REPORT

on the results of the external expert assessment committee's work for compliance with the requirements of institutional accreditation standards of Osh Technological University named after Academician M.M. Adyshev Site visit days: from "02" to "04" May, 2018

INDEPENDENT AGENCY OF ACCREDITATION AND RATING
External Expert Commission

Addresed to Accredition
Counsil of IAAR

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Osh, 2018

CONTENTS

(I) LIST OF SYMBOLS AND ABBREVIATIONS

EEC - external expert commission
HEI - higher educational institution
SEC - State Examination Commission
MESKR - Ministry of Education and Science of the Kyrgyz Republic
NAS KR - National Academy of Sciences of the Kyrgyz Republic
IAAR - national accreditation and rating agency
R & D - research and development
SRW - student research work
EP - educational program
Osh TU - Osh Technological University
SCAS - Software Computing and Automated Systems
TS – Teaching staff
IWS - independent work of students
EMC - educational and methodical complex
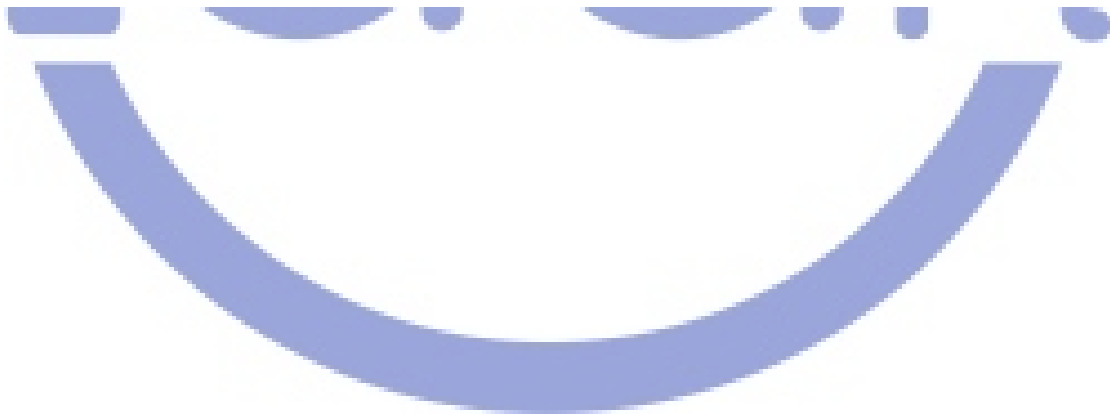
(II) INTRODUCTION

In the period of 2-4 May 2018, the External Expert Commission carried out an external quality assessment of Osh Technological University named after M.M. Adyshev in accordance with the standards of the Independent Accreditation Agency and Rating.

By the objects of evaluation the main processes of the university, the management system; the educational process, the quality of teaching and assessment of progress, the activity of the university in admitting students; employment and demand for graduates in the labor market; qualitative and quantitative indicators of the faculty; research work of faculty and students at the time of accreditation and in the dynamics over the past 3 years were identified.

The external evaluation of the quality of educational services was carried out in accordance with the program developed by the IAAR together with the chairman of the expert group and coordinated with the university administration.

The EEC is approved by the Order of the IAAR Director No. 21-18-OD April 1, 2018 as the following:

1. *Chairman* - Shunkeev Kuanyshbek Shunkeevich, Doctor of Physics and Mathematics, Professor, First Category IAAR Expert, First Vice Rector of Aktobe Regional State University named after K. Zhubanov (Aktobe, Kazakhstan).

2. *Observer* - Niyazova Guliyash Balkenovna, project manager for institutional and specialized accreditation of universities (Astana, Republic of Kazakhstan).

3. *Observer* of the Education and Science Ministry of the Kyrgyz Republic - Altybaeva Meilikan, director of the accreditation and quality department of education at Osh State University (Osh, Kyrgyz Republic).

4. *Foreign expert* - German Andrei Evgenievich, Ph.D., associate professor, dean of the Faculty of Physics and Technology, Grodno State University named after Yanka Kupala (Grodny, Belarus).

5. *Foreign expert* - Adlet Zhunusovich Toybaev, Ph.D., Vice-Rector of the Kazakhstan University of Engineering and Technology (Almaty, Republic of Kazakhstan).

6. *National expert* - Tayirov Mitalip Muratovich, Doctor of Physics and Mathematics, Professor of Batken State University (Kyzyl-Kiya, Kyrgyz Republic).

7. *National expert* - Botobekov Arstanaly Botobekovich, head of the accounting department of the Kyrgyz National University named after Zhusup Balasagyn (Bishkek, Kyrgyz Republic).

8. *Employer* - Shonoev Mirlan Kurmanbekovich, Director of the Osh branch of OJSC Halyk Bank Kyrgyzstan in the city of Osh (the city Osh, the Kyrgyz Republic).

9. *Student* - Asanov Maksatbek Turdumamatovich, 4-year student of the specialty "Information Technology" of the Kyrgyz-Uzbek University (Osh, Kyrgyz Republic).

According to the site visit programme, a meeting of experts of the IAAR was held with the administration of Osh Technological University, rector and vice-rectors, heads of departments (department of educational process management and quality management, department of educational work and social development, department of language training and international educational programs, institute of advanced training, Applied Sciences, Center for International Cooperation, Information Technology Department, Career Guidance and Pre-University Training Department, Masters' Department, postgraduate and doctoral studies department, graduate department, library, accounting, human resources, executive secretary of the selection committee, and others.).. Meetings were also held with the deans of the faculties in accredited specialties, heads of departments, a team of teachers and students of the university, as well as employers. A questionnaire event was held for students and teachers.

A visual inspection of the material and technical base of the university, infrastructure facilities and collective basis was carried out.

The experts inspected the educational and laboratory facilities, discussed the basic educational process and logistics problems of the organization.

In the frame of the audit, they were presented with the leading practice bases on accredited educational programs, where meetings were held with the leadership of the regional leading enterprises, the practice advisors from enterprises, and the workplaces at which the students' practice was organized.

Recommendations for improving the university's activities, developed by the EEC on the basis of the examination in the frame of the planned program were presented at a meeting with the administration on May 4, 2018.

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

Osh Technological University. M.M. Adyshev is a higher educational institution, in its activities is guided by the Constitution of the Kyrgyz Republic, the Law of the Kyrgyz Republic "On Education", Decrees of the Kyrgyz Republic, Decrees and Decisions of the Government of the Kyrgyz Republic, other regulatory legal acts of the MES KR and the Charter of Osh Technical University named after M.M. Adyshev.

The university was founded on the basis of the Frunze Polytechnic Institute by order of the Minister of Higher and Secondary Special Education of the Kyrgyz SSR in 1963 (in Osh, the evening general technical faculty of the Frunze Polytechnic Institute was opened). January 21, 1991 the Osh Technological College was established by the Decree of the Kirghiz SSR Ministers Council on number 17 on the basis of the evening general technical faculty of the Frunze Polytechnic Institute. On February 24, 1996, the Osh Technological College was reformed into the Osh Technological University by the Decree No. 21 of the President of the Kyrgyz Republic.

By order of the Minister of Education and Culture of the Kyrgyz Republic No. 57/1, January 23, 2004 Osh Technological University was named after academician Musa Murzapayazovich Adyshev.

Currently, Osh Technical University includes: 3 institutes (Institute for Advanced Studies and Retraining; Institute of Applied Sciences; Institute of Language Training and International Educational Programs); 7 faculties (automobile transport; energy (specialty energy department 640200 - "electricity and electrical engineering" subjects to current accreditation); architectural and construction, cybernetics and information technology; economics and management; technology and environmental management; natural and technical), as well as 2 colleges (Technological College, Uzgen College of Technology and Education named after Academician B. Murzubraimov). Osh TU also includes a center for vocational guidance and pre-university training, as well as a lyceum.

