«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING

REPORT
on the Results of the Work of an External Expert Commission for Assessing the Compliance of Educational Programs of "Astana IT University" LLP "IT Management", "Cybersecurity" (Cybersecurity), "Telecommunication" (Telecommunication Systems), "Digital Journalism" (Digital Journalism) (undergraduate)

Astana IT University

Site-Visit Dates: May 21 – 23, 2020

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

Addressed to
Accreditation
IAAR Council

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May 21 – 23, 2020

Nur-Sultan
May 23, 2020

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(I) LIST OF SYMBOLS AND ABBREVIATIONS

AC	Academic Calendar
AIS	Automatic Information System
DAA	Department of Academic Affairs
DET	Distance Education Technology
DP/DT	Diploma project/diploma thesis
FSC	Final state certification
FC	Final control
ICT	Information and communications technology
IT	Information Technology
ILP	Individual learning plan
CTE	Credit technology of education
CED	Catalogue of elective courses
MES	Ministry of Education and Science
RW	Research work
SRW	Student research work
DAC	Department of International Cooperation
QMD	Quality Management Department
RSTL	Republican Scientific-Technical Library
MT	Midterm
QMS	Quality Management System
SSS	Student Scientific Society
TMCD	Teaching and methodical complex of discipline
AC	Academic Council
ECTS	European Credit Transfer System
SPDES	State Programme for the Development of Education and Science

(II) INTRODUCTION

In accordance with the order dated 21.04.2020 № 31-20-OD of the Independent Accreditation and Rating Agency, 21-23 May 2020, an External expert committee assessed the compliance of Astana IT University LLP activities with the IAAR standards of initial institutional accreditation (approved on December 9, 2019, № 117-19-OD, first edition).

The report of the External expert commission (EEC) contains an assessment of Astana IT University LLP activity compliance within the framework of institutional accreditation with IAAR criteria, recommendations of EEC on further improvement of institutional profile parameters.

The members of the EEC:

1. Chairman of the IAAR Commission - Vladimir Kosov, d. ph-m sc., Professor, Kazakh National Pedagogical University named after Abai (Almaty);
2. IAAR expert - Gulnara Turtkarayeva, Candidate of Pedagogical Sciences, Associate Professor, State University named after S.Ualikhanov (Kokshetau);
3. IAAR expert - Ismailova Aisulu Abzhapparovna, PhD on information systems, Kazakh Agricultural University named after S. Seifullin (Nur-Sultan);
4. IAAR Expert - Baitenova Laura Maratovna, Doctor of Economic Sciences, professor, Narkhoz University (Almaty);
5. IAAR expert - Baklanov Alexander Evgenievich, Candidate of ph-m sc, professor, East Kazakhstan State Technical University named after D. Serikbayev (Ust-Kamenogorsk);
6. IAAR expert - Timur Saatdinovich Kartbayev, PhD, academician of MAIN, Almaty University of Power Engineering and Telecommunications (Almaty);
7. IAAR expert - Beysenkulov Ayazbi Akhbergenovich, can. of phil. sc., IT International University IITU (Almaty);
8. IAAR expert - Mehtiyev Ali Javanshirovich, Candidate of Technical Sciences, professor, Karaganda State Technical University (Karaganda);
9. Employer - Mikhail Rezov, Chief Specialist of Electronic Document Management System Support Department, National Information Technologies JSC (Nur-Sultan);
10. Student - Mauina Gulalem Myrzaliyevna, the 2nd course PhD student of EP "Information Systems", Kazakh Agrotechnical University named after S. Seifullin (Nur-Sultan);
11. Agency observer - Timur Kanapyanov, PhD, Head of IAAR International Projects and Public Relations (Nur-Sultan).

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

The university was founded in 2019 as part of the "Digital Kazakhstan" state program for the development of human capital in higher and postgraduate education. Educational activities are carried out on the basis of general license No. KZ26LAA00015835 dated April 12, 2019, issued by the Committee for Control in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan (http://stanait.edu.kz).

The University provides educational services of higher and postgraduate education in accordance with specific areas of training within higher and postgraduate education, classified and approved by the order of the Minister of Education and Science of the Republic of Kazakhstan dated October 13, 2018 No. 569 and State Compulsory Educational Standards 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.

The development of the University is determined by the Development Strategy of

Astana IT University LLP for 2020-2025 https://astanait.edu.kz/wp-content/uploads/2020/05/AITU-Strategy.pdf. Discussion of the first version of the Development Strategy was held at the Scientific Council meeting (SC minutes # 4 dated 28. 11. 2019) and recommended for approval by the General Meeting of the Partnership Members with the decision "to approve" (Minutes # 7 dated 26. 03. 2020).

The supreme governing body - the General Meeting of the Partnership Members. The exclusive competence of General Meeting includes amendment of the Charter of the Partnership, formation of the Partnership Board, election of Board Chairman, election of Rector of the Partnership, etc.

The Supervisory Board provides control over the Partnership activities and has the right to make decisions on any issues of the Partnership activities, except for the issues referred to the Law, constituent documents and the Charter, issues that fall within the exclusive competence of the General Meeting of Participants. The activity of the Supervisory Board is regulated by the Legislation, the Charter and the Supervisory Board Regulation. The Supervisory Board consists of 5 (five) persons: two representatives of the Public Fund "Nursultan Nazarbayev Education Fund", one representative of the Joint Stock Company "National Information communication Holding "Zerde" and two independent members.

Collegial executive body of the Partnership - Management Board carries out its activity in accordance with the Regulations approved by the General Meeting of Participants. The competence of the Board includes: making proposals to form the Partnership general organizational structure; creation of a collective operational and advisory body headed by the Rector - the Rectorate; approval of internal regulatory documents, the which list is determined by the General Meeting of the Participants; approval of price lists for educational and consulting paid services; the cost of short-term training courses, retraining and professional development, part- time wages, apartment rent, accommodation in dormitories and reimbursement of other costs, as well as the approval of the Partnership staffing, etc.

The collegial governing body of the Partnership's educational activities is the Scientific Council. The Regulations on the Scientific Council is approved by the General Meeting of the Members of the Partnership.

The Supervisory body of the Partnership - the Revision Commission of the Partnership is consists of Partnership Members or their representatives to provide control over Partnership financial and economic activities.

The Technological Council shall be formed under the guidance of the Head of the Ministry of Digital Development, Innovation and Aerospace Industry in order to provide practically oriented training, expert and technical assistance in providing dual training and scientific projects. The Technological Council is a consultative and advisory body.

The Technological Council includes the representatives of the Ministry of Digital Development, Innovation and Aerospace Industry of the Republic of Kazakhstan, Ministry of Industry and Infrastructure Development of the Republic of Kazakhstan, Ministry of Education and Science of the Republic of Kazakhstan, employers (Microsoft, CISCO, HP, Kazakhstan Internet Association), Rectors of universities (AITU, UIB, KBTU, AUES, IITU).

The distinction between the functions of corporate and collegial management bodies of the higher education institution is reflected in the corresponding internal regulatory documents: Regulations on the Supervisory Board of "Astana IT University" LLP; Regulations on the Scientific Council of "Astana IT University" LLP; Regulations on the Academic Senate of "Astana IT University" LLP; Regulations on the Scientific and Technical Council of "Astana IT University" LLP; Regulations on student self-government, etc.

(https://drive.google.com/drive/folders/1JnCVM1ktriUrk3ZdfoEcc-7YXIaUeFGl)

At present, the organizational structure of the university includes 22 structural

subdivisions and the Military department (http://astanait.edu.kz/about/). Functions and rights of structural subdivisions of the university are determined by the Regulations of corresponding subdivisions.

At present, the University provides training on 8 educational programs of Bachelor's degree in the context of 4 directions of training, included in the Register of educational programs of higher and postgraduate education. For 2020 - 2021 academic year students will be recruited under the new educational program "Digital journalism".

The total number of students is 605, including 558 on the educational grant, 11 on the IOI grant, and 36 on a paid basis. The number of students of Educational programs: IT Management - 69; Cyber Security - 97; Telecommunication Systems - 41; Media Technology - 37; Industrial Automation - 19; Computer Science - 70; Large Data Analysis - 92; Software Engineering - 180.

The total number of teaching staff for the academic year 2019-2020 is 44 people, including 36 full time staff, 2 doctors of sciences; 8 candidates of sciences; 8 PhD doctors; 18 masters. The percentage of teaching staff scientific degree is 50%.

The University employs graduates from the world's leading international universities: University of Southern California (USA), Boston University (USA), The University of Chicago (USA), University College London (UK), Imperial College London (UK), Robert Gordon University (UK), University of Humboldt (Berlin, Germany), University of Bristol (UK), The University of Sheffield (UK).

The form of organization of the academic period (theoretical study) is a 10 week trimester (there are three trimesters within each academic year, the total duration of the Bachelor's degree is 3 years).

During the whole period of study, students master 240 academic credits. The language of study is English.

Modular educational programs, academic calendar, curricula for training areas, schedule of academic classes for the current academic year have been developed and approved.

In order to organize the educational process, syllabi for all academic disciplines in English have been developed; electronic forms of educational process organization have been expanded, in particular, network communication within the framework of individual and group interaction; methodical materials and tasks are also sent online, Moodle and Platonus platforms are used. ICT is actively used at the lessons, multimedia materials developed by teachers are available in all courses, and there is good practice in using electronic resources in the learning process.

The University has modern Cisco, Huawei, Kaspersky specialized laboratories, 6 lecture rooms, 27 classrooms, 12 computer classes, 17 laboratories, a modern assembly hall with 450 seats, an electronic reading hall with 50 seats, sport hall and gym.

All classrooms are equipped with interactive projectors, computer equipment and audio-video systems.

There is a modern Media Centre with an innovative television and radiobroadcasting studio.

One of the criteria for the effectiveness of staff scientific work is the publication activity, especially in the highly rated journals included in the database (DB) Web of Science and Scopus: the number of publications over the past 5 years in the Web of Science database - 27, in the Scopus database - 41.

Currently, AITU plans to publish 1 scientific journal on IT-technologies, with subsequent inclusion in the international database of Web of Science Core Collection, Scopus, as well as to hold an annual international IEEE conference on trends in IT.

One of the goals is to attract young researchers to science. In 2020 – 2022 the University plans to have a Council of Young Scientists and Student Scientific Society, the

main goal of which is to promote the development of creative scientific activity of young researchers and students.

Scientific and technical laboratories occupy a special place in the indicators of research activity. There are plans to open three research laboratories in 2020-2022: the FabLab research laboratory, a sectoral ICT technology laboratory and a multimedia laboratory with VR/AR elements.

During the reporting period, international and domestic partners from both academic and the business environment have been identified. The University has signed six Memoranda of Understanding and Cooperation with international academic partners: Green River College, Auburn, USA; IGlobal University, Vienna, USA; University of Latvia, Riga; Dortmund University of Applied Sciences and Arts, Germany; Weihai Professional College, China; Eurasian Voyage Beijing International Centre for Economic and Cultural Exchange.

Today the University has signed Memoranda of Understanding and Cooperation with international IT vendors and companies: HP, ASBIS, 1C, Kaspersky Lab, Huawei, Lenovo, KPMG, Enterprise DB Corporation, Cisco, EPAM and Seedstars. Currently, issues are being worked out and negotiation processes are underway to conclude Memoranda and agreements on cooperation with international IT vendors and companies: Microsoft, Hewlett-Packard Enterprise, CyberBit Ltd, Certiport.

Cisco, Huawei, and Kaspersky partners have opened modern training laboratories at the University.

Astana IT University has developed an internal quality assurance system approved by the decision of the Scientific Council on December 26, 2019 and approved by the Founder on December 30, 2019. This system includes Internal Quality Assurance Policy and Standards. It reflects the general approaches, key principles and main mechanisms established in AITU for quality assurance and development of a culture of continuous quality improvement. The Policy is implemented through internal quality assurance processes and standards, which involve all parts of the university. The policies and standards have official status and are available to the general public on the university website https://astanait.edu.kz/wp-content/uploads/2020/05/sistema-vnutrennego-obespecheniya-kachestva.pdf.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Astana IT University LLP gets institutional accreditation in IAAR for the first time.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out according the Program of visit of the expert commission on institutional accreditation of "Astana IT University" LLP in the period from 21 to 23 May 2020.

For coordination of the EEC work, at the establishment meeting the responsibilities were distributed among the commission members, the schedule of the visit was specified, and an agreement was reached on the issues of expertise methods selection.

According to the standard requirements, the program of the visit covered meetings with the acting rector, vice-rectors, dean, program coordinators, and heads of structural divisions. Interviews and questionnaires with individual focus groups (teachers, students) were conducted online. 109 people took part in the meetings and interviews in total (Table 1).

Information about employees and trainees who took part in meetings with the NAAR EEC:

Category of participants	Quantity
Acting rector	1
Vice-Rector	3
Heads of structural units,	12
Dean	1
Programme Coordinators	3
Instructors	29
Students	60
Total	109

During the tour, members of the EEC were acquainted with University material and technical base, visited the offices of Apple, 1C, SAR, Oracle; Laboratories of CISCO Networking Academy, Huawei ICT Academy; sport hall, gym, assembly hall, media center, coworking centers and library.

In accordance with the accreditation procedure, 26 teachers and 56 teaching staff were surveyed.

In order to confirm the information provided in the self-assessment report by external experts, working documents of the university were requested and analyzed. In addition, the experts studied the university internet positioning through the official website https://astanait.edu.kz/.

For the work of EEC all conditions were created, access to all necessary information resources was provided. The presence of all persons, specified in the visit program and established time was provided.

Within the limits of the planned program the recommendations on improvement of "Astana IT University" LLP activity, developed by EEC in the results of observation, were presented at the meeting with University top - management on 23.05.2020.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. Standard "Management of the educational program"

Evidence part

At the university, the training of specialists in the educational programs “IT Management”, “Cybersecurity”, “Telecommunication Systems”, “Digital Journalism” (undergraduate) is carried out in accordance with the State License of the Ministry of Education and Science of the Republic of Kazakhstan No. KZ26LAA00015835 dated April 12, 2019 to engage in educational activities. The language of instruction is English.

There is a plan for the development of educational programs “IT Management”, “Cybersecurity”, “Telecommunication Systems”, “Digital Journalism” (undergraduate). The EP development plan is a document that defines the strategy and tactics of improvement on the basis of a planned, focused and effective EP goals implementation. The plan for the development of educational programs - https://astanait.edu.kz/wp-content/uploads/2020/05/ru-telecommunication-systems.pdf.

The educational program is developed in accordance with the National Qualifications Framework and professional standards, agreed with the Dublin Descriptors and the European Qualifications Framework, on the basis of the State Compulsory Standard approved by the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 (No. 604) and the Classification of Training Directions with Higher and Postgraduate Education (approved by the Order of the Minister of Education and Science of

the Republic of Kazakhstan dated October 13, 2018 No. 569).

The development plan and goals of the EP are developed in accordance with the educational policy of the Republic of Kazakhstan and the Academic policy of the university. The aim of the educational program is high-quality educational services that satisfy the needs of the state, interested persons and students. The circle of stakeholders includes all participants in the implementation of EP, as well as employers - large companies and enterprises whose profile corresponds to the training areas.

Educational activities in the framework of EP are implemented on the basis of plans for the development of educational programs for 2019-2022. (Minutes of the meeting of the AC No. 3 of November 19, 2019) and regulatory documents of the Republic of Kazakhstan (Law "On Education" (2007), Law "On Science" (2011), State Program for the Development of Education of the Republic of Kazakhstan for 2011-2020. and others.) Development Strategies AITU 2020 - 2025 and internal documents of AITU, the Development Plan of the EP is developed for 3 years and is aimed at meeting the needs of the state and interested parties. In order to improve and taking into account the needs of the state, as well as all interested parties, the plan is discussed at a meeting of the Academic Council with the participation of teaching staff of EP, students and employers. Representatives of leading IT companies ABY Applied Systems LLP, Inventive LLP, IT SPACE LLP, etc. are represented by employers.

The quality assurance policy is published on the university website - https://astanait.edu.kz/about/ and is conducted in accordance with the Internal Quality Assurance Policy, approved on 28.12.2019 at a meeting of the Academic Council. It reflects the general approaches, key principles and basic mechanisms established by AITU to ensure quality and develop a culture of continuous quality improvement.

AITU has an intra-university system for ensuring the quality of education, which is regulated by 10 approved standards. In addition to standards, the quality assurance system is supported by 44 internal regulatory documents. The system of internal quality assurance is based on ENQA recommendations, criteria for external evaluation of universities in the National system for assessing the quality of education. AITU's internal quality assurance policy reflects the relationship between research, teaching, training and takes into account both the national and the internal university context. To strengthen the link between education and research, the university encourages academic activities.

According to the mission and vision of the university, the goal of the accredited EP is to meet the needs of the republic for highly qualified media workers who have good IT specifications, have fundamental professional knowledge, modern innovative methods and the necessary competencies for the development and formation of the intellectual potential of the Republic of Kazakhstan.

The transparency of the accredited EP management system is ensured through the university’s official website, social media accounts, and feedback from the public and employers.

In general, the policy of ensuring the quality of the educational process at Astana IT University LLP (AITU) has a clear structured character and is understandable. There are mechanisms for their implementation, developed programs and work plans, activities.

During a visit to the university, as well as meetings with teaching staff and trainers, they could not be sure about organized seminars or internships in management. The development of academic mobility is limited to single official correspondence. While there are no approved agreements on cooperation and a detailed study of all issues.

An important factor is the presence of joint educational institutions with foreign educational organizations. During a visit to the university, we were able to make sure that there are correspondence of this nature. For example, with the University of British Columbia, Dortmund University of Applied Sciences and Arts, as well as the Higher School

of Economics (Russia) and the Taras Shevchenko National University (Kiev, Ukraine). All correspondence is at the initial stage and there is no data on harmonization of the accredited undergraduate degree program with universities of Kazakhstan and foreign universities.

The quality assurance policy of the educational process in Astana IT University LLP fully meets the criteria of the IAAR Standards. All regulatory documents are brought into compliance with the requirements in the field of higher education of the Republic of Kazakhstan and the Bologna process.

Analytical part

The Commission notes that:

The mission, the main goals, strategic directions of development, the University's quality assurance policy and the objectives of the AITU are fully developed, spelled out in documents and implemented in all areas of activity.

The documents presented as evidence base comply with IAAR standards.

The analysis of information on the implementation of the EP is carried out by considering these issues at meetings of the Academic Committee and the Scientific Council.

Documents are presented that the EP management organizes the participation of employers, teaching staff and students as part of the collective management bodies of the EP.

The process of developing a development plan (EP) involves not only the coordinator of one EP, but also the coordinators of other EPs, teaching staff, invited international Provost, Doctor of Engineering Sciences, Professor Carsten Wolff and students, members of youth organizations and student self-government. The major telecommunication companies of Astel JSC, Huawei (DPRK), Cisco (USA), National Instruments (USA), Keysight Technologies (USA), as well as leading IT companies of Kazakhstan: NS Lab, Inventive LLP, IT SPACE LLP, etc.participated as interested parties from employers and partners.

Developing educational program and analyzing its functioning, analysis and implementation of innovative proposals to improve the quality of study program is carried out. This is reflected in the modernization of the modular curriculum at all levels of training, the inclusion of new disciplines in the educational process related to the training of students in mechanical engineering and this serves as the basis for creating a unique EP and its coherence with the country's national development priorities and AITU development strategy.

The university provides transparency of the educational program management system. So, on the university's website, in the sections "About Us", "Rector's Page", "Teaching Staff", "Dean", information is provided about the leadership and structural divisions of the university (rector, vice-rector of the relevant areas, dean, coordinators of the EP). In the rector's blog https://astanait.edu.kz/rector-university/, questions can be asked directly.

The EEC notes that the university does not pay enough attention to the training of the EP leaders in the education management programs, among coordinators of the EP only Salykova L.N. has undergone advanced training in educational management, and joint / double-degree education, internal and external academic mobility of students, and teaching staff are insufficiently implemented.

The results of the external and internal audit of the EP are taken into account when operating the current EP by making changes to the educational process: modular curriculum, working curriculum, passport of EP and CED, as well as in the development of future EP.

Strengths / best practice in the IT Management, Cybersecurity,

Telecommunication Systems, Digital Journalism (undergraduate) courses:

- The quality assurance policy is posted on the university's website and reflects the link between research, teaching and learning.

- The development plan of the EP corresponds to the priorities of the implementation of the state program "Digital Kazakhstan" and the development of science.

- The EP development plan is considered on the Academic and Scientific Councils with the involvement of employers and takes into account the needs of society.

- The EP management ensures the availability and openness of the contact information of the EP leaders, which are posted on the university's website in the public domain and social networks of the IT Management, Cybersecurity, and Telecommunication Systems social networks.

The recommendations of the EEC on the EP "IT Management", "Cybersecurity", "Telecommunication Systems ", "Digital Journalism" (undergraduate):

- the center of competence and excellence of the university, together with the leaders of the EP, to develop a plan, a report on training under the educational management programs of the leaders of the EP. To consider the possibility of undergoing training by the management of the educational program management programs in the context of the educational program "Cybersecurity", "Digital Journalism", "Telecommunication Systems".

- the EP leaders together with the Department of Academic Affairs to develop a plan for the implementation of joint / double diploma education, as well as the EP leaders to expand cooperation with domestic and foreign universities on internal and external academic mobility.

The conclusions of the EEC on the criteria for the EP "IT Management, "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

EEC notes that according to the standard "Management of the educational program" 15 criteria are disclosed, 4 of which have a strong position, 10 - satisfactory, implies an improvement -1.

6.2. Standard "Information Management and Reporting"

Evidence part

General approaches, key principles and basic mechanisms established by Astana IT University for information and reporting management meet the requirements and are developing and improving along the way. The university has a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software. Between divisions and structures there is a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the units. The frequency, forms and methods of assessing the management of accredited EPs are established by regulatory documents within the university. It also defines the procedure for ensuring the protection of information, including determining who is responsible for the accuracy and timeliness of the analysis of information and the provision of data.

Students, employees and teaching staff are involved in the processes of collecting and analyzing information, as well as making decisions based on them. Communication channels have been developed with students, employees and other interested parties, including the availability of conflict resolution mechanisms. The university provides information management in the framework of the following information systems: the official website of the university: https://astanait.edu.kz; Automated educational process

management information system "Platonus" https://platonus.astanait.edu.kz, "Moodle" http://moodle.astanait.edu.kz. As part of the University's LMS (Learning Management System), learning management is implemented through the data platform Platonus, Moodle. These systems help maintain the awareness of all employees and students at the same level remotely.

The information on the EP's web page is brief, does not reflect information on the activities of EP management in terms of the development, updating and implementation of accredited EP

The mechanism of conflict management in a university includes: the adoption of the Code of Corporate Culture of teaching staff and employees of Asnata IT University LLP, the code of honor for students of Asnata IT University LLP, the Rules of Academic Honor of Astana IT University LLP, as well as the functioning of the Conciliation Commission for settlement of individual labor disputes.

During a visit to the university, meetings with teaching staff and students could not be sure of the documentary consent of students, employees and teaching staff to the processing of personal data. It will be necessary to put this issue in order within the framework of the legislation of the Republic of Kazakhstan, taking into account the best foreign practices.

Analytical part

The university has a well-developed information management policy and structure for the collection of information and reporting.

In order to identify the needs and opportunities for social support of students during the 2019-2020 academic year, surveys and questionnaires were conducted:

Questionnaire in order to determine the level of satisfaction with students of the provided services of the university cafeteria (minutes of the meeting of the Students Affairs Department No. 1 dated November 26, 2019);

Questionnaire "Teacher through the eyes of students" in order to identify students' opinions on the professional activities of teachers (minutes of the meeting of the Students Affairs Department No. 2 of December 24, 2019);

Anonymous questionnaire on anti-corruption at the university among students, in order to study the attitude to corruption and the formation of an anti-corruption culture of students and university professors (minutes of the meeting of the DLS No. 4 of February 25, 2020);

Anonymous questionnaire on anti-corruption among employees (minutes of the meeting of the Students Affairs Department No. 5 of March 26, 2020);

Questioning for students to identify the level of satisfaction with living in a dormitory (minutes of the meeting of the Students Affairs Department No. 5 of March 26, 2020);

A survey on the issues of social well-being and organization of students outside the classroom (minutes of the meeting of the Students Affairs Department No. 5 of March 26, 2020);

Questionnaire "Teacher through the eyes of students" in order to identify students' opinions on the professional activities of teachers, satisfaction with the content of the disciplines (minutes of the meeting of the Students Affairs Department No. 5 dated April 28, 2020, minutes of the meeting of the administration No. 18 dated May 11, 2020).

An analysis of the surveys showed that the overall level of student satisfaction with training at AITU increased from 4.3 points in December 2019 to 4.6 points in April 2020 on a five-point scale.

The use of information databases is carried out in all areas of the university; It is also noted the availability of information on the university website.

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- There is a mechanism for the EP development with a review of the results in collegial bodies indicating the frequency, form and methods of evaluating the EP management.

The recommendations of the EEC on the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- to develop a list of documents confirming personal consent to the processing of personal data of employees and teaching staff.

The conclusions of the EEC on the criteria for the EP "IT Management", "Cybersecurity", "Telecommunication Systems ", "Digital Journalism" (undergraduate):

The EEC notes that according to the standard "Information Management and Reporting" 16 criteria are disclosed, of which 1 have a strong position, 15 are satisfactory.

6.3. Standard "Development and approval of the educational program"

Evidence part

Accredited EPs are developed, agreed upon and approved in accordance with regulatory documents and are consistent with established goals, including intended learning outcomes. Information on educational programs is available on the official website of the university and in the Unified Management System for Higher Education (ESUVO), which indicates the EP goals and objectives, priorities and features. Models of graduates of the EP have been developed, which describe the learning outcomes and personal qualities. The qualification obtained upon completion of the EP is clearly defined and corresponds to the level of the NQF. An external examination of the EP was carried out.

Educational programs are developed in accordance with the National Qualifications Framework and professional standards, agreed with the Dublin Descriptors and the European Qualifications Framework, on the basis of the State Compulsory Standard approved by the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 (No. 604) and the Classification of Training Directions with Higher and Postgraduate Education (approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 13, 2018 No. 569).

EP "Digital Journalism" has differences from the classical journalistic education. It is unique in the practice of Kazakhstan and has a clearly expressed interdisciplinary nature, taking into account the development of modern media communication. Throughout the world, the media landscape is changing rapidly under the influence of digital technology. Media consumption, methods of obtaining information are changing, content delivery channels are evolving. EP "Digital Journalism" takes into account these features and trends in the development of the labor market.

The uniqueness of accredited educational programs is that the program is designed for 3 years of study. Accredited EPs of Astana IT University has a pronounced practical orientation and is closely integrated with computer information technologies, including web design, development, big data and the ability to create content based on data. This is not a profession of the future, but of the present. It takes into account the demand for media workers in the future, including IT project management, artificial intelligence, robots in the field of information policy, which meets the spirit and objectives of the state program "Digital Kazakhstan".

At the design stage of the EP, the coordinators of the programs determine the models of graduates. The graduate model of EP cluster 2 is a combination of knowledge, skills, and

experience of their application in practice, integrated into professional and universal competencies that graduates should have at the time of completion of the program. In developing the final competencies of cluster 2 EPs, the developed AITU graduate model and the opinions of employers were taken into account.

According to the EP "6B03201 - Digital Journalism" at Astana IT University, admission is planned only in 2020. But the university comes to the admissions with good preparation. All regulatory documents, acceptance conditions, deadlines for submitting applications and documents have been prepared and approved. The conditions for conducting creative exams, the nature and criteria for evaluating creative work are developed. We got acquainted with these documents while visiting the university and familiarizing ourselves with the work of the selection committee.

The Department of Marketing and Public Relations got acquainted with the work on the upcoming admissions. The university has created a database of 18 thousand applicants. The main emphasis is on graduates of Nazarbayev Intellectual Schools (NIS), Kazakh-Turkish lyceums and Daryn schools, because many subjects will be in English and the willingness of applicants to multilingualism is important. A plan and mechanism for sending information about the upcoming admission and creative exams, terms and other conditions have been developed. Information on the official website is supplemented by resources on popular social networks, such as Instagram, Facebook, VKontakte and others. Video clips, audio jingles, posters, booklets, flyers and much more have been specially developed for admissions companies.

Based on the planned admission of students, the conditions for hiring teaching staff and the announcement of the competition for vacant positions have been prepared. EP management assured that after recruiting teaching staff members, the Digital Journalism EP will be adjusted based on their opinions. And such clarifications are needed, because in some positions IT or technical disciplines prevail. For example, MEP has the following disciplines: Algebra and geometry, Discrete mathematics, Computer architecture and operating systems, Mathematical analysis 1, Mathematical analysis 2, Probability theory and mathematical statistics, Big data algorithms, Data Science tools, Big data processing and cloud services. There are recurring moments and a noticeable roll towards computer technology. A future journalist should have good command of the principles and algorithm of programming, know the capabilities of various programs and be able to work in a team, interact with professional programmers, designers, related specialties, and not replace them. It is important to know the basics of systems analysis and the study of discrete logic. Corrections must be made to the MEP.

The EP management determined the purpose of the educational program: "Training a specialist in the field of digital media, who has the skills to work with digital mobile technologies for collecting, processing and transmitting information, knows how to create multimedia content for media, and owns innovative journalistic practices that are in demand on the modern labor market. This is a unique journalism education program designed to provide professional experience and academic training to help students succeed as a journalist in any environment. " However, the content of the MEP does not fully reflect the achievement of this goal. Paragraph 2 of the tasks of the EP "6B03201 - Digital Journalism" states: "Application of knowledge in the field of IT technologies for the development of skills in working with computer programs and mobile applications". Of the 45 disciplines, 9 are purely in programming, 6 in mobile development, 7 in data processing. After mastering these disciplines, will journalists create content or switch to pure programming? EP management needs to clearly define the relationship between journalistic skills, competencies, and programming skills.

Some of the results of the training of the EP are too detailed and do not correspond to the goals and objectives of the training direction 6B032 Journalism and information. For

example, the learning outcomes of Learning outcome2 in ESUVO: apply practical programming skills and explain the general methodological foundations of program development, write system programs for device drivers, interface modules with non-standard equipment and program microcontrollers. The EP management assured that these comments have been taken into account and adjustments and clarifications of some controversial language have been prepared. In the near future, the final version of the document is to be approved.

Learning outcomes - LO1: Explain and understand the regulatory framework, including documents, standardization and certification procedures in the development of information and communication technologies. And according to ESUVO it is written in the field of information security. Also in LO7 ESUVO it is written: to apply domestic and foreign standards for information security in organizations. LO8 on the development of an enterprise's information security policy ... However, the list of disciplines does not contain the concept of information security. Although this is a pressing issue in journalism, issues of misrepresentation and media manipulation should be reflected in the curriculum.

Instead of these disciplines, the following could be introduced: computer video editing, digital video effects, web analytics programs, speech processing algorithms and artificial intelligence, how to write bots and others.

EP management is recommended to refine the content and sequence of basic and special disciplines; for these purposes, attract students, teaching staff and other stakeholders to the development of EP, thereby creating the basis for quality training. At least 60 percent of the basic disciplines should form the basic skills and competencies of the future journalist. Here you can also consider such disciplines as Web design, Digital photography, Design of print media, Motion design, Date journalism, Fundamentals of programming and development of a mobile application, Web analytics, CEO promotion and so on. And special elective disciplines can be combined into specific modules. For example, students may choose advanced programming or design, project management, web marketing, or video production. In other words, the student should have a clear understanding of the learning path, the sequence of courses from simple to complex, from elementary skills to complex and related interdisciplinary knowledge. The structure of EP should provide for various types of activities corresponding to the learning outcomes, clearly defining the impact of disciplines and professional practices on the formation of the quality of training.

In general, EP "6B03201 - Digital Journalism" was developed, agreed and approved in accordance with regulatory documents and meets established goals, including intended learning outcomes.

When developing an EP, work is organized to provide advice on developing an educational program with foreign specialists and employers: for example, outdated disciplines are excluded from the curriculum on the recommendation of employers and the inclusion of relevant disciplines. Expertise of the EP project is organized by foreign experts and representatives of the industry of the Republic of Kazakhstan, as well as representatives of universities of the Republic of Kazakhstan. When forming the MEP and the development plan for accredited EPs, internal and external peer review is carried out from the companies NS Lab LLP, Inventive LLP IT SPACE LLP, Astel JSC, etc.

The EP passport fully describes the competencies of the graduate in the educational program and reflects the influence of disciplines and professional practices on the formation of learning outcomes.

Graduates who complete training in a higher education curriculum and successfully pass the final certification are awarded a bachelor's degree and are assigned the appropriate qualifications. Upon completion, a diploma of higher education is issued, and a transcript in three languages with the results for each individual discipline.

Certified programs (after completing courses):

- introduction to web development → Yandex Certificate (Front-end development);
- project manager → KPMA certificate;
- Android 1 // iOS 1 // PL / SQL 1 // Python 1 → Oracle Pl / Sql Certificate;
- The following certification is awarded to Information and Communication Technology → Cisco Certificate of IT Security Essentials.

To implement distance learning technologies, we used the technical capabilities of the Moodle learning management system (http://moodle.astanait.edu.kz/), which is currently the main learning management system at the university. For information, the Moodle learning system is an open source educational management system software platform that is widely used throughout the world, including use by top universities in the world. For example, University College London, located in 8th place in the QS University Rankings 2020 rating, actively uses this platform on a daily basis to manage the process of effective communication between students in undergraduate, graduate, PhD and teaching staff (https: // moodle. ucl.ac.uk/).

In the EP cluster, the content of academic disciplines and learning outcomes corresponds to the level of undergraduate education, which is reflected in modular curricula, passports, CED, Working curricula, work programs and syllabuses, teaching materials.

The types of activities provided for in the educational process are given in modular curricula, in syllabuses and work programs of disciplines, in educational-methodical complexes of disciplines, in the plans of educational work.

Analytical part

The development plans for the cluster 2 EPs are fully developed, the development and audit procedure of the developed EP and the audit of the current EP are fully prescribed. Internal and external expertise of the EP are demonstrated.

The qualification obtained at the end of the EP mastering is determined on the basis of the requirements of professional standards, it complies with the State Compulsory Standard of Higher and Postgraduate Education, the National Qualifications Framework, and the Industry Qualifications Framework.

A model of an EP graduate is developed and the labor intensity of an EP in Kazakhstan credits and ECTS is clearly defined.

The passports of the EP and CED undergraduate level clearly reflect the competencies of graduates.

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- EP management developed and approved by the collegial body of the university models of EP graduates and posted on the university's web pages;
- in the contents of the accredited EP, the qualifications obtained upon completion of the EP are defined and explained;
- EP management provides for the possibility of passing professional certification as part of the Cybersecurity, Telecommunication Systems EPs.
- the complexity of accredited EPs is clearly defined in ECTS.
- the content of academic disciplines and learning outcomes correspond to the level of undergraduate education

The recommendations of the EEC on the EP «IT Management», «Telecommunication Systems», «Digital Journalism» (undergraduate):

- EP management to improve the work of involving stakeholders in the development

and quality assurance of «Digital Journalism», «Telecommunication Systems», «IT Management» EPs.

The conclusions of the EEC on the criteria for the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

EEC notes that according to the standard "Development and approval of EP" 12 criteria are disclosed, of which 6 have a strong position, 6 - satisfactory.

6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"

Evidence part

Evaluation of the quality of implementation of the EP is carried out within the framework of a general system for monitoring the quality of education, which consists of an assessment of the management of the EP (level of teaching staff, organization of the educational process, regular assessment of the level of program goals achievement, the demand for graduates); - Implementation of educational programs (curriculum, standard programs of disciplines, methodological and information support, infrastructure, educational technologies, research); - the results of the EP (current control, final certification). Evaluation mechanisms at the department are mutual attendance of teaching staff, monitoring by the Department of Academic Affairs, as well as sociological surveys of participants in the educational process, feedback from external practice leaders, as well as analysis of performance indicators, residual knowledge, and a report on the implementation of recommendations of the Higher Attestation Commission of the IAAR.

The university has the practice of monitoring and periodically assessing academic programs in accordance with regulatory documents, primarily in accordance with the Statute of the Academic Council. Since, according to the EP "6B03201 - Digital Journalism" there was no reception and training, there is no possibility for analysis and evaluation.

The quality control system successfully operates in accordance with the developed internal regulatory documents of the university, such as: Academic policy of Astana IT University LLP, Rules of academic honesty of Astana IT University LLP, Rules of organization of the educational process on credit technology of training Astana IT University LLP , Rules on the organization of educational and methodological activities of Astana IT University LLP, Regulations on the verification of written work for plagiarism of Astana IT University LLP, Rules on the organization and conduct of intermediate certification of students at Astana IT University LLP, Rules on the students assessment system of Astana IT University LLP (https://astanait.edu.kz/wp-content/uploads/2020/05/academ-politika.pdf).

The analysis of the study program shows that the content meets the requirements and objectives of the educational process, while developing the disciplines, the latest achievements of science and technology are taken into account in order to ensure the relevance of the courses studied. In a rapidly changing world and technological environment, in conditions of increasing competition, the needs of society and the demands of the professional environment are changing. Digital technology has become the core of scientific and technological progress. Therefore, EP management will need to attract all interested parties to improve the educational process.

In the preparation of journalists, the conditions for conducting practical classes and the availability of practice bases are important. Visiting Astana IT University Media Center and computer classes, they were convinced that there are all the possibilities for working on computer programs, for video filming and editing, for creating radio broadcasts and podcasts, the most complex digital content. We got acquainted with cooperation

agreements mainly by IT organizations. Bilateral agreements and memorandums have been concluded with such companies as Astana Innovations LLP, Huawei Technologies Kazakhstan LLP, Cisco Systems Netherlands Holdings B.V. LLP, Qazaq Cybersport Federation LLP and Academy Esports LLP, Cyberlabs LLP, Qaztech Ventures JSC, Seedstars Kazakhstan LLP, etc.

EP management has to expand the base of practices so that the places of professional practice are consistent with the goals and objectives of the implementation of the accredited EP. For example, it is recommended that a cooperation agreement be drawn up with the NurMedia media holding under the Nur Otan Party. Thus, you can cover the whole range of information and communication services. On TV channel "AstanaTV" television practitioners will be practicing, on radio "NS" and "Orda" radio journalists, in the print media "Aykyn", "Liter" and "Turkistan" writing journalists. It will be interesting to practice on information portals, as well as in the public relations service.

It is necessary to expand measures for cooperation with media structures of the capital, Nur-Sultan, where all the leading media organizations of Kazakhstan are concentrated. This will give a multiplier effect, including helping to improve the development of joint EPs, expand the base of practices. The university and the EP management must provide evidence of the participation of students, employers and other stakeholders in all stages of working with the EP from the first discussion of parameters to full implementation. All interested parties should be informed of any planned or taken actions in relation to the EP. All changes made to the EP should be published.

Thus, the EP management will be able to review the content and structure of the EP taking into account changes in the labor market, requirements of employers and the social request of the company.

The organization of the monitoring system of students' educational achievements is carried out by the Office of the Registrar and the dean, who report to the vice-rector for academic work of the university (Provost). The general policy for assessing students, including the timing of the assessment, assessment criteria, methods and forms of implementation, are reflected in the syllabuses of each discipline, a guidebook.

Informatization of the educational process is one of the priority areas of modernization of the university. Portals with authorized access function: the educational portal Moodle http://moodle.astanait.edu.kz/, personal accounts are given in the Platonus tracking system http://platonus.astanait.edu.kz/, an electronic library, all are represented in the registry programs, the university website operates https://astanait.edu.kz.

There are student support services at the university that are in line with the main goals of the program and strategic plans of the university, such as the adviser institute, the registrar's office, the technical support department, the digital transformation department, the international cooperation department, the students affairs department, etc.

Analytical part

The EEC confirms that the university constantly monitors, periodically evaluates and reviews educational programs to implement the educational process and works to create a favorable learning environment for students. Employers are not fully involved in the design, development and implementation process, as well as the revision of EP.

The university leadership has demonstrated its openness and accessibility for students, teaching staff, and employers: reception hours for personal issues are determined, meetings with the university leadership are held on a systematic basis.

The university has organized constant monitoring and periodic evaluation of all cluster EPs. The data of the educational process of students, the results of training in trimesters, academic years are collected and analyzed; the results of various practices. Questioning of students, teaching staff on various issues and criteria. Based on the results

of monitoring and questionnaires, changes are made to existing EPs, and new ones are developed. All documents on EP are available on the university website.

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- Astana IT University monitors the quality of education to identify the degree and completeness of the implementation of educational standards, the compliance of the operational goals of the university with the strategic requirements for a specialist in the labor market, the level of teachers to prepare a competitive specialist.

The recommendations of the EEC on the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- EP management to develop a mechanism for informing stakeholders about any planned or taken actions regarding the EP, in terms of discussing the EP, modernizing the EP, the development plan of the EP.
- EPs should take into account the needs of employers and the dynamics of the development of the labor market for EP Digital Journalism, IT Management.

The conclusions of the EEC on the criteria for the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

EEC notes that according to the standard "Continuous Monitoring and Periodic Evaluation of Educational Programs", 9 criteria are disclosed, 1 of which has a strong position, 6 is satisfactory, needs an improvement -2.

6.5. Standard "Student-centered Learning, Teaching, and Performance Assessment"

Evidence part

The approved Academic Policy of Astana IT University is a list of rules and procedures that are designed to enhance the efficiency of the organization of the educational process, ensure the quality of education, create favorable conditions for the personal development of students, and greater student-centered educational process. The university prepares bachelors in credit technology aimed at developing students' abilities for independence and self-education based on the choice of educational trajectory.

The educational process is determined by the interests of students and the competency characteristics of the graduate model. Developed training programs provide the opportunity for flexible educational paths. When forming an individual curriculum, the logical sequence of studying disciplines is observed and the presence of prerequisites is taken into account. Advisers provide advisory assistance to students in choosing trajectories.

To assess educational achievements of students, various forms of control and certification are provided - current monitoring of academic performance, intermediate and final certification of students, the frequency and duration of which is carried out in accordance with the curriculum, academic calendar and professional training programs developed on the basis of state general educational standards of higher education and approved by the university Academic council.

During the meeting with the teaching staff and students, they were convinced that the AITU has Students Affairs Department and a full-time psychologist, where students and teachers can turn for advice.

The principle of student-centered learning determines the differentiation of different types of classes, which are held in the form of lectures, seminars, practical and laboratory classes, independent work of the student with the teacher (IWST). In the framework of these types of classes, students receive training information, form practical skills, and help reduce difficulties in mastering the discipline. Much attention in the academic policy of the university is paid to the additional assistance of students who have the opportunity to receive regular consultations on the discipline as part of the IWST and summer semester classes.

University policy allows students to recover or transfer from one program to another, to study at another university under the academic mobility program. During a visit to the university, it was found out that 15 students were expelled of their own free will and transferred to other universities.

Analytical part

At the university, the student-centered approach is used at the base of the academic program, various forms and methods of teaching and learning are used, distance learning is developed, and personal development of educational subjects of the academic program is used.

Feedback with students on the quality of education and the effectiveness of teaching methods, including innovativeness in teaching methods, is carried out by studying the opinions of consumers of educational services - students. The study of students' opinions is carried out by means of a sociological survey, by the method of questioning "Teacher through the eyes of students." One of the criteria of the questionnaire is: "Student satisfaction with learning outcomes."

The student is given the opportunity to get acquainted with: the results of the weekly intermediate control, midterm control, final grades (admission to the examination session), exam results. Also, students have access to all kinds of information developed by the teaching staff: EP, CED, syllabuses, guidelines, manuals, lecture notes, etc.

The university is conducting systematic work to improve the qualifications of teaching staff.

Students regularly participate in the survey "Teacher through the eyes of students."

The university rector has his own blog on the AITU website, where all interested parties can ask questions. The AITU website contains information on departments, centers, contact details of the institute's management (https://astanait.edu.kz/other-departments/) and dean (https://astanait.edu.kz/deans-office/). The coordinator has open access for visitors, during which all interested parties can contact with questions.

The formation of educational trajectories of students is organized in accordance with the procedure "Planning of the educational process." For the convenience of choosing an individual trajectory, for students in the Moodle learning management system (http://moodle.astanait.edu.kz/) an option is created to select disciplines from elective component, after which each student automatically generates an individual curriculum in the Platonus system (http : //platonus.astanait.edu.kz/), which is further signed by the student, his adviser (adviser on academic issues), the office registrar and approved by the dean of the teaching staff and the director of the Department of Academic Affairs.

Based on the results of the selection of disciplines in the system http://moodle.astanait.edu.kz/, an individual curriculum is formed, signed by the student, adviser, program coordinator and approved by the dean.

EEC, notes that during a visit to the university it was difficult to evaluate the methodology of teaching interdisciplinary subjects. The world is changing, changes over the past few decades are delightful, but at the same time they make us worry. With the invention of all these new things, many new problems arise that people have never

encountered before. Every day new types of work and even entire professional fields appear, that is why they should think about whether their knowledge and skills meet the demands of the time. Knowledge will help you come up with your own idea, but real work will turn this idea into reality. If we say that the main goal of traditional education is to teach knowledge and use this knowledge to think and create, then the STEAM approach teaches to combine acquired knowledge with real skills. Especially where technical and humanitarian education are intertwined. Teachers should be proficient in modern methods of assessing learning outcomes and regularly improve their qualifications in this area. Therefore, it is recommended to conduct your own research in the field of teaching special disciplines within the framework of EP, as well as organize advanced training courses for teaching staff in pedagogy of higher education and teaching methods of interdisciplinary disciplines.

Strengths / Best Practices in the EP "Cybersecurity",, "Telecommunication Systems":

- in the contents of the EP "Cybersecurity", "Telecommunication Systems" various trajectories are considered.

The recommendations of the EEC on the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- It is recommended to conduct own research in the field of teaching methods of special (technical) disciplines within the framework of EP.
- to organize regular training courses for teachers in higher education pedagogy and teaching methods of technical disciplines.

The conclusions of the EEC on the criteria for the EP "IT Management, "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

EEC notes that according to the standard "Student-centered learning, teaching and assessment of performance" 10 criteria are disclosed, 1 of which has a strong position, 9 is satisfactory.

6.6. Standard "Students"

Evidence part

The university has a model for the formation of the contingent of students, based on the principle of electivity by applicants and students of the specialty and educational program. According to the EP "6B03201 - Digital Journalism", the admissions is planned from 2020 and all preparatory activities have been carried out.

Admissions and admission to training takes place in accordance with the Model Rules for admission to training in educational institutions that implement educational programs of higher and postgraduate education, approved by order of the Minister of Education and Science of the Republic of Kazakhstan. The university adheres to international standards in the system of higher education. The recognition of qualifications acquired in other Kazakhstan or foreign educational institutions is carried out in accordance with the Documented Procedures of the Department of International Cooperation and the developed Regulation on Academic Mobility.

At present, the total contingent is 605 students, including 558 on educational grants, 11 on local executive bodies' grants, and 36 for self-paid.

According to the results of the admissions in 2019, students with high achievements, such as winners of international and republican Olympiads, in most cases received educational grants. Among them, 54 - winners of national and

international competitions, 176 - Altyn Belgi holders and certificates with honors. In addition, the University has provided 8 internal grants for the winners of the Olympiads and with high scores for international SAT exams.

The management of students 'personal files, the receipt of applications from students, the execution and registration of orders at all levels of education, the provision of public services to students, the issuance of strict reporting documents, personal and static records of all categories of students in accordance with established forms are carried out in the Registrar's Office. The entire contingent of students and information on the movement of students during the school year are entered and processed in AIS "Platonus".

The movement of the contingent is reflected in the monthly reports within the university and in the 3-NK statistical form approved by the Agency for Statistics of the Republic of Kazakhstan, as well as in the daily report of the ESUVO (Unified Management System for Higher Education) of the Ministry of Education and Science of the Republic of Kazakhstan.

Professional practice monitoring is planned to be carried out by the EP coordinator and the practice leader. The results of practices, recommendations and suggestions are considered at a meeting of the EP and are reflected in reports on the organization, conduct and results of all types of student practices. Based on the results of practice, on an analysis of the proposals of the EP, recommendations are developed to improve the organization of practice. Based on the analysis of the report of the head of practice on the organization, conduct and results of all types of practices, proposals and recommendations for improving practice at the university level are developed. Issues related to the organization, planning, effectiveness, improving the quality level of practices are reflected in the meetings of the University Educational and Methodological Council.

Satisfaction monitoring based on the results of the practice will be carried out in the form of an analysis of student reporting documentation, reports of methodologists and practice leaders, minutes of final meetings of methodologists, letters of thanks from practice bases, requests from organizations and schools, visits to practice bases by the head of the university's professional practice.

For university students, a large number of events, seminars and master classes are organized by the Department of Marketing and Public Relations, the Department of Science and Innovation, as well as the dean's office and the coordinators of educational programs, in order to provide potential employment places. Thus, in the period from September 2019 to February 2020, the following events were held within the university:

- The twelfth JKUG Meetup, which brought together top Java programmers from Almaty, Astana, as well as guests from Russia and Ukraine. In particular, Vitaly Ivanov shared his experience on how to prepare a JAVA programmer and explained why courses are needed for them. Vladimir Plizga talked about Spring Boot updates. Everyone listened with great interest to the speaker from Kiev Oleg Dokuk, who shared knowledge of reactive programming. Also at the event, Daria Abramova introduced the young city of Innopolis, in which there are 99 IT companies and where only specialists from this field live;

- The day of coderetreat from EPAM is a development of skills in effective coding and programming in pairs (two people in a team). This event was held all day by experienced developers and analysts of EPAM (a major Belarusian software developer) for developers of all levels;

- A meeting with the regional manager of Bolt in Kazakhstan, Aray Bekembayev, who will share the experience of launching an international company in Kazakhstan, the specifics of startups and their insights. For information, Bolt is an international company

that originated in Estonia. Currently operates in 30 countries and has 25 million users. The company is valued at $ 1 billion. In September 2019, it was launched in Kazakhstan;

- HUAWEI ICT 2019-2020, an innovation contest in which university representatives participated. Workshops on the use of advanced technologies such as IoT, Big Data and artificial intelligence in real situations were provided for participants in the competition.

Analytical part

In planning the bases of practice, the effect of contracts is taken into account, especially with the departments of education and production sectors, banks, committees, enterprises of various forms of ownership, large organizations and international IT vendors and companies such as QazTech Ventures JSC, HR Global Trading B. V., Kolesa LLP, Huawei Technology Kazakhstan, Redprice LLP, Senim Group of Companies LLP, Astel LLP, Zerde Holding AO, Astana Hub, Business & Technology Services LLP, LLP "Research & Development Center" Kazakhstan Engineering ".

Mechanisms for monitoring the employment and professional activities of graduates of accredited EPs will be activated for the period of graduation of students of EP in 2022.

During meetings with students and teaching staff, it was found out that creative circles, clubs and other communities are poorly involved and not fully formed. The EP management needs to implement a set of measures to stimulate students to self-education and development outside the EP by creating circles / sections / laboratories in areas and develop a support system for gifted students.

EP management has to expand the base of practices so that professional practice areas correspond to the goals and objectives of implementing the accredited Digital Journalism EP.

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- The EP management demonstrated the existence of a policy for the formation of the contingent of students in the context of EP from admission to graduation. EP management ensures transparency of all its procedures. All procedures from receipt to completion are defined, approved and published.
- The site has information for applicants on the minimum requirements
- There is a forecast of the number of state grants;
- provision of students with a dormitory.

The recommendations of the EEC on the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- to implement a set of measures to stimulate students to self-education and development outside the EP by creating circles / sections / laboratories in areas;
- to develop a support system for gifted students and document the procedure in the context of EP;
- EP management to provide students with a base of practice, taking into account the specifics of the EP "Digital Journalism" from media structures.

The conclusions of the EEC on the criteria for the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

EEC notes that according to the standard "Students" 14 criteria are disclosed, 4 of which have a strong position, 10 - satisfactory.

6.7. Standard "Teaching staff"

Evidence part

The personnel policy of Astana IT University is focused on effective personnel support for the implementation of the university's strategy with a strong corporate culture, which provides for the unified approaches to working with staff within the framework of best corporate practice throughout the university.

EP management plans to engage in teaching practitioners on a competitive basis, including young teachers.

The conformity of teaching staff with qualification requirements is confirmed by the availability of diplomas of basic education, academic degree, academic rank, copies of certificates confirming advanced training, a list of scientific works and inventions.

The total staff of the teaching staff for the 2019-2020 academic year is 44 people, of which 36 full staff. Academic degree holders' rate is 50%.

Teachers of Astana IT University actively use information and communication technologies in the educational process. In the forum of the distance learning management system moodle.astanait.edu.kz, different types of on-line classes are used for students using distance learning elements. The transition to student-centered learning involves changing the role of the teacher, as a controller of knowledge, to the functions of a facilitator, supporter and consultant. The teaching staff has full knowledge, owns a modern methodology for teaching basic and specialized disciplines, as well as the necessary competencies for the training of qualified personnel.

A timetable for staff development has been drawn up, according to which teaching staff and staff improve their skills. Further training of scientific and pedagogical personnel of the University is carried out in educational institutions of the system of advanced training and professional retraining of personnel of the Republic of Kazakhstan, in leading domestic and foreign higher educational and scientific institutions through training, internships, participation in international seminars, scientific and practical conferences, as well as the use of other types and forms of professional development.

The teaching staff of the accredited EP is actively involved in the research and innovation activities of the university. The policy in the field of intellectual property, aimed at the development of scientific, educational and innovative activities, is being successfully implemented. University teachers participate in the competition and become the owner of the state grant of the Ministry of Education and Science of the Republic of Kazakhstan "The Best University Teacher": in 2019, he became associate professor Amirgaliyev Beibut Edilkhanovich.

AITU teaching staff and university students take part in scientific domestic and foreign conferences, meetings, forums. For example, associate professor of the educational program "Telecommunication Systems" Amirgaliyev B.Ye. took part in the IV international scientific-practical conference "Informatics and Applied Mathematics" dedicated to the 70th anniversary of professors T. N. Biyarov, Valdemar Vuytsik and the 60th anniversary of professor Ye. N. Amirgaliyev, which was held on September 25-29, 2019 in Almaty, Kazakhstan with a report on the theme "On the development of a database of handwritten symbols of the Kazakh language." Also, associate professor of the educational program "Mathematics" Ismailov N.A. participated in the Plenary talk at the II International workshop on Non-associative algebras, held from April 30 to May 3, 2019 in Porto, Portugal with a report on the topic "Embeddable algebras into Zinbiel algebras via commutators".

Teachers and employees of the university take an active part in the life of society, in the development of culture and science of the city, and region. The main forms of such participation include: the participation of teaching staff in regional and republican

commissions in various fields of education, industry and the economy; providing advice to organizations and industries; organization and management of public associations; organization and participation in sports and recreational activities of various sizes; coverage of the university in the media of the region and republic; participation in scientific research at the regional, republican levels; cultural and educational work of creative teams of the university.

Analytical part

The members of the EEC note the sufficient work of the university in attracting and professional development of young teachers. The Commission has established a high level of competence of teaching staff, the application of innovative methods and forms of training. The activity of the use of information and communication technologies in the educational process is also noted.

The teaching staff demonstrated the skills of using innovative teaching methods: computer programs for modeling technical systems and calculating statistical characteristics.

An increase in the share of foreign professors among teaching staff members is provided for in the university's strategy, but is at the initial stages of implementation. Therefore, it is recommended to provide for the participation of leading foreign and domestic teachers to work in the framework of accredited EPs on a competitive and contractual basis.

Strengths / best practice in the IT Management IT, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- Based on the development strategy, the university has a transparent personnel practice, the task of which is to increase the efficiency of personnel management by creating a human resources management system aimed at ensuring leadership in a competitive environment based on qualitative and quantitative personnel indicators. Personnel policy is aimed at professional growth and development of teaching staff. Personnel policy ensures the growth of professional competence of the entire teaching staff.

- The correspondence of the staff potential of the teaching staff with the development strategy of the university and the specifics of the academic staff has been demonstrated, all the teaching staff have sufficient qualifications.

- The EP management has demonstrated a high level of responsibility for its teaching staff and fully ensures favorable working conditions for them.

The recommendations of the EEC on the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- to provide for the participation of leading foreign and domestic teachers to work in the EP on a competitive and contractual basis.

The conclusions of the EEC on the criteria for the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

EEC notes that according to the standard "Teaching staff" 9 criteria are disclosed, 3 of which have a strong position, 6 - satisfactory.

6.8. Standard "Educational Resources and Student Support Systems"

Evidence part

The University ensures the availability of sufficient, affordable and appropriate educational objectives for educational resources and student support services. In the distribution, planning and provision of educational resources, the university takes into account the needs of various groups of students.

The infrastructure of Astana IT University is a single educational and scientific complex.

The university infrastructure includes 1 academic building, 2 dormitories for students and 2 houses for teaching staff and staff. The total area of the educational building is 37.6 thousand square meters, including useful - 21.2 thousand square meters, of which the educational - 18 thousand square meters. University dormitories are designed for 350 beds: in dormitory No. 1 - 150 beds and dormitories No. 2 - 200 beds.

The university has modern educational laboratories Cisco, Huawei, Kaspersky, 6 lecture halls, 27 classrooms, 12 computer labs, 17 laboratories, a modern assembly hall with 450 seats, an electronic reading room with 50 seats, a sports and fitness room.

All classrooms are equipped with interactive projectors, computer equipment and audio-video systems.

During a visit to the university, they were convinced that there is a unique Media Center with an innovative television and broadcasting studio, which may serve as a good base for training future journalists. The television unit consists of a 3-chamber filming equipment with all communications, lighting and sound recording equipment. There is a teleprompter, monitors of various classes. In the studios there are several sites for filming: a large LED screen, as well as for filming with a chrome, there is a zone with a green background. All this allows you to go live, record television broadcasts, online lessons, TED lectures, and organize small talk shows with an interactive audience.

The equipment of the radio studio also meets all the requirements, where you can go live on the air, organize podcasts, conduct interviews or talk with the guest. At first glance, all the nuances and needs for a full broadcast practice are provided.

Laboratory equipment of EP 6B03201 Digital Journalism is supported by computer classes with HDMI output, Set-top Box form factor and specialized programs necessary for creating multimedia products. The media center is equipped with specialized equipment My Key Pro Transformer Chromakey, transmitting cameras, Blackmagic Production Camera 4K, camera, mixing console.

The university has a health center equipped with modern equipment and staffed by leading medical specialists, there is a student canteen for 250 seats.

The university has a corporate computer network. It includes all departments, services and training units, work is underway to develop electronic document management. The university has 250 Wi-Fi points with free internet access.

The total number of computers at the university is 529 units. The university has a sports hall, a coworking area for students' leisure, a health center equipped with modern equipment and staffed by leading medical specialists, there is a student canteen for 250 seats.

All students are provided with access to the book fund of the library, including educational, methodological and scientific literature in Kazakh, Russian and English, as well as foreign and domestic periodicals. Information support of the library is carried out as part of the "Scientific Library" section of the official website of the university http://new.astanait.edu.kz/science-and-innovation/.

As part of the development of digitalization, the University has installed IP telephony with a virtual telephone exchange. To date, 120 IP telephones are on the balance sheet of

the university.

In general, the university introduced the following for the educational environment at the modern level:

- reading room with 250 seats and 68 computers;
- specialized laboratories 5 units per 100 places;
- practical auditoriums 50 units per 1000 seats;
- lecture halls of 8 units for 500 seats;
- classrooms 21 units for 420 seats and computers;
- a media studio center for editing, processing and recording video of classes, the development of electronic materials;
- gym;
- coworking area for students' leisure;
- Small office premises of 70 units equipped with computers for the teaching staff and administrative staff.

The auditoriums are multimedia, on the basis of 5 of which a web-conference system has been created and there is a technical opportunity, if necessary, to quickly create a web-conference system in the classrooms of the University.

All students are provided with access to the book fund of the library, including educational, methodological and scientific literature in Kazakh, Russian and English, as well as foreign and domestic periodicals. Information support of the library is carried out as part of the "Scientific Library" section of the official website of the university https://astanait.edu.kz/library/.

In the reading room of the library, comfortable conditions were created for the work of readers of various categories: 66 computers with Internet access were installed, a WI-FI zone was opened, which provides the ability to access Internet resources. Work with laptops, educational CDs and DVDs is provided.

The Ministry of Education included Astana IT University in the list of participants in the national subscription to foreign databases for the 2019/2020 academic year, namely SCOPUS, ScienceDirect, SPRINGER and THOMSON REUTERS.

Analytical part

Experts note the high level of material and technical base, resources and infrastructure of the university to ensure the quality of training of students and support systems, including the competence of the personnel involved. For the EP under consideration, there are a sufficient number of classrooms equipped with modern technical teaching aids, including educational and scientific laboratories. The Commission notes the sufficiency of the created learning environment conditions, reflecting the specifics of educational programs in terms of interactive resources with access to the Astana IT University website from remote computers.

The EP uses the automated information system for managing the educational process - AIS "Platonus", the student body is formed with the help of "Platonus" according to the EP, by forms of training, by group and monthly reflected in the movement of the student body. Information on teaching materials, teaching aids, presentation material in the context of EP.

The EPs in cluster 2 has created the necessary and comprehensive safety conditions for students and teaching staff in educational buildings and dormitories.

However, it is worth noting the need to expand the various procedures for supporting students, the full satisfaction of students through counseling and informing about current and upcoming courses and events.

According to the EP “Digital Journalism”, the scientific library has 864 copies of 35 titles of educational literature, of which 19 are books in the state language. There are 18

CD titles on the profile of journalism. This is clearly not enough, and the management of all EP needs to expand the book fund in the context of EP.

According to journalism, there are huge media resources in the world, including from open sources. It is necessary to build a system of access to scientific and educational databases, to subscribe to periodicals, including scientific journals.

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- Infrastructure of Astana IT University University is a unified educational and scientific complex, where material and technical resources are adequate, information resources meet the specifics of the study program, and there is technological support for students and teaching staff.
- Access to educational Internet resources.
- WI-FI functioning in the territory of the educational organization.

The recommendations of the EEC on the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- In order to expand the library fund on paper and electronic media in the context of educational programs, the head of the scientific library, together with the heads of the EP, prepare, approve a plan for the purchase of educational literature and periodicals;
- to expand access to international databases of electronic information and educational resources at the EP "Digital Journalism".

The conclusions of the EEC on the criteria for the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

EEC notes that according to the standard "Educational resources and student support systems" 8 criteria are disclosed, 4 of which have a strong position, 3 are satisfactory, needs an improvement -1.

6.9. Public Awareness Standard

Evidence part

On the site in the tabs of the public school https://astanait.edu.kz/telecommunication-systems/ information about the educational programs of the university is reflected. When you go to the profession you are interested in, you can familiarize yourself with such criteria as the scope, objects, type and content of professional activity. On each page of the selected educational program, the learning outcomes are described in detail, in particular, the list of competencies, depending on the orientation of the educational program and the educational program as a whole.

Information on the possibility of qualification upon completion of studies is indicated individually on each page of the educational program.

General information on teaching, training, assessment procedures is presented in Kazakh and Russian in the "Policy and standards of internal quality assurance." You can access this document in the tab of the main menu "Management", or by clicking on the link https://astanait.edu.kz/about/

Detailed information on the educational process and assessment procedures is also located in the University Regulatory Register.

Up-to-date information on passing grades and training opportunities is located in the "Academics" main menu item. Information of interest is divided into categories of educational programs, which has links to additional information, and is also presented in

its entirety in the “Applicants” section.

Coverage of large independent and / or joint (government bodies, universities and other educational organizations) events is carried out. Twice a month, the public is introduced to the students and their achievements, as well as the university’s student life, in the news on the university’s website and social networks.

The University provides public information about its activities through the official website https://astanait.edu.kz/, official pages on social networks Facebook and Instagram, national and regional media and information resources of partner organizations. The main partners of the university in implementing information policy are: Nursultan Nazarbayev Educational Foundation, QAZEXPOCONGRESS, Zerde National Infocommunication Holding JSC, as well as social networks of partners with whom a memorandum of cooperation was concluded.

The university website is hosted on a separate server. The site includes three main components - a content management system (CMS), content and information systems operating within the site. It should be noted that the management system allows you to design and develop a site taking into account the characteristics of the structure and activities of the university.

The main principle of structuring information on a site is orientation to certain groups of users. The site created clusters for students, staff, parents, partners. A list of important documents with a link to a pdf file and useful links from various main sections of the site is presented. For example, links to educational software Platonus and Moodle, contact hotlines for complaints or emergency communications, various application forms, information brochures (on employment, campus, courses, etc.). Information in clusters is collected for each target audience from other main sections.

AITU successfully supports the following information systems to support educational programs:

- The official website of the university https://astanait.edu.kz as a result of the integration of information systems of the university;
- Automated educational process management information system “Platonus”;
- additional platforms for educational activities (Edmodo, Moodle);
- The University’s electronic library, the content of which contains teaching materials for all disciplines and educational programs https://astanait.edu.kz/library/;
- information systems and resources of the library complex (the site of the scientific library, the resource of abstracts of master's theses, access to the republican inter-university electronic library).

Students actively use the Moodle electronic platform for self-assessment of knowledge, where they can monitor their progress and grades. On the Moodle portal, students can also download the necessary literature, which teachers send by link.

The University intends to publish on the website audited financial statements based on the results of an external audit according to the results of 2020.

Analytical part

The university has a sufficient number of sources to inform the public about its activities. At the same time, experts note that the information posted on the site is updated regularly. Audited financial statements are not published.

Feedback on the site is implemented in the form of a rector’s blog.

Since May 15, the University has a Call Center for work with applicants. In a short time there were 190 appeals of various kinds. There is also information about 18 thousand applicants, their email addresses, phone numbers, etc. On May 25, online registration of applicants in the Platonus system opens.

The university has not deployed extensively on the web resource information in the

context of the educational program "6B03201 - Digital Journalism". All information is limited to one page in three languages. Interested parties, in particular applicants and their parents, may have difficulty finding detailed information. It is necessary to work out the flow of information to the main web resource of the university in accordance with the standards of specialized accreditation of the IAAR. There is noticeable activity in updating information on the site, at the same time, information is not reflected identical in all languages.

The members of the EEC familiarized themselves with the documents on accreditation of EP in the Kazakhstan Association of Engineering Education KAZSEE, however this information was not in the self-report and on the official website of the university. The university should post information and links to external resources based on the results of external evaluation procedures.

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- The university's information policy is aimed at: ensuring a stable information flow of news about significant events and achievements in the media; attracting the interest of potential consumers in new programs and innovative developments of university scientists; support and clarification of national development programs of the country.

The recommendations of the EEC on the EP "IT Management", "Cybersecurity", "Telecommunication Systems"), "Digital Journalism" (undergraduate):

- To the Department of Marketing and Public Relations, together with the EP management on a periodic basis to post on the website up-to-date information identical in all languages, to post information and links to web pages of external resources based on the results of an external evaluation.

The conclusions of the EEC on the criteria for the EP "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

The EEC notes that according to the "Public awareness" standard, 10 criteria are disclosed, 3 of which have a strong position, 7 are satisfactory.

6.10. Standard "Standards in the context of individual specialties"

SOCIAL SCIENCES, HUMAN SCIENCES, ECONOMY, BUSINESS AND LAW, SERVICES

Evidence part

As part of the implementation of the state program Digital Kazakhstan AITU, a special role is given to the educational programs Digital Journalism and IT management.

Teaching within the framework of the EP is planned to be conducted on the basis of the most relevant and comprehensive achievements of world science and practice in the field of specialization, as well as using the most modern and advanced teaching technologies, as well as taking into account a comprehensive approach to studying the most relevant and comprehensive achievements of world science and practice in IT, especially in the preparation of practical training material for the formation of IT competencies in the field of direction.

To realize the mission of the university, all conditions are created and there are sufficient resources. When implementing EP, the principle of the unity of the educational and scientific process is observed - the implementation of scientific research on production bases. Orientation of the educational process to the training of specialists for the branches

of science and industry, which are of priority importance for the development of the republic and the region.

As world experience in journalism education shows, the best journalist is a practicing specialist. Continuing education, training and self-education is a tendency of the present and the future. Therefore, it is necessary to envisage a set of measures to develop journalistic practices, create clubs and interest groups, including virtual communities, and actively use all media resources of motivation and personal development.

Analytical part

To realize the mission of the university, all conditions are created and there are sufficient resources. When implementing EP, the principle of the unity of the educational and scientific process is observed - the implementation of scientific research on production bases. Orientation of the educational process to the training of specialists for the branches of science and industry, which are of priority importance for the development of the republic and the region.

Strengths / best practice in the EP "IT Management", "Digital Journalism (undergraduate):

- The interdisciplinary nature of EP meets the needs of the current time when the labor market is rapidly changing.

The recommendations of the EEC on the EP "IT Management", "Digital Journalism" (undergraduate):

- It is necessary to pay special attention to the practice-oriented orientation of the EP, focusing on cooperation with media structures within the country, as well as to provide for the harmonization of the educational cycle with leading foreign universities.

The conclusions of the EEC on the criteria for the EP "IT Management", "Digital Journalism" (undergraduate):

The EEC notes that according to the "Standards in the context of individual specialties" 4 criteria are disclosed, 4 of which have a satisfactory position.

TECHNICAL SCIENCES AND TECHNOLOGIES

Evidence part

In order to obtain relevant, up-to-date knowledge in the field of IT and taking into account the tasks of developing the national education system, the industrial development of the region, the competitiveness of the university and the existing distinctive features of AITU, a special role is given to the educational programs Cybersecurity and Telecommunication Systems as part of the implementation of the state program Digital Kazakhstan.

The results of EP development are determined by the competencies acquired by the graduate, i.e. his ability to apply knowledge, skills and personal qualities in accordance with the tasks of professional activity. Competence, as a comprehensive characteristic of a graduate's willingness to apply knowledge, skills and personal qualities in standard and changing situations of professional activity, is a fundamental criterion in the preparation of students of educational programs.

The university provides students with the maximum possible amount of structured, organized information on readable disciplines - presentation materials, lecture notes, compulsory and additional literature and practical tasks.

When implementing EP, the principle of the unity of the educational and scientific process is observed - the implementation of scientific research on production bases.

Orientation of the educational process to the training of specialists for the branches of science and industry, which are of priority importance for the development of the republic and the region.

The coordinator of the EP Amirgaliyev B.Ye. He has more than 12 years of experience, from 2007 to 2010 he worked as a developer in BTA Bank JSC, since 2010 he has been engaged in teaching activities. In 2015-2017 he received grant financing and, together with the team, implemented a telecommunication project - the development of an intelligent driving quality monitoring system based on Zigbee, LoraWan technologies for inter-vehicle interaction.

In the development of the curriculum and in its discussion, to improve the EP and increase the competitiveness of graduates, employers also participate in meetings of collegial bodies and a round table.

The first graduation of students in the EP groups 6B062-Telecommunications is expected in 2022.

Analytical part

Experts of the EEC IAAR have noted that the educational programs Cybersecurity and Telecommunication fully comply with the standard.

However, it can be noted that there is little information on holding seminars to solve practical problems that are relevant for enterprises in the field of specialization. Could be more information on practical training.

Strengths / Best Practices OP Cybersecurity, Telecommunication Systems

- The training of students in the application of modern information technologies is provided by the EP management.

Recommendations of the EEC OP "Cybersecurity", Telecommunication systems, (undergraduate):

- to strengthen the work of attracting specialists from production with practical experience in the specialization of EP, as well as provide for the harmonization of the educational cycle with leading foreign universities.

The conclusions of the EEC on the criteria for the EP "Cybersecurity", "Telecommunication Systems", (undergraduate):

The EEC notes that according to the "Standards in the context of individual specialties" 4 criteria are disclosed, 4 of which have a satisfactory position.

(VII) OVERVIEW OF STRENGTHS / BEST PRACTICE BY EACH STANDARD

6.1. Standard "Management of the educational program"

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- The quality assurance policy is posted on the university's website and reflects the link between research, teaching and learning.
- The development plan of the EP corresponds to the priorities of the implementation of the state program "Digital Kazakhstan" and the development of science.
- The EP development plan is considered in the Academic and Scientific Councils with the involvement of employers and takes into account the needs of society.
- The EP management ensures the availability and openness of the contact information of the EP leaders, which are posted on the university's website in the public domain and social networks of the IT Management, Cybersecurity, and Telecommunication Systems social networks.

6.2. Standard "Information Management and Reporting"

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- There is a mechanism for the development of EP with a review of the results in collegial bodies indicating the frequency, form and methods of evaluating the management of EP.

6.3. Standard "Development and approval of the educational program"

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (Bachelor's degree):

- EP management developed and approved by the collegial body of the university models of EP graduates and posted on the university's web pages;
- in the contents of the accredited EP, the qualifications obtained upon completion of the EP are defined and explained;
- EP management provides for the possibility of passing professional certification as part of the Cybersecurity, Telecommunication Systems EPs.
- the complexity of accredited EPs is clearly defined in ECTS credits.
- the content of academic disciplines and learning outcomes correspond to the level of undergraduate education

6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

Astana IT University monitors the quality of education to determine the degree and completeness of the implementation of educational standards, the compliance of the operational goals of the university with the strategic requirements for a specialist in the labor market, and the level of teachers to prepare a competitive specialist.

6.5. Standard "Student-centered Learning, Teaching, and Performance Assessment"

Strengths / Best Practices in the EP "Cybersecurity", "Telecommunication Systems":

- the contents of the EP "Cybersecurity", "Telecommunication Systems", various trajectories are considered.

6.6. Standard "Students"

Strengths / best practice in the IT Management, Cybersecurity,

Telecommunication Systems, Digital Journalism (undergraduate) courses:

- The EP management demonstrated the existence of a policy for the formation of the contingent of students in the context of EP from admission to graduation. EP management ensures transparency of all its procedures. All procedures from receipt to completion are defined, approved and published.
- The site has information for applicants on the minimum requirements
- There is a forecast of the number of state grants;
- provision of students with a hostel.

6.7. Standard "Teaching staff"

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- Based on the development strategy, the university has a transparent personnel practice, the task of which is to increase the efficiency of personnel management by creating a human resources management system aimed at ensuring leadership in a competitive environment based on qualitative and quantitative personnel indicators. Personnel policy is aimed at professional growth and development of teaching staff. Personnel policy ensures the growth of professional competence of the entire staff of the teaching staff.
- The correspondence of the staff potential of the teaching staff with the development strategy of the university and the specifics of the academic staff has been demonstrated, all the teaching staff have sufficient qualifications.
- The EP management has demonstrated a high level of responsibility for its teaching staff and fully ensures favorable working conditions for them.

6.8. Standard "Educational Resources and Student Support Systems"

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- Infrastructure of Astana IT University is a unified educational and scientific complex, where material and technical resources are adequate, information resources meet the specifics of the study program, and there is technological support for students and teaching staff.
- Access to educational Internet resources.
- WI-FI functioning in the territory of the educational organization.

6.9. Public Awareness Standard

Strengths / best practice in the IT Management, Cybersecurity, Telecommunication Systems, Digital Journalism (undergraduate) courses:

- The university's information policy is aimed at: ensuring a stable information flow of news about significant events and achievements in the media; attracting the interest of potential consumers in new programs and innovative developments of university scientists; support and clarification of national development programs of the country.

6.10. Standard "Standards in the context of individual specialties"

SOCIAL SCIENCES, HUMAN SCIENCES, ECONOMY, BUSINESS AND LAW, SERVICES

Strengths / best practice in the EPs "IT Management", "Digital Journalism" (undergraduate):

- The interdisciplinary nature of EP meets the needs of the current time when the labor market is rapidly changing.

TECHNICAL SCIENCES AND TECHNOLOGIES

Strengths / Best Practices of EPs Cybersecurity, Telecommunication Systems

- The training of students in the application of modern information technologies is provided by EP leaders.

(VIII) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS BY EACH STANDARD

6.1. Standard "Management of the educational program"

The recommendations of the EEC on the EPs "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- for the Center of competence and excellence of the university, together with the management of the EP, to develop a plan, a report on training under the educational management programs of the leaders of the EP. To consider the possibility of undergoing training by the management of the educational program management programs in the context of the educational program "Cybersecurity", "Digital Journalism", "Telecommunication Systems".
- the EP management together with the Department of Academic Affairs to develop a plan for the implementation of joint / double diploma education, as well as the EP management to expand cooperation with domestic and foreign universities on internal and external academic mobility.

6.2. Standard "Information Management and Reporting"

The recommendations of the EEC on the EPs "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- to develop a list of documents confirming personal consent to the processing of personal data of employees and teaching staff.

6.3. Standard "Development and approval of the educational program"

The recommendations of the EEC on the EPs "IT Management", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- the EP management to improve the work of involving stakeholders in the development and quality assurance of EP Digital Journalism, Telecommunication Systems, IT Management.

6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"

The recommendations of the EEC on the EPs "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- EP management to develop a mechanism for informing stakeholders about any planned or taken actions regarding the EP, in terms of EP discussing and updating, the EP development plan.
- EPs should take into account the needs of employers and the dynamics of the development of the labor market for EP Digital Journalism, IT Management.

6.5. Standard "Student-centered Learning, Teaching, and Performance Assessment"

The recommendations of the EEC on the EPs "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- It is recommended to conduct own research in the field of teaching methods of special (technical) disciplines within the framework of EP.
- to organize regular training courses for teachers in higher education pedagogy and teaching methods of technical disciplines.

6.6. Standard "Students"

The recommendations of the EEC on the EPs "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- to implement a set of measures to stimulate students to self-education and development outside the EP by creating circles / sections / laboratories in areas;

- to develop a support system for gifted students and document the procedure in the context of EP;

- EP management to provide students with a base of practice, taking into account the specifics of the EP "Digital Journalism" from media structures.

6.7. Standard "Teaching staff"

The recommendations of the EEC on the EPs "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- to provide for the participation of leading foreign and domestic teachers to work in the EP on a competitive and contract basis.

6.8. Standard "Educational Resources and Student Support Systems"

The recommendations of the EEC on the EPs "IT Management", "Cybersecurity", "Telecommunication Systems", "Digital Journalism" (undergraduate):

- In order to expand the library fund on paper and electronic media in the context of educational programs, the head of the scientific library, together with the heads of the EP, to prepare, approve a plan for the purchase of educational literature and periodicals;

- expand access to international databases of electronic information and educational resources at the EP "Digital Journalism".

6.9. Public Awareness Standard

The recommendations of the EEC on the EPs "IT Management", "Cybersecurity", "Telecommunication Systems, "Digital Journalism" (undergraduate):

- To the Department of Marketing and Public Relations, together with the EPs leaders on a periodic basis to post on the website up-to-date information identical in all languages, to post information and links to web pages of external resources based on the results of an external evaluation.

6.10. Standard "Standards in the context of individual specialties"

SOCIAL SCIENCES, HUMAN SCIENCES, ECONOMY, BUSINESS AND LAW, SERVICES

The recommendations of the EEC on the EPs "IT Management", "Digital Journalism" (undergraduate):

It is necessary to pay special attention to the practice-oriented orientation of the EP, focusing on cooperation with media structures within the country, as well as to provide for the harmonization of the educational cycle with leading foreign universities.

TECHNICAL SCIENCES AND TECHNOLOGIES

Recommendations of the EEC on the EPs "Cybersecurity", "Telecommunication Systems" (undergraduate):

To intensify the work on attracting specialists from production with practical experience in the specialization of EP, as well as provide for the harmonization of the educational cycle with leading foreign universities.

Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS" "IT Management", "Cybersecurity", "Telecommunication systems", "Digital Journalism"

№	№	Criteria for evaluation	The position of the organization of education			
			Strong	Satisfactory	Need improvement	Unsatisfactory
Standard " Management of Education Program "						
1.	1.	The higher and (or) post graduate education organization should have a published quality assurance policy. The quality assurance policy should reflect the relationship between research, teaching and learning.	+			
2.	2.	The higher and (or) post graduate education organization should demonstrate the development of a culture of quality assurance, including in the context of the EP.		+		
3.	3.	Commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including in the implementation of joint / dual degree education and academic mobility.		+		
4.	4.	The management of the EP demonstrates commitment to ensuring transparency in creating of an EP's development plan based on an analysis of its functioning, the actual positioning of EO and the focus of its activities on meeting the needs of the state, employers, students and other stakeholders. The plan should contain the start dates for the implementation of the educational program.	+			
5.	5.	The management of the EP demonstrates the existence of a mechanisms for the formation and regular revision of the development plan of the EP and monitoring of its implementation, assessing the achievement of the training objectives, meeting the needs of students, employers and society, making decisions aimed at the continuous improvement of the EP.	+			

6.	6.	The management of the EP should involve representatives of stakeholder groups, including employers, students and teaching staff, in the development of an EP's development plan.		+		
7.	7.	The management of the EP should demonstrate the individuality and uniqueness of the development plan for the EP, its coherence with national development priorities and the development strategy of the higher and (or) post graduate education organization.		+		
8.	8.	The higher and (or) post graduate education organization should demonstrate a clear definition of those responsible for business processes within the framework of the EP, unambiguous distribution of the duties of the staff, delineation of the functions of collegial bodies.		+		
9.	9.	The management of the EP should provide evidence of the transparency of the educational program's management system.		+		
10.	10.	The management of the EP should demonstrate the existence of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making based on facts.		+		
11.	11.	The management of the EP should implement risk management, including in the framework of the EP passing ex-ante accreditation and demonstrate system of measures aimed at risk reduction.		+		
12.	12.	The management of the EP should ensure the participation of representatives of employers, teaching staff, students and other stakeholders in the collegial bodies of management of the educational program, as well as their representativeness in making managerial decisions related to the educational program.		+		
13.	13.	EO should demonstrate the management of innovation within the framework of the EP, including the analysis and implementation of innovative proposals.		+		
14.	14.	The management of the EP should demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other stakeholders.	+			
15.	15.	The management of the EP should be trained in management of education programs.			+	
Total by standard			**4**	**10**	**1**	**0**
Standard «Information Management and Reporting»						
16.	1.	EO should demonstrate the existence of the system for collection, analysis and management of information using modern information and		+		

		communication technologies and software. EO uses a variety of methods to collect and analyze information in the context of EP.				
17.	2.	The management of the EP should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18.	3.	The management of the EP should demonstrate fact-based decision making.		+		
19.	4.	Under the EP there should be provided a system of regular reporting, reflecting all levels of structure, including an assessment of the effectiveness and efficiency of activities of structural units, departments and research.		+		
20.	5.	EO should establish the periodicity, forms and methods of the EP's evaluation management, the activities of collegial bodies and structural units, top management, the implementation of scientific projects.	+			
21.	6.	EO should demonstrate the definition of order and ensure protection of information, including the identification of responsible persons for the reliable and timely analysis of information and data provision.		+		
22.	7.	An important factor is the existence of a mechanism of the involvement of students, employees and teaching staff in the processes of collection and analysis of information, being the basis for making decisions.		+		
23.	8.	The management of the EP should demonstrate the existence of a mechanism of communication with students, employees and other stakeholders, including the existence of conflict resolution mechanisms.		+		
24.	9.	EO should demonstrate the existence of mechanisms for providing a measure of the degree of satisfaction of the needs of the teaching staff, personnel and students under the EP.		+		
25.	10.	EO should provide evaluation of the effectiveness and resulting quality of its activities, including in the context of the EP.		+		
		The information estimated to be collected and analyzed by the EO should take into account:				
26.	11.	key performance indicators;		+		
27.	12.	dynamics of students population in the context of forms and types;		+		
28.	13.	level of academic achievement, student achievement and failing students rate;		+		
29.	14.	students' satisfaction with the implementation of the EP and the quality of education at the EO;		+		

30.	15.	availability of educational resources and support systems for students.		+		
31.	16.	EO should confirm the implementation of the processing of personal data of students, employees and teaching staff based on their consent in writing form.		+		
Total by standard			**1**	**15**	**0**	**0**
Standard «Development and Approval of Educational Programs»						
32.	1.	EO should define and document the procedures for the development of the EP and their approval at the institutional level.		+		
33.	2.	The management of the EP should demonstrate the compliance of the developed EP with the established objectives, including the expected learning outcomes.		+		
34.	3.	The management of the EP should ensure the existence of the developed models of the EP's graduates, describing the results of training and personal qualities.	+			
35.	4.	The management of the EP should demonstrate the conduct of external reviews of the EP's content and planned results of its implementation.		+		
36.	5.	The qualification obtained on completion of EP should be clearly defined and consistent with a certain level of the NQF.	+			
37.	6.	The management of the EP should determine the impact of disciplines and professional practices on the formation of learning outcomes.	+			
38.	7.	An important factor is the possibility of students' training for professional certification.	+			
39.	8.	The management of the EP should provide evidence of the participation of students, the staff and other stakeholders in the development of the EP, ensuring its quality.		+		
40.	9.	The complexity of the EP should be clearly defined in Kazakhstan credits and ECTS.	+			
41.	10.	The management of the EP should ensure that the content of the academic disciplines and planned learning outcomes corresponds to the level of study (bachelor's, master's, doctoral).	+			
42.	11.	The structure of EP should provide for various activities ensuring achievement by students the planned learning outcomes.		+		
43.	12.	An important factor is the correspondence between the content of the EP and the results of EP's learning outcomes implemented by an organization of higher and (or) postgraduate education in the EHEA.		+		
Total by standard			**6**	**6**	**0**	**0**

Standard «Ongoing Monitoring and Cyclic Evaluation»						
44.	1.	EO should identify mechanisms of monitoring and periodically evaluate the EP in order to ensure that the goal is achieved and meet the needs of students and society. The results of these processes should be aim at the continuous improvement of the EP.		+		
		Monitoring and periodic evaluation of EP should provide:				
45.	2.	the content of the programs in the light of the latest scientific achievements in a specific discipline to ensure the relevance of the discipline being taught;	+			
46.	3.	changes in the needs of society and the professional environment;		+		
47.	4.	workload, academic performance and graduation;		+		
48.	5.	effectiveness of evaluation procedures for students;		+		
49.	6.	expectations, needs and satisfaction of students of teaching methods under the EP;		+		
50.	7.	the educational environment and support services and their compliance with the objectives of the EP.		+		
51.	8.	EO, management of the EP should identify a mechanism for informing all stakeholders of any planned or undertaken actions in relation to the EP.			+	
52.	9.	All changes made to the EP shall be published. The management of the EP should develop a mechanism for review of the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of the society.			+	
Total by standard			**1**	**6**	**2**	**0**
Standard «Student-Centered Learning, Teaching and Evaluation of learning»						
53.	1.	The management of the EP should ensure respect and attention to different groups of learners and their needs, providing them with flexible learning paths.	+			
54.	2.	The management of the EP should ensure the use of various forms and methods of teaching and learning.		+		
55.	3.	An important factor is the availability of own research in the field of methods of teaching the academic disciplines.		+		
56.	4.	The management of the EP should demonstrate the availability of a mechanism for feedback system on the use of different teaching methods		+		

		and the evaluation of learning outcomes.				
57.	5.	The management of the EP should demonstrate the existence of a mechanism of support for the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
58.	6.	The management of the EP should demonstrate the existence of a procedure for responding to student complaints.		+		
59.	7.	EO should ensure the consistency, transparency and objectivity of the learning outcomes evaluation mechanism for each EP, including the appeal.		+		
60.	8.	EO should ensure that the procedures for evaluating the learning outcomes of students of EP are consistent with the planned learning outcomes and program objectives. Criteria and methods of evaluation should be published in advance.		+		
61.	9.	Mechanisms for ensuring that each graduate of EP has mastered the learning outcomes must be defined in EO, and the completeness of their formation is ensured.		+		
62.	10.	Reviewers should know modern methods for evaluation of learning outcomes and regularly improve their qualifications in this field.		+		
Total by standard			**1**	**9**	**0**	**0**
Standard «Students»						
63.	1.	EO should demonstrate the existence of a policy of forming students' population from admission until graduation and ensure the transparency of its procedures. Procedures regulating the life cycle of students (from admission to graduation) must be defined, approved, published.	+			
		The management of the EP should determine the order of formation of students' population on the basis of:				
64.	2.	minimum requirements for entrants;	+			
65.	3.	the maximum size of the group for conducting seminars, practical, laboratory and studio sessions;		+		
66.	4.	forecasting the number of government grants;	+			
67.	5.	analysis of available material, technical, information resources, personnel potential;		+		
68.	6.	analysis of potential social conditions provided to students, incl. providing places in dormitories.	+			
69.	7.	The management of the EP should demonstrate willingness to provide for special adaptation and support programs for newly enrolled and foreign students		+		

70.	8.	EO must demonstrate its compliance with the Lisbon Recognition Convention.		+		
71.	9.	EO should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" ENIC / NARIC to ensure comparable recognition of qualifications.		+		
72.	10.	The management of the EP should demonstrate the existence of a mechanism to recognize the results of academic mobility of students, as well as the results of additional, formal and informal training.		+		
73.	11.	EO should provide an opportunity for external and internal mobility of students of EP, as well as provide willingness to assist them in obtaining external education grants.		+		
74.	12.	The management of the EP should demonstrate the willingness to provide practice-enrolled students, facilitate the employment of graduates, and maintain communication with them.		+		
75.	13.	EO should provide an opportunity for providing graduates of EP with documents confirming the received qualification, including the results achieved, as well as the context, content and status of the education received and evidence of graduation.		+		
76.	14.	An important factor is the existence of mechanism for monitoring of the employment and professional activities of EP's graduates.		+		
Total by standard			**4**	**10**	**0**	**0**
Standard «Teaching Staff»						
77.	1.	EO should have an objective and transparent personnel policy, earmarked for the specific EP, which includes hiring, professional growth and development of staff, ensuring the professional competence of the whole manning power.	+			
78.	2.	EO should demonstrate the conformity of the personnel potential of the faculty with the development strategy of the EO and the specifics of the EP.	+			
79.	3.	The management of the EP should demonstrate the awareness of responsibility for its employees providing them with favorable working conditions.	+			
80.	4.	The management of the EP should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.		+		

81.	5.	EO should determine the contribution of the faculty to the implementation of the development strategy of the EO and other strategic documents.		+		
82.	6.	EO should provide opportunities for career growth and professional development of the EP's teaching staff.		+		
83.	7.	The management of the EP should demonstrate the willingness to involve practitioners in the relevant sectors.		+		
84.	8.	EO should demonstrate the motivation for the professional and personal development of teachers, including encouraging both the integration of research and education, and the use of innovative teaching methods.		+		
85.	9.	An important factor is willingness to develop of academic mobility under the EP, attracting the best foreign and domestic teachers.		+		
Total by standard			**3**	**6**	**0**	0
Standard «Educational Resources and Student Support Systems»						
86.	1.	EO should guarantee a sufficient number of accessible and correspondent with the learning objectives training resources and support services for students.		+		
87.	2.	EO should demonstrate the sufficiency of material and technical resources and infrastructure taking into account the needs of different groups of students under specific EP (adults, working, foreign students, as well as disabled students).	+			
		The management of the EP should demonstrate the existence of support procedures for various groups of students, including information and counseling. The management of the EP should demonstrate the compliance of information resources with the specifics of the EP, including:				
88.	3.	technological support for students and teaching staff in accordance with educational programs (for instance, online training, modeling, databases, data analysis programs);	+			
89.	4.	library resources, including a fund for educational, methodological and scientific literature on general education, basic and major disciplines in hard or soft copies, periodicals, access to scientific databases;			+	

90.	5.	examination of the results of research, final papers, dissertation papers on plagiarism;		+		
91.	6.	access to educational Internet resources;	+			
92.	7.	the functioning of WI-FI in the area of the educational organization.	+			
93.	8.	EO should strive to ensure that the training equipment and software used to develop the EP are similar to those used in the relevant industries.		+		
Total by standard			**4**	**3**	**1**	**0**
Standard «Public Awareness»						
		EO should publish reliable, objective, relevant information about the educational program and its specifics, which should include:				
94.	1.	expected learning outcomes of the implemented educational program;	+			
95.	2.	qualification and (or) qualifications, which will be awarded upon completion of the educational program;	+			
96.	3.	approaches to teaching, training, and systems (procedures, methods and forms) of evaluation подходы;		+		
97.	4.	information on “pass” scores and educational opportunities provided to students;	+			
98.	5.	information on employment opportunities for graduates		+		
99.	6.	The management of the EP should use a variety of ways to disseminate information (including media, web resources, information networks etc.) to inform the general public and stakeholders.		+		
100.	7.	Public awareness should support and explain national development programs of the country and the system of higher and postgraduate education.		+		
101.	8.	EO should publish audited financial statements on its own web resource including in reference to specific EP.		+		
102.	9.	An important factor is the availability of adequate and objective information about the faculty of EP.		+		
103.	10.	An important factor is public awareness about cooperation and interaction with partners under the EP.		+		
Total by standard			**3**	**7**	**0**	0
Standards by Specific Specialties						
«TECHNICAL SCIENCES AND TECHNOLOGIES»						

		Educational program in the areas of "Natural Sciences", "Technical sciences and technologies" should comply with the following requirements:				
104.	1.	EP should include disciplines and activities aimed at gaining practical experience and skills in the specialty as a whole and majoring disciplines in particular, including: - site visits to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, scientific and experimental households, etc.); - individual lessons or complete courses on specialization of enterprises; - workshops for solving practical problems of relevance at companies in the field of EP's specialization, etc.		+		
105.	2.	The teaching staff involved in the EP shall include in-house practitioners who have long-term experience working at enterprises in the field of EP's specialization.		+		
106.	3.	The content of all disciplines of EP should be based and have a clear relationship with the content of the fundamental natural sciences.		+		
107.	4.	The management of the EP should provide measures for strengthen practical training in the field of specialization.		+		
108.	5.	The management of the EP should provide the training of students in the field of application of modern information technologies.		+		
Total by standard			**0**	**5**	**0**	**0**
«SOCIAL SCIENCES, ECONOMICS AND MANAGEMENT, SERVICES, HUMANITIES AND LAW»						
		Educational program in the areas of "Social sciences, Economics and Management", "Humanities" and Law" should comply with the following requirements:				
109	1	The management of the EP should provide that the teaching within the program is conducted on the basis of modern achievements of world science and practice in the field of specialization, as well as using modern and advanced teaching methods.		+		
110	2	The management of the EP should provide an opportunity for the access of students to the modern and relevant data (statistics, news, scientific results) in the field of specialization in paper editions (newspapers, statistical data collections, textbooks) and electronic media.		+		
111	3	Objectives and results of the EP should be aimed at providing learners with specific skills required		+		

		in the labor market.				
112	4	The EP should include a sufficient number of disciplines and activities aimed at providing students with practical experience in applying theoretical knowledge, such as industrial placement, training in enterprises, participation in lectures and workshops of practicing specialists, etc.		+		
Total by standard			**0**	**4**	**0**	0
TOTAL			**27**	**81**	**4**	**0**