	1	expected learning outcomes of the educational program being implemented;		+		
95.	2	qualification and (or) qualifications that will be awarded upon completion of the educational program;		+		
96.	3	approaches of teaching, learning, as well as		+		

№	№	Criteria				
		the system (procedures, methods and forms) of assessment;				
97.	4	information about necessary scores and learning opportunities provided to students;		+		
98.	5	information about the possibilities of employment of graduates.		+		
99.	6	The EP management should provide for a variety of ways to disseminate information, including the media, information networks to inform the general public and interested bodies.		+		
100.	7	Public awareness should include support and explanation of national development programs of the country and the system of higher and postgraduate education.		+		
101.	8	The HEI must demonstrate on the web resource the information that characterizes it in general and in the context of educational programs.		+		
102.	9	An important factor is the availability of adequate and objective information about the teaching staff of the EP.			+	
103.	10	An important factor is informing the public about cooperation and interaction with partners within the EP.		+		
		Total for the standard		**9**	**1**	
		Standards in the context of individual specialties				
		NATURAL SCIENCES				
		The educational program of the directions "Natural Sciences" such as *Digital media technologies and data visualization, Financial technologies* must meet the following requirements:				
104.	1.	The EP should include courses and activities aimed at obtaining practical experience and skills in the specialty in general and in the major courses in particular: 1. Excursions to enterprises for specialization 2. Conducting individual classes or entire courses at enterprises of specialization 3. Conducting seminars to solve practical problems relevant for enterprises in the field of specializations		+		
105.	2.	The faculty involved in the education program should include practitioners with long-term experience as full-time employees in enterprises in the field of specialization of the educational program		+		

106.	3.	The content of all EP courses should be based and include a clear relationship with the content of fundamental natural sciences		+		
107.	4.	EP management should provide for measures to enhance practical training in the field of specialization		+		
108.	5	EP management should provide for the training of students in the use of modern information technologies		+		
Total for the standard				**5**		
TOTAL			**5**	**92**	**11**	