The priority research areas of Osh Technical University are: information and telecommunication technologies and new materials; energy and transport (including alternative energy sources and road safety issues); Building (Civil Engineering), design, architecture and mining; machine science, chemical technologies in agriculture and biotechnology; problems of environmental protection, nature management and biodiversity conservation; complex study of mineral resources; technologies for processing agricultural raw materials; economic problems of Kyrgyzstan in the conditions of transition to market relations; linguistic and methodological problems of describing foreign languages for educational purposes and the development of new technologies for their training; ecological and biotechnological problems in the highlands of the southern region of Kyrgyzstan.

Osh Technical University is a member of the Russian-Kyrgyz consortium and cooperates with more than one hundred and fifty educational institutions in the countries of the near and far abroad, students are exchanged under international programs. Teachers and graduate students participate in internships abroad.

Osh Technical University implements educational programs: bachelor degree - 30 areas; Masters Degree - 13 areas. The total contingent of students is 8850 (of them, full-time education

- 4874, on a grant - 696). Foreign students - 88. Contingent of undergraduates - 186; TS - 435, of which staff - 406; Doctors of sciences - 19, of them staff - 12. Candidates of sciences - 106, of them staff - 98; MA - 46. There are accredited programs - AAOPO 2018 (certificate No. VU180000022) Official website of Osh Technical University: www.oshtu.kg, E-mail: oshtu.adyshev@mail.ru

The total number of OshTU employees in the 2017-18 academic year was 767 people. Teaching staff - 408 people, of them full-time - 389; part time -17; administrative and management personnel -108 people. The total number of employees of the Uzgen Institute of Technology and Education is 76 people.

Of the 408 staff members there are 11 doctors of science, professors, 96 candidates of science, associate professors. Teaching staff with more than 10 years experience at the university consists of 72%.

There are 1 Honored Scientist of the Kyrgyz Republic, an academician of the Kyrgyz Republic National Academy of Sciences; 2 honored educators of the Kyrgyz Republic; 2 honored workers of the geological service of the Kyrgyz Republic; 9 academicians and corresponding members of branch academies; more than 80 teachers who received the badge "Excellence in National Education of the Kyrgyz Republic".

The average age of doctors of science and professors is 55, candidates of science, professors are 52, candidates of science, associate professors are 40 years old.

The scientific activity of OshTU is coordinated by the department of science of OshTU and is implemented in the following divisions: Institute of Applied Sciences, 2 scientific laboratories, departments and faculties, scientific and technical council. There is an Interstate Departmental Dissertation Council, departments of magistracy, postgraduate and doctoral studies. Educational buildings of the university occupy 24513m2 and meet the requirements for premises for educational activities.

Mission of Osh Technological University: 1) Ensuring high-quality and affordable education using the advanced educational technologies and innovations; 2) All-round support of the economy and production development, technician and technology in the country through the training of highly qualified specialists of the new formation, trained on the principles of a competence approach and capable of practically realizing the knowledge acquired in science, industry, and business; 3) Achieving the international recognition.

(IV) DESCRIPTION OF PREVIOUS ACCREDITATION PROCEDURE

The Osh Technological University named after Academician M.M. Adyshev for the first time undergoing accreditation. The University was previously certified by the Ministry of Education and Science of the Kyrgyz Republic.

(V) DESCRIPTION OF THE EEC VISIT

According to the site visit programme, a meeting of experts of the IAAR was held with the administration of Osh Technological University, rector and vice-rectors, heads of departments (department of educational process management and quality management, department of educational work and social development, department of language training and international educational programs, institute of advanced training, Applied Sciences, Center for International Cooperation, Information Technology Department, Career Guidance and Pre-University Training Department, Masters' Department, postgraduate and doctoral studies department, graduate department, library, accounting, human resources, executive secretary of the selection committee, and others.).. Meetings were also held with the deans of the faculties in accredited specialties, heads of departments, a team of teachers and students of the university, as well as employers. A questionnaire event was held for students and teachers.

Table 1. Information about staff and students who took part in meetings with EEC IAAR

Category of participants	Q-ty
Rector	1
Vice Rector	3
Directors of Departments, Institutes	23
Deans	8
Department Heads	25
Academic staff	97
Students	80
Graduates	60
Employers	45
Total	342

EEC members attended *training courses in the disciplines*

The discipline "Geoinformation systems in emergency situations" (3 course, the total number of students - 18 people), laboratory lesson Kachkenbaeva B.O.

The discipline "Development and analysis of software requirements" (3 course, total number of students - 12 people).

The discipline "Banks and banking" on the topic "Systems of cashless payments in banking" (in group E (FC) -15, the total number of students - 20 people). Lecture of the associate professor of the department "Accounting and Audit" Ph. D., associate professor Abdiev M. Zh. in the group E (BUiA) -15.

The discipline "Financial accounting -2", 21 out of 24 students were present.

A visual inspection of the material and technical base of the university, infrastructure facilities and collective basis was carried out.

The experts inspected the educational and laboratory facilities, discussed the basic educational process and logistics problems of the organization.

In the frame of the audit, they were presented with the leading practice bases on accredited educational programmes, where meetings were held with the leadership of the regional leading enterprises, the practice advisors from enterprises, and the workplaces at which the students' practice was organized.

Recommendations for improving the university's activities, developed by the EEC on the basis of the examination in the frame of the planned programme were presented at a meeting with the administration on May 4, 2018.

(VI) CONFORMITY TO INSTITUTIONAL ACCREDITATION STANDARDS

6.1 Standard "Strategic development and quality assurance"

Evidence part

Provided self-report of OshTU named after M.M. Adyshev on institutional accreditation, interviews with all stakeholders of the educational process, the questionnaire of students and staff of the university shows the compliance with the national priorities of Kyrgyzstan and the Osh region.

The university has developed and approved the mission, goals and objectives that are reflected in the approved Development Strategy. The development strategy of Osh TU named after M.M. Adyshev was approved at the meeting of the Academic Council by Protocol No. 2, 09.29.2017. The structure of the development strategy consists of 4 key areas and includes all activities of the university. Implementation monitoring the of the development strategy is carried out at the university departments, reports are discussed at meetings of the Academic Council.

Analytical part

Aimed for implementation of the university development strategy the structural units have developed and approved work plans for departments, chairs, faculties. The university has an approved quality policy which is available to the public through electronic and paper resources. The quality policy was discussed and approved at the meeting of the University Academic Council - Minutes No. 2, 09.29.2016.

Activities for implementation on the ISO 9001: 2008 University's quality management system standards, and also preparatory work for certification audit are underway.

The mission, goals, objectives and development strategy of the university are available on the website of the university, on the AVN information platform, in the StudTimes newspaper, the library, as well as in the departments and faculties.

The activities of the EEC in the framework of institutional accreditation showed the orientation of Osh Technological University named after M.M. Adyshev on the development of strategic, tactical and operational planning of the activities of the university, ongoing work on monitoring and corrective actions.

Constant work to develop the corporate culture of university employees, events to increase corporate culture among students are going-on process.

Strengths:

- availability of an implemented and realized university development strategy and its compliance with the national priorities of Kyrgyzstan;

- availability of university quality assurance policy;

- accessibility and extensive discussion of the university development strategy available at the university.

Weak sides:

- the analysis of existing risks is not in a sufficient level in the development strategy of the university;

- the absence of indicative implementation in the university development strategy;

- low degree of employers, graduates and other stakeholders involvement in the development strategy discussion of the university

EEC recommendations:

- the developed strategy for the development of the university requires substantial improvement with the indication of specific target indicators' of development;

- to activate the work on the implementation of the principles of corporate governance and corporate culture;

- to expand the involvement of external stakeholders in the development of the mission and the university strategic plan of the development and to ensure their representativeness;

- development of planning activities of the university through educational processes, improvement the plans and educational programs for the development;

- to intensify the certification process of QMS audit.

Conclusion EEC according to the standard "Strategic Development and Quality Assurance" 1 criterion a strong position, 1 a satisfactory position and 3 criteria are suggests improvement.

6.2 Standard "Leadership and Management"

Evidence part

Osh University of Technology leads its activities in accordance with the Charter, the university is registered with the Ministry of Education and Culture of the Kyrgyz Republic of 20.03.2000, Order No. 140/1 (reg. No. 53 "G"). The educational institution was registered in the Osh Regional Department of Justice as a legal entity on February 27, 1991, and re-registered on April 5, 2000 (state registration certificate: No. 25980-3306 UE of the PIU, No. 006138, OKPO 05709915, SOATO 4170640100000). Also, the university is guided by the normative documents

of the Ministry of Education and Science, internal regulations and rules for the organization of higher educational institutions.

The university has an approved organizational structure that corresponds to the goals and objectives of an ongoing development strategy.

At the time of visiting Osh State Technical University named after M.M. Adyshev at the university carried out active work on preparing for the introduction of quality management system standards and the certification of audit.

The rector of the university is appointed by order of the Prime Minister of the Kyrgyz Republic based on the results of the ongoing election procedure. The highest collegial body of management is the Academic Council, which consists of all stakeholders - the administration of the university, teaching staff, representatives of student self-government.

University administration is carried out:
- by the rector of the university;
- by Vice Rector on Academic Affairs;
- by Vice-Rector on Science and Innovations;
- by Vice-Rector on external relations and development;
- by Vice-rector on the state language.

The Scientific Council of Osh Technological University is the elective supreme body of the university governing; headed by the rector of the university; consists of 48 members (Appendix 4.1. The members of the Academic Council of Osh Technological University named after M.M. Adyshev). The Academic Council of Osh Technological University is formed in accordance with the Charter of Osh Technical Management, approved by ESM KR (order No. 140/1 of 03.20.2000, reg. No. 53 "G") and the "Regulations on the Academic Council of the Higher Educational Institution of the Kyrgyz Republic", approved by the Decree of the Government of the Kyrgyz Republic No. 346, May 29, 2012.

Also, the university has relevant departments, educational and methodological councils, collegial governing bodies of faculties (academic councils of faculties, educational methodological councils of faculties, student self-government bodies). The structure of Osh TU also includes: university administration, head of education quality department, educational and methodological councils, scientific and technical council, 3 institutes, head of library, department heads, deans of 7 faculties, heads of 35 departments, accounting, lawyer, office, archive , department for educational work and social development, administrative part and medical center.

Structural divisions of the university in organizing their activities are leaded by the approved regulations on departments, work plans. Employees of structural units are guided by approved job descriptions, internal regulations and other provisions of the university.

Analytical part

The university's quality management system supposes the introduction of corporate governance principles. In the frame of the QMS introduction at the university, regulatory documents and procedures that comply with the provisions of ISO standards are at the development and improvement stage. Monitoring of the activities of collegial governing bodies is carried out on a systematic basis, internal audit work is regularly organized. The university has developed a number of management provisions for providing documents to ensure the management of educational, scientific and non-educational activities, as well as the Code of Honor for teaching staff and staff, the Code of Honor for Students, etc.

The university has established close ties of cooperation with educational and manufacturing organizations of Kyrgyzstan (there are about 40 cooperation agreements). In order to improve the quality of education large-scale use of network technologies, information educational and telecommunication networks has been ensured at the university.

The university regularly carries out satisfaction monitors among teaching staff and students through the internal information system AVN. The accessibility and visibility of the administration and collegial governing bodies activities of the university is ensured by providing

relevant information to all stakeholders through various communication channels (Internet, internal information system, social networks, stands, etc.).

The external expert committee notes a sufficient level of development of the corporate culture of workers.

Strengths:

- the availability of an approved functional structure of the university allowing to implement a development strategy;

- a sufficient level of development of the corporate culture of the teaching staff of the university.

Weak sides:

- the lack of an implemented and certified quality management system of the university;

- the lack of implemented principles of corporate governance of the university;

- low level of management of university activities using a process approach;

- insufficient level of management development through planning the improvement of educational programs.

EEC recommendations:

- improve the system of risk assessment and identification of ways to reduce them;

- develop and implement a system of corrective and preventive actions;

- to compile the work plans of the structural units and the university budget in line with the approved university development strategy;

- to activate work on improving the AVN IS for electronic document management modules, strategic planning modules (including the teaching staff rating, departments, faculties);

- to provide training courses for senior and middle managers in the field of administration in education, risk management, etc.

Conclusion EEC on the Standard "Leadership and Management" 1 position is strong, according to 9 criteria satisfactory positions and 6 criteria are suggests improvement.

6.3 Standard "Information management and reporting"

Evidence part

Automation of the educational process organization management is provided by the university's "AVN" informational system that includes modules - the academic department, the students' human resource department, the human resource department of employees, the dean's office, department, accounting, etc.; there is an electronic journal. The internal information system AVN has the ability to accumulate information on the movement of students from the moment of entering the university until its completion and the issuance of a diploma.

IS AVN has the following reporting forms - Reports of the admission committee; Reports of the human resource department of employees; Reports from the students' human resource department; Reports of dean; Accounting reports; Educational portal reports; Testing reports; Reports of questionnaire.

In the educational portal of the university teaching staff place their methodical materials of disciplines and additional information. Information technologies are being introduced into the educational process, and long-distance learning technologies are being developed. In the classrooms there are technical training tools, such as interactive whiteboards, multimedia projectors; there are electronic filmstrips (animation, audio and video clips, interactivity elements), virtual laboratories, testing systems, electronic textbooks and training courses.

Analytical part

In order to improve the quality of educational services provided by correspondence courses, long-distance technologies are being introduced at the university by means of IS AVN.

Available in the university, IS AVN has the following functionality - SMS chat (on-line / of-line); webinar; file sharing; testing system; e-portfolio of teaching staff.

In order to provide feedback at the university, management meetings with students and the university administration members are regularly held, and the questionnaire "The teacher through the eyes of students" is conducted whose results are taken into account in the teachers' rating.

The university has a trade union that includes all full-time university teachers, there is a student council. The leadership of the trade union and the student council are actively involved in resolving existing conflict situations. Internal orders of the rector, vice-rectors and heads of structural divisions are brought to the notice of the performers by means of the Comfort system. The news events of the university are enlighted by Zhashtyk TV studio on local TV channels such as OshTV, Osh Pirim, Yntymak about 30 minutes a week. The television studio "Zhashtyk" is also used in the educational process as an educational laboratory room. YouTube, Facebook, Odnoklassniki, Instagram, Osh Zhanyrygy, Kutbilim, ErkinToo, Osh Shamy, Channel 7, ElFM, MaralFM, Kabar, Akipress, Barakelde, Art-line are used as public information channels.

Strengths:

- availability of a system for collecting, storing information about the degree of satisfaction of students with educational programs;

- collection and discussion of reports on the activities of structural divisions at meetings of collegial managing bodies.

Weak sides:

- low level of use of information technology in the collection and analysis of data in the study of the views of TS, graduates and employers;

- poorly conducted monitoring of the successful educational programs with the involvement of all stakeholders;

- the lack of a single developed and approved monitoring system for evaluating the activities of all structural divisions, EP, collegiate bodies, etc. (forms, methods, reports, procedures, etc.

EEC recommendations

- to develop and implement a unified integrated system for monitoring the assessment of the activities of structural units, the implementation of educational programs, the implementation of the university development strategy;

- to more widely involve the student community and representatives of the teaching staff in the adoption of managerial decisions of the university.

6.4 Standard «Development and Approval of the Basic Educational Programmes»

Evidence part

Educational services are provided at 7 faculties, 35 departments. Education is carried out at the expense of the state budget, on a contractual (contract) basis for daytime, part-time (DOT) forms of education. At the time of visiting the EEC, the university has licenses for educational activities in 31 undergraduate specialties, 12 magistracy specialties.

Development of educational programs is carried out by graduating departments of the university in accordance with the approved regulations. However, members of the EEC note a low degree of participation of all stakeholders in the development of EP (all TS, students, employers and graduates). EPs are developed in accordance with the regulatory documents of the Ministry of Education and Science, model plans. Along with the EP, the university develops the expected results for each specialty that are approved by the Academic Council

Planning the educational process is carried out by scheduling the educational process, summary schedules of examination sessions and SAC and other documentation. The distribution of the pedagogical loads for teachers are carried out by the departments, each of the TS members draws up an individual work plan. Student's workload includes all types of classroom and

extracurricular work. Since 2012, the ECTS system has been introduced to the university, but the calculation of the pedagogical load is carried out in hours.

Analytical part

Implementation of educational programs is carried out on the basis of EMCD and EMCS. There are the following types of classes at the university: lectures, laboratory, practical and seminar classes, course design (course paper), colloquiums, individual tasks, consultation, test, independent work of students, individual work with students, educational and pre-diploma practices, final qualifying work. Intermediate control is usually carried out in the form of testing.

In order to take into account the interests of employers in development of educational programs, practical workers take part in the formation of catalogs of elective disciplines.

At the time of the institutional procedure, the university is currently a member of the Consortium of 11 universities of the Kyrgyz Republic for implementation of the TEMPUSSCMTO12B04-2004 project "Integration of universities of the Kyrgyz Republic into the Bologna process" (BP) ". The head research center for BP was opened at the International University of Kyrgyzstan (Bishkek). European partners of the project were Pisa (Italy) and Ghent (Belgium) universities

EEC identified low level of comparative analysis with leading foreign universities and strategic partner universities. Planning of working plans and curricula and pedagogical loads of teachers in hours has the formal aspect of the introduction of the ECTS system.

Strengths:

- annual improvement of the educational programs content, working plans and curricula;

- participation of university teaching staff in international TEMPUS projects;

- availability of a sustainable procedure for the development and approval of the working plans and curricula of Master degree and bachelor specialties.

Weak sides:

- the lack of joint educational programs with foreign partner universities (including double-degree programs);

- low level of comparative analysis with leading foreign universities and strategic partner universities;

- planning of working plans and curricula and pedagogical loads of teachers in hours, the formal aspect of the introduction of the ECTS system

EEC recommendations:

- to widen the cooperation with leading foreign and Kazakhstan universities in order to harmonize the content and development of joint educational programmes;

- take measures for the further development of multilingual training of students;

- to improve the level of introduction of the ECTS principles system, including in the preparation of EP, the calculation of the teaching load.

Conclusion EEC on standard «Development and Approval of the Basic Educational Programmes» has a strong position on 1 criterion, satisfactory on 8 criteria and 3 criteria are suggests improvement.

6.5 Standard "On-Going Monitoring and Periodic Review of Basic Educational Programmes"

Evidence part

The University has organized work on monitoring the successful implementation of the educational programs. One of the main forms of monitoring conducted by the university is a questionnaire process among students and teachers.

In accordance with the approved procedure for monitoring and reconsidering the EP, the following methods are used - questioning students, graduates, teachers, parents and employers; student performance analysis; use of AVN functionality, analysis of student performance; the EP content expertise. However, systematic successful work on monitoring the educational programs

is conducted at the system level, and there is no developed procedures system for the evaluation monitoring of EP.

Analytical part

The implemented educational programmes are primarily aimed at meeting the demands of the labor market in the southern region of Kyrgyzstan. The university administration organizes meetings and discussions on the content of educational programs with a view to improving them. However, members of the EEC note that the level of cooperation and employers' involvement in the development of EPs is insufficient, and there is no experience in targeted training of specialists on specialized programs for any enterprises. Employees representatives are involved in the implementation of the educational process by employers' participation in the work of SAC, in organizing professional practices, discussing EPs, discussing competency systems of EPs, etc.

The structure and content of educational programs is updated annually, taking into account the views of stakeholders, the MPs and state standards.

Monitoring of the student performance at the university is one of the methods for analyzing the success of the EP. The analysis of progress is carried out by means of IS AVN and is discussed at the meetings of the departments, and the results of the analysis are summarized at the meeting of the Academic Council. The classroom and extracurricular teaching load of students meets the norms for calculating the pedagogical load approved by the MES KR and is also discussed with the department, students and parents. Registration for the elective disciplines is carried out by students in the AVN system, which allows the student to form their individual trajectory in the online mode. Organized in accordance with the academic load of students extracurricular work is carried out in the form of IWS, which is not included in the main schedule. Disciplines are provided with work programs test books for all sections, as well as guidelines on the IWS. It may be noted that there is a sufficient level of preparation of tasks for special disciplines, obtaining the ways and techniques of professional thinking, skills and abilities of independent analysis.

Parents of students also have access to the IS AVN, which allows them to get acquainted with the activities of the university, the news of the university and make suggestions in real time.

All stakeholders are informed about further improvement and the changes made to the EP through the following communication channels - the website of the University (www.oshtu.kg), social networks, e-mail.

The analysis of the existing working curricula of the EP showed the presence of disciplines in the following cycles - humanitarian; socio-economic; natural science; specializations. The additional types of training available in the WPCs structure include all types of organized practices; Interim and final attestation (SEC and SAC).

Strengths:

- the available organized monitoring and updating of the content of educational programs;

- the functioning of feedback channels with all stakeholders to inform changes in educational programs.

Weak sides:

- lack of systematic work on monitoring and constant improvement of the EP with the involvement of all stakeholders;

- not perfect functioning system of collecting, accumulating and analyzing data on educational evaluation;

- insufficient ongoing work on studying changes in the requirements of the labor market and the corresponding corrective actions.

EEC recommendations:

- improve the system of planning the development of educational programs and monitoring the implementation of this plan;

- widely involvement of employers and graduates in the preparation and evaluation of educational programs.

Conclusion EEC on standard "On-Going Monitoring and Periodic Review of Basic Educational Programmes" the university has 1 a strong position, 7 is satisfactory, 2 positions suggests improvement.

6.6 Standard "Student-Centered Learning, Teaching and Performance Evaluation"

Evidence part

The university has created favorable conditions for all groups of students, regardless of the language of study, the form of organization of the educational process, the special personal needs and their preferences. A student independently registering for elective disciplines chooses his own learning trajectory through IS AVN. On various specialties, students can choose from 1 to 3 different learning trajectory. Specialists are trained in the state, Russian languages, and some disciplines are offered for study in English at the university. The introduced student-centered education principles allowed us to create unique conditions for each student, contributing to the effective promotion along the chosen educational trajectory. During the formation of his/her trajectory, the student is provided with advisory assistance from his/her adviser (curator).

With the aim of analyzing the compliance of the structure and content of disciplines with student-centered education, the university discusses each discipline in the departments according to the following criteria - focus on the formation of certain professional competencies; compliance with relevant areas of science; compliance with the level of education; practice-oriented discipline; narrow focus disciplines are not allowed; disciplines that are a section of any other course are not allowed. *At the same time, members of the EEC note the doubtfulness of the correctness of the last two criteria on analyzing disciplines.*

The analysis of open door classes visited by members of the EEC showed the presence of interactive teaching methods used by teachers, such as business games, case study analysis; "Discussion", etc., which allows to make conclusions about the wide range of teaching methods used by the teaching staff. *However, members of the EEC did not provide supporting documentation on the availability of systematic research work of teaching staff of the department in the field of teaching methods.*

Active use of innovative methods of teaching is available in IT specialties in the field of study such disciplines as Algorithmization and Programming, Programming Technologies, Database Theory, Web Technologies, etc. The traditional material provided to students is supplemented by such means as Flash presentations made with the help of CamtasiaStudio editors, FreemakeVideoConverter and i-SpringFree.

Analytical part

The analysis of the University EP showed the presence of critical thinking development among students in the expected results of training directions. In turn, in the teaching staff syllabus, there are IWS tasks aimed at developing critical thinking and problem solving skills.

In order to improve the skills of teaching staff, the administration organizes training courses, departments conduct mutual visits of classes, trainings are held, and there are elements of mentoring.

The university has established strong ties with universities providing similar EPs located not only in the Kyrgyz Republic (4 partner universities), but also abroad, in countries such as Russia (27 universities), the EU (2), South Korea (3), India (1) and etc.

In the frame of the analysis the quality of teaching disciplines assessing and improving the content of courses, the university introduced elements of reflection implemented through questioning students at the end of each discipline, assessing students of the quality of teaching the discipline and level of satisfaction. Also, for feedback with students, the university has

established boxes for feedback and suggestions, there is a rector's block on the university website.

The choice of the form and type of independent work of students in each discipline is carried out in accordance with the specifics of the discipline, its goals and objectives, the degree of complexity and relevance, the training level of the student, the complexity of the discipline. Each student is provided with guidelines or recommendations for the implementation of independent work on paper or electronic media.

The current, interim and final control is carried out using various forms and methods of assessing students' achievements - the control is carried out orally, in writing and oral, testing, project implementation, etc. *However, members of the EEC pay attention to the excessive use of testing in the framework of interim control.* The university introduced an appeals system for students in considering their appeals.

Strengths:

- equal opportunities provided for students, incl. regardless of the study language in the formation of an individual educational trajectory aimed at the formation of professional competence;

- research in the field of methods of teaching disciplines.

Weak sides:

- the functioning level of the monitoring system on the progress of the student along the educational trajectory and the students' achievements;

- lack of private research in the field of innovative learning technologies;.

EEC recommendations:

- improve the system of monitoring on the students' progress along the educational trajectory and the students' achievements;

- consider the possibility of research in the field of modern teaching methods and implementation.

Conclusion EEC on standard "Student-Centered Learning, Teaching and Performance Evaluation" the university has 1 position a strong position, 6 positions are satisfactory and 3 positions suggests improvement.

6.7 Standard "Students"

Evidence part

The realized policy of students' admission to Osh Technological University is carried out in accordance with the rules of admission to higher educational institutions of the MES KR (Government Decision of the Kyrgyz Republic No. 256 of 05.28.2011). The university enrolls the students for the bachelors' programs on the basis of general secondary and vocational education, to the masters' degree programs from the graduators of bachelors' and "specialty" programs.

Citizens of the Kyrgyz Republic and people of Kyrgyz nationality who are citizens of other countries, like citizens of the Kyrgyz Republic have the right to get a higher free and paid education at OshTU on a competitive basis within state educational standards, if they get education of this level for the first time. Admission of foreign citizens to OshTU is carried out within the framework of existing interstate agreements, under agreements between educational organizations and with individual citizens.

Table 2. Student Admission Information

2015-2016 academic year			2016-2017 academic year			2017-2018 academic year		
Full time	Part-time	Total	Full time	Part-time	Total	Full-time	Part-time	Total
495	**157**	**652**	**484**	**70**	**518**	**474**	**114**	**588**

As can be seen from the above table, there is no significant increase in enrollment at the expense of increasing in the number of part-time students.

The organization of the admission committee work and the professional orientation of applicants is carried out by the department of vocational guidance and pre-university training; by the executive secretary of the admission committee.

The university provides the training for bachelors and masters degree specialists, and additional training programs.

At the time of the visit EEC, the student body is 4928 students, of which 2472 are full-time students (including 296 on the grant) and 2456 by correspondence.

Indicators of the student body by levels and forms of education for the last three years are presented in the following tables.

Table 3. The contingent of full-time students for the last 3 years

	Cipher	The name of direction / specialist	Number of students		
			2015-16 ac.year	2016-17 ac.year	2017-18 ac.year
	640200	Electrical Power Engineering and Electrical Engineering	157	141	140
	610300	Agroengineering	82	87	82
	640100	Heat power engineering and heat engineering	29	43	29
	710100	Information study and computer facilities	91	101	90
	700200	Information systems and technology	58	54	56
	690300	Infocommunication technologies and communication systems	88	85	67
	531200	Computer Linguistics	106	103	80
	630001	Applied geology	22	54	88
	730100	Forestry and landscape construction	-	15	32
0	511102	Ecology and nature management	20	22	36
1	760300	Technospheric safety	37	42	48
2	610600	Technology of production and processing of agricultural products	56	78	71
3	740100	Technology and food production from vegetable raw materials	13	-	-
4	740700	Technology and design of light industry products	52	47	34
5	570700	The art of costume and textiles	81	62	58
6	630000	Applied geology	67	26	-
7	570020	Design	-	31	55

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8	720100	Chemical Technology	15	12	13
9	580500	Business Information Study	15	-	19
0	580700	Business Management	21	30	25
1	531500	Regional studies	-	-	16
2	540200	Social work	22	33	25
3	580100	Economics	263	169	103
4	580600	Logistics	-	-	14
5	580200	Business Management	-	18	12
6	710300	Applied Information	163	180	180
7	540501	Vocational training	49	57	52
8	570021	Interior and equipment	-	37	60
9	510200	Applied Mathematics and Information Study	59	38	41
0	750002	Construction of railways and transport tunnels	30	26	12
1	750500	Building	299	248	191
2	620101	Applied Geodesy	15	14	-
3	750200	Design of Architectural Environment	192	171	100
4	750100	Architecture	202	216	172
5	750400	Town planning	42	32	27
6	620200	Land management and cadastre	16	15	14
7	670200	Exploitation of transport and technological machines and complexes	12	-	-
8	670300	Technology of transport processes	151	148	146
9	570400	Design	102	119	100
0	640200	Electrical Power Engineering and Electrical Engineering	14	16	25
1	610300	Agroengineering	-	9	13

2	700200	Information systems and technologies	11	12	10
3	690300	Infocommunication technologies and communication systems	-	-	10
4	511102	Ecology and nature management	-	-	9
5	610600	Technology of production and processing of agricultural products	-	-	8
6	710300	Applied Information	-	8	15
7	510200	Applied Mathematics and Information Study	12	8	14
8	750500	Building	-	12	14
9	520500	Cartography and Geoinformation	8	7	29
0	544319	Information Study and programming technology	9	24	21
1	530793	Construction (TEMPUS MAPREE No. 530793)	10	27	16
2	670300	Technology of transport processes		2	
3	552101.02	Exploitation of transport and technological machines and equipment service (by branches)	15	-	-
4	552102.02	Traffic organization and safety	35	-	-
5	550401.01	Communication networks and communication systems	33	-	-
6	552801.04	Computer software and automated systems	48	-	-
7	553201.02	Search and exploration of groundwater and engineering and geological surveys	22	-	-
8	650002.04	Emergency protection	17	-	-
9	560402	Technology of production and processing of agricultural products	14	-	-
0	620006.01	The art of costume and textiles	23	-	-
1	550801.01	Biotechnology	16	-	-
2	553501.01	Environmental protection and rational use of natural resources	10	-	-
3	510201	Applied Mathematics and Information Study	24	-	-

	Cipher	Name			
4	540203	Information	24	-	-
5	540501	Professional training (by branches)	16	-	-
6	650003	Applied Information (in an economics)	12	-	-
7	521603	Finance and credit	56	-	-
8	521604	Accounting, analysis and audit	52	-	-
9	520501.02	Translation and translation studies	28	-	-
0	521502	State and governmental management	11	-	-
1	620001	International Relations	14	-	-
2	551701.01	Power Stations	22	-	-
3	551701.03	Power supplying (by branches)	26	-	-
4	560801.02	Electrification and automation of agriculture	24	-	-
5	521701.02	Design of Architectural Environment	59	37	-
6	550101.02	Industrial and civil engineering	40	-	-
7	550101.09	Building Design	50	27	-
		Total on Osh TU	**3382 Of them on grant study 1158**	**2743 Of them on grant study 822**	**2472 Of them on grant study 696**

Table 4. The contingent of part-time students for the last 3 years

	Cipher	The name of direction / specialist	Number of students		
			2015-16 ac.year	2016-17 ac.year	2017-18 ac.year
	640200	Electrical Power Engineering and Electrical Engineering	157	306	272
	610300	Agroengineering	94	74	106
	710100	Information study and computer facilities	14	13	-
	700200	Information systems and technologies	-	-	19
	690300	Infocommunication technologies and communication systems	111	125	92

0	630001	Applied Geology	-	-	36
4	570700	The art of costume and textiles	83	72	40
6	720100	Chemical Technology	-	15	37
7	580500	Business Information Study	-	-	29
8	580700	Business Management	57	89	122
0	540200	Social work	-	-	19
1	580100	Economics	897	1050	550
3	580200	Management	13	10	-
4	710300	Applied Information	106	79	30
7	510200	Applied Mathematics and Information Study	39	75	101
8	750002	Construction of railways and transport tunnels	21	18	5
9	750500	Building	387	512	560
4	620200	Land Management and Cadastres	-	-	366
5	670300	Technology of transport processes	195	281	72
6	570400	Design	-	25	-
7	521600	Economics	53	-	-
8	552101.01	Automobiles and cars industry	19	-	-
9	552101.02	Exploitation and of transport and technological machines and equipment service (by branches)	42	22	-
0	552102.01	Organization and management of transport (by type)	36	39	-
1	552102.02	Traffic organization and safety	210	99	-
2	550201.01	Management and information in technical systems	14	14	-
3	550401.01	Communication networks and communication systems	76	31	-
4	552801.01	Computers, complexes, systems and networks	56	25	-
7	553201.02	Search and exploration of groundwater and engineering geological survey	23	24	-
9	650002.04	Emergency protection	72	45	-

|					
5	553501.01	Environmental protection and rational use of natural resources	51	23	-
6	553901.01	Technology of clothing	35	15	-
1	510201	Applied Mathematics and Information Study	53	28	-
2	540203	Information Study	61	36	-
3	540501	Vocational training (by branches)	26	14	-
4	521607	Economics and enterprise management (by branches)	50	19	-
5	650003	Applied Information Study (in economics)	67	26	-
6	521603	Finance and Credit	215	100	-
8	521604	Accounting, analysis and audit	223	110	-
9	521501	Management organization	-	26	-
3	521502	State and Municipal Administration	73	39	-
4	620001	International relations	53	-	-
7	551701.02	Electric power systems and networks	99	53	-
8	551701.03	Power supply (by industry)	105	44	-
0	560801.02	Electrification and automation of agriculture	92	54	-
2	550101.02	Industrial and civil engineering	165	84	-
4	550101.10	Expertise and real estate management	17	-	-
5	550102.02	Highways and airfields	40	18	-
6	511100	Ecology and nature management	2	-	-
7	521600	Economics	13	-	-
		Total at OshTU	**4215**	**3732**	**2456**

Analytical part

Thus, there has been a significant reduction in the number of students in both full-time and part-time education over the past 3 years.

Table 5. Students' dynamics at Osh TU for the last 3 years

	Total number of students for the last 3 years		
	2015-2016 ac.year	**2016-2017 ac.year**	**2017-2018 ac.year**

O sh TU	**7597**	**6475**	**4928**
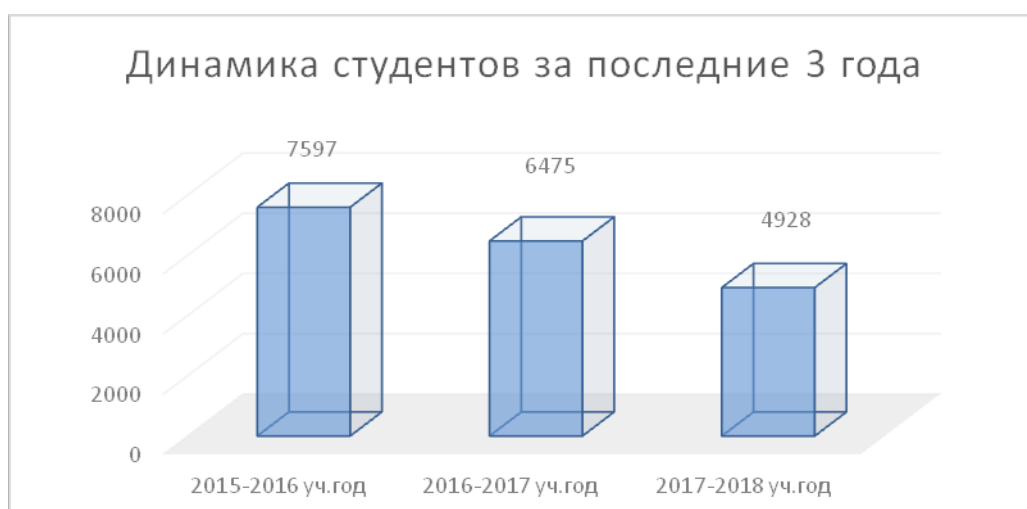
Picture 1. Students' dynamics at Osh TU for the last 3 years

The administration of the university explains the reduction in the number of students by the transition from the training of "specialists" (the term of study is 5 years) to the preparation of "bachelors" (the term of study is 4 years). In 2016, the simultaneous release of full-time education (bachelor's and specialists's) was carried out; in 2017, the simultaneous release of correspondence courses (bachelor's and specialists) was carried out.

At Osh University of Technology, students are regularly questioned: "Through the eyes of students", "About the course of the educational process and examination session", "On the organization and realization of the SAC" (taking the state examinations and protecting graduation qualification works), as well as monitoring the "Assesing of students' knowledge". The results of the conducted sociological studies are analyzed and discussed at the meetings of departments, the Academic Council. Students' achievements are taken as the basis for analyzing the quality of educational services in determining the quality of education, expressed in terms of academic performance.

Table 6. Information about assessment of students' knowledge

	Number	**The name of courses and specialties**	**2015-16 Academic year**	**2016-17 Academic year**	**2017-18 Academic year**
	690300	Info-communication technologies and communication systems	96,5	98,5	100
	710100	Information study and computer facilities	94,7	96,8	100
	710200	Information systems and technologies	93,5	97,2	99,8
	531200	Computer Linguistics	99,1	100	100
	750500	Building	91,2	95,9	98,7
	6	Design of Architectural Environment	92,4	94,	96,8
	750100	Architecture	93,6	97,3	98,5
	750002	Construction of railways and transport tunnels	92,5	96,4	97,8
	640200	Electrical Power Engineering and	93,4	95,1	97,8

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		Electrical Engineering			
0	610300	Agroengineering	98,6	98,9	99,1
1	640100	Heat power engineering and heat engineering	99,5	100	100
2	580100	Economy	100	100	98,7
3	540200	Social work	96,5	99,7	100
4	580600	Logistics	97,5	96,5	93,8
5	580500	Business Information Study	96,5	98,5	99,8
6	580700	Business Management	94,5	97,9	98,7
7	531500	Regional studies	93,8	96,8	99,8
8	510200	Applied Mathematics and Information Study	98,7	100	100
9	710300	Applied Information Study	98,5	100	100
0	550800	Vocational training	94,6	99,8	98,7
1	570021	Interior and equipments	92,2	93,8	97,1
2	610600	Technology of production and processing of agricultural products	99,6	100	100
3	720100	Chemical Technology	94,5	98,6	98,8
4	740700	Technology and design of light industry products	100	100	99,1
5	570700	The art of costume and textiles	100	97,1	99,5
6	760300	Technospheric safety	98,6	99,1	95,1
7	520800	Ecology and nature management	96,5	97,9	98,8
8	520800	Forestry and landscape construction	97,8	99,8	98,1
9	570020	Design	99,8	100	95,7
0	630001	Applied geology	98,8	99,1	97,8
1	670300	Technology of transport processes	96,7	98,5	99,5
2	570400	Design	92,4	98	98,5
		Total for the University	**96,3**	**98**	**98,5**

As shown in the above table, student performance over the past 3 years remains stable, there is a slight increase compared with the 2015-2016 academic year.

University students participate in academic mobility programs in accordance with existing international agreements with countries of China, Germany and Korea.

Table 7. The number of the participant students in academic mobility

Type of mobility	2015-2016	2016-2017	2017-2018
Students			
Internal	17	27	36
External			6
Masters			
Internal		4	2
External		-	-

Analysis of quantitative indicators of academic mobility of students shows a significant increase in external academic mobility over the past 2 years.

In order to develop career growth of students at the university in 2004, the career center of OshTU was created that was the winner of the contest conducted in 2012, by the EDNET Educational Association was recognized as "The Best Career Center - 2012" and awarded 1st place among Kyrgyz universities.

The center provides consulting support the students and graduates, conducts seminars, master classes, etc. It implements purposeful work to promote and monitor the employment of graduates.

Table 8. Information on the employment of graduates (full-time education)

Level of specialty of full-time department	2014-2015			2015-2016			2016-2017		
	Number of graduates	Of them are employed	Employment, %	Number of graduates	Of them are employed	Employment, %	Number of graduates	Of them are employed	Employment, %
Bachelor	39	53	6,9%	55	97	3,5%	66	29	5 8,1%

OshTU students annually participate actively in the Regional Student Olympiad on subjects.

Table 9. Results of the Regional Student Olympiad in subjects (2015-2017)

Regional Student Olympiad (RSO)	Total number of participants	Number of participants, are taken 1st place	Number of participants, are taken 2nd place	Number of participants, are taken 3rd place
2015г., IV	140	8	12	16

	RSO (Osh KUU)				
	2016г, V RSO, (Batken State University)	122	6	16	21
	2017г.,VI RSO, (Djalal Abad UEE)	79	-	11	6
	2018г., VII RSO, (OHPI)	89	6	7	3

In 2017 at the VI Republican Olympiad, a student of group E (BEJA) -14 OshTU Bekmurzaeva Aymerim took the 3rd place on accounting, analysis and audit among universities of the Kyrgyz Republic.

In 2017, students of OshTU Biymamat uulu Ulankadyr g.EiP-14, Avazbek uulu Akbura g.EiP-14 Anarbaev Ernst g.GSMP-14 participated in the National Olympiad on Integrated Water Resources Management in Central Asia, organized on the basis of the KRSU by the Kazakh-German University, as a result Ernst Anarbaev passed the third round of the Olympiad, recognized one of the top 10 students on the water issue.

In April 2017, OshTU student of group IVT-1-15 Akysh uulu Nurseit participated in the International Olympiad in computer graphics, held in Novosibirsk, Russia.

Students of group IVT-1-15 Ermekov Nursultan and student of group IVT-1-16 Aslanbek uulu Taalaibek in March 2018. participated in the International Olympiad IT-Planet, organized by the Ministry of Education and Science of the Russian Federation and the Presidential Grants Fund.

April 17, 2017 OshTU students of the GSPM-14 group Anarbaev Ernst and Eldiyar uulu Adilet took the III place in the International competition "We are intellectuals of the XXI century" organized by the Ministry of Education and Science statuette. They presented a development on the topic "Technology of mining waste processing into building products" (stone concrete) in the nomination "New theoretical developments and models".

A student of the Energy Faculty of the EOIET-16 group, Maxsytov Abdulaziz, was awarded a diploma for the best scientific report at the International Forum of Students, Master Students and Young Scientists, organized by the Kyrgyz-Russian consortium of technical universities.

The student of the group GSM-14 Eldiyar uulu Adilet has taken the 1st place in the Republican essay "Intellectual Property – by Student's Eyes", organized by the State Service of Intellectual Property and Innovation under the Government of Kyrgyzstan (Kyrgyzpatent) in October 2017. Awarded with a cash prize and a diploma.

Strengths:
- the availability of an adequate policy of forming of students contingent;
- the availability of functioning student government bodies and clubs of interest.
Weak sides:
- insufficient level of development of academic mobility of students, limiting the number of partner universities;
- poor orientation of educational programs content to the requirements of professional certification agencies;
- an insufficient percentage of students participating in external and internal academic mobility;

EEC recommendations:

- to work on the organization of cooperation of the university with other educational organizations and national centers of ENIC / NARIC in order to ensure comparable recognition of qualifications, professional certification of students in accordance with the Lisbon Recognition Convention;

- to improve the content of the EP with regard to the requirements of certification agencies (including foreign agencies);

- to activate the work on the academic mobility of students and the invitation of students and undergraduates from abroad;

- to improve the system of support and monitoring of students in the framework of employment and career growth;

- to expand the work spectrum of the information technology use in the educational process (including the MEP).

Conclusion EEC on standard "Students" the university has 1 position a strong position, 6 positions are satisfactory and 5 positions suggests improvement.

6.8 Standard "Teaching staff"

Evidence part

The teaching staff of the University carries out its activities in accordance with the labor code of the Kyrgyz Republic, the University Charter, individual labor contracts. At the time of the EEC visit to the university, the total number of workers was –772 people, of which the teaching staff is - 326, of whom the teachers are 163, the senior teachers are 109; candidates of science - 142; Doctors of Sciences - 21; AMP - 104; TSS -117. The total number of employees of the technology college is 155 employees and the Uzgen Institute of Technology and Education is 76 employees.

Table 10. Information about employees (total number, including teachers, senior teachers, assistant professors, professors, including candidates of sciences, doctors of science, AMP, TSS)

Total number	Teachers	senior teachers	Assistant professors		Professors		MP	E	SS
			candidates of sciences	Assistant professors OshTU	doctors of science	Professors of OshTU			
72	63	09	6 [10]	36	9 [1]	2	04	16	17

Analysis of the quantitative and qualitative number of university employees shows a significant number of AMP and TSS workers. The share of the faculty with academic degrees and titles of the total number of full-time teachers is 41.2%. The teaching staff with university experience more than 10 years consists of 63%.

The training and support staff includes junior service personnel - 110 people, administrative and management personnel - 77 people. The university has: 1 - Honored Scientist; 3 - Honored Education Worker of the Kyrgyz Republic; 2 - Honored Worker of the Geological Service of the Kyrgyz Republic; 1 - Academician of the Kyrgyz Republic; 4 - academicians and correspondents of branch academies; 80 - OshTU teachers received the badge "Excellence in National Education of the Kyrgyz Republic".

In order to increase the number of employees with advanced degrees, the administrative of the university is working to encourage and support teachers in obtaining academic degrees.

Table 11. Dynamics of theses defense by teacher

Years	Total dissertations defended	Of them	
		Doctoral	Candidate
2014	8	1	7
2015	9	2	7
2016	7	1	6
2017	8	1	7
Total:	**32**	**5**	**27**

Analytical part

32 dissertations for candidates and doctors of science were defended by university employees for the last 4 years, which ensures a positive growth of specialists with advanced degrees.

Joint work is carried out with the heads of departments, on the selection and placement of personnel on the basis of an assessment of their qualifications, personal qualities, and monitoring the compliance of the workers' qualifications to the requirements of their positions at the university departments. The organization of certification of university employees, its methodological and informational support was organized.

The constant work on the organization of advanced training courses is carrying out at the university:

1. **In 2015, 324 employees completed the advanced training courses**. On the topic: "Modern technologies of teaching in higher education; Bologna process and credit technology; the use of ICT in the educational activities of the university "; on the topic: "Distance learning in higher education"; courses on computer graphics program AutoCAD.

2. In 2016, 349 employees completed the advanced training courses. On the topic: "New technology of education in the system of vocational education"; on the topic: "Improvement and features of the use of the AVN information system in the educational process of Osh Technical University"; courses on the computer graphics program AutoCAD; on the topic: "Competence-based approach in the system of professional education of universities of the Russian Federation; economic development; on the topic: "Theoretical basis of the economy in transferring period."

3. In the 2017-18-year -338 employees completed the advanced training courses. On the topic: "Innovative technologies in higher education. The peculiarities of IS AVN in the educational process usage. Electronic learning system (e-Learning) and its peculiarities; on the topic: "Information technology in education" 30-hour program; on the topic: "The formation of teacher in the condition of the credit technology"; The joint trade union committee of Osh Technical University represents the interests of employees, teachers and students in the field of labor, life, leisure and culture.

The joint trade union committee of Osh TU consists of 2024 members.

Strengths:

- the availability of a visible personnel policy of the university based on the competitive replacement of vacant positions;

- the accessibility of university administration for teaching staff members.

Weak sides:

- an increase in the average age of teaching staff of departments, low level of involving young professionals;

- insufficient support system for young university specialists.

- insufficient level of academic mobility of teaching staff of departments.

EEC recommendations:

- to update and add the available information of the TS departments posted on the university website;

- to increase the number of enterprises' practitioners in involving to the educational process;

- to activate the work in increasing the number of teaching staff participation in academic mobility programs.

The EEC notes that by 8 criteria it is satisfactory and by 4 criteria it implies improvements.

6.9 Standard "Research work"

Evidence part

The policy of OshTU on the development of scientific research work is defined in the plans of the university strategic development, the work plans of the university departments and it reflected in the mission and vision of the university.

By the administration and departments of the university the corresponding plans for the realization of the strategic goals of research activities development are implemented.

At Osh Technological University annually the Regional Student Scientific and Practical Conference "Science and Student" is held, they devoted to various themes. On April 24, 2016, the Regional Scientific-Practical Conference "Science and Student-2016" was held, about 806 students participated and made reports at 39 sections. In 2017, on April 26, the Regional scientific-practical conference "Science and Student-2017" was held, about 882 students made reports at 45 sections. The students of OshTU annually actively participate in the Regional Student Olympiad (RSO), as well as in various exhibitions, competitions, and conferences.

Table 12. The information about the students' participation in conferences, contests and competitions

cademic years	Number of students					
	In university conferences	Winners	In conferences of other universities	Winners	In competitions, olympiads	Winners
015	630	139	33	9	148	39
016	705	143	42	12	129	47
017	802	148	51	15	84	21

As shown in the table about the students' participation in conferences, contests and competitions that it shows a positive trend in the growth of the student's participation activity of in scientific events. However, the students' participation in the performance of the studennts' research works over the past 3 years has decreased.

Table 13. Information on the participation of students in SRW

Academic years	Number of students		Student participation in SRW	
	Full-time		Number of	In % full-time

	education	students, participated in SRW	education contingent
2015	3382	663	19,6
2016	2743	747	27,2
2017	2472	853	34,5

In the frame of the research activities of the teaching staff, there are received security documents.

Table 14. Patent and licensed work of the faculty of Osh Technical University for 2015-2017

	scientific product	No. of patent or copyright certificate	date of issue	authors
	Calculation of drainage trays of highways taking into account of their real functioning	Author's certificate of the Kyrgyz Republic No. 2655	24.03.2015	Marufiy A.T., Abdujabarov A.H., Jalaldinov M.M.
	Determination of the ground bulk weight by a seismometrical method.	Author's certificate of the Kyrgyz Republic № 2629	03.06.2015	Jalaldinov M.M
	Investigation of seismic resistance of load-bearing elements of reinforced concrete columns and walls in emergency situations.	Author's certificate of the Kyrgyz Republic №2660	21.07. 2015г.	Seitov B.M. Ordobaev B.S.
	Two-level water activator (DAV-1)	Author's certificate of the Kyrgyz Republic №1769	31.07. 2015г.	Satybaev A.T., Akimov A.
	The production law of thermal energy on the basis of electrophysical ionization of liquids (EIL)	Author's certificate of the Kyrgyz Republic № 2187	25.07. 2015г.	Akmatov B.Zh.. Tashpolotov Y.
	A device for generating effective thermal energy from liquid on the basis of electrophysical ionization (EPI)	Patent №1824 Kyrgyz patent	29.01.2016	Akmatov B.Zh. Tashpolotov Y.
	Mathematical modeling of an infinite beam bending problem on a two-parameter elastic foundation with one section of incomplete contact with the base.	Kyrgyz patent Cert.№ 2450	31.10.2016г	Aitiev M.A. Marufiy A.T., Rysbekova E.S., Egenberdieva A.A.

	Calculating basis of linear transport structures on a deformable base with a local area of weakened contact interaction between them.	Kyrgyz patent Cert. №2451	31.10.2016г	Marufiy A.T., Tsoy A.V., Jalaldinov M.M.
	software programs for convenient selection of water wheel parapets	Certificate № 414. Application registered in the state register №20160015.6	July 21, 2016	Satybaldiev A.B., Matisakov. T.K.
0	Electromechanical perforators with impact-rotary mechanism	Eurasian Patent № (21) 201501118 (13) A1	The date of publication 31.05.17 The date of application 23.11.15	Abdraimov E.S., Abidov A.O., Ismanov O.M.
1	«Creation of technology for obtaining thermal energy based on metal-thermal substances»	Kyrgyz patent №3201	18.09.2017	Tashpolotov Y., Kydyraliev T.A., Ismanov E.M., Abdaliyev U.K.
2	Physico-chemical energy of silicon silicate »	Kyrgyz patent №2468	13.10.2017	Baymuratova G.A., Omurbekova G.K.
3	Stress-strain condition of an endless slab lying on an elastic Winkler base, taking into account the influence of various longitudinal forces applied in the middle plane of the slab and incomplete contact with the base, in the form of one trench located in the central part under the slab along the Y axis.	Author's certificate №3214	20.10.2017г.	Marufiy A.T., Rysbekova E.S.
4	The calculation of the endless slab on an elastic base, taking into account the influence of longitudinal tensile and compressive forces in two directions along the X and Y axes and incomplete contact with the base, in the form of two trenches located under the slab symmetrically about the Y axis	Author's certificate № 3215	20.10.2017г.	Marufiy A.T., Rysbekova E.S.,
5	Calculation of an infinite beam on a two parametric elastic base with one section of incomplete contact with the base under the action of an skew-symmetric load	Author's certificate № 3213	20.10.2017	Marufiy A.T., Egenberdieva A.A.
6	Geodesic projections for geo-engineering works in mountain areas	Author's certificate №448	10.03. 2017	Abjaparova D.A.

Institute of Applied Sciences of Osh Technological University. M.M. Adyshev was founded in 2000, in its activities is guided by the Charter of Osh Technical University and is engaged in the development of scientific projects of the Education and Science Ministry on a competitive basis.

The management of the Institute of Applied Sciences (IAS) is carried out by the director, the IAS is an independent structural subdivision for leading internal organization and regulation affairs, planning scientific, production, economic, financial and other activities, determining the main future development. The Institute is funded on a competitive basis by the Education and Science Ministry of the Kyrgyz Republic.

There are 3 full-time employees at the IAS; annually on subcontracts temporary labor groups of 50–100 or more people are recruited who do scientific projects.

Table 15. Indicators for the SRW IAS for 2015-2017

	Name of the units on IAS	Years		
		2015	**2016**	**2017**
.	The total number of performed topics on the IAS	1	3	4
.	Of them: number of environmental topics		2	2
.	Of the total number of topics: - applied - fundamental	1	1	2
.	Overall volume financing, thousand soms	645,1	1079,0	1576,1
.	Salary fund, thousand soms	345,1	795,0	1025,0
.	Number of employees, people	11	36	42

In 2014 the execution of the Government Decree (March 23, 2012 No. 201 "On Strategic Directions for the Development of the Education System in the Kyrgyz Republic"), and an order of the Ministry of Education and Science of the Kyrgyz Republic, scientific laboratories were created at the IAS:

• research computing laboratory (the head of the laboratory is Professor Marufiy A.T., Doctor of Technical Sciences,).

• Laboratory of Climate and Land Use Problems (Head of the Laboratory, Prof. OshTU Dzhaparova Sh. Dzh.Candidate of Chemical Sciences) since 2017.

The scientific laboratories will ensure the activation of the research work of the university teaching staff on science issues and the introduction of innovative approaches, the interrelation of all levels of education, and improvement of staff professional qualification on relevant issues.

The results of research and development on the basis of extra-budgetary funding (grants, economic agreements, etc.):

1. By order of Tuzbel-Tash LLC, a techno-working project was developed for working out plots No. 17 and 21 of Sary-Tash shell limestone deposits. The project received an expert opinion on environmental and industrial safety and conservation of mineral resources, protected

at a meeting of the commission of the State Agency for Geology and Mineral Resources under the Government of the Kyrgyz Republic (department of GM, responsible Docent Kaldybaev N.).

2. By the order of LLC "Moldosh" preliminary geological and exploration work was carried out at the granodiorite deposit.

3. Experimental project of compaction of subsiding soils by the hydraulic blasting method for the object "Reservoirs for water in the Ken-Say massif in Osh" LLC "Musai" 2015.

4. Innovation and construction project "Compaction of loess subsiding soils base using the explosion method at the object "Water supply of the Ken-Sai residential area of the 2nd construction stage (water supply and reservoir) in Osh "LLC" Ablai "2016.

5. Constructions of fire-prevention walls made of bricks and local ground materials for extensions to residential buildings in areas with seismicity of 9 points "LLC" Ay Kut" 2016

6. Expert conclusion on "Establishing possible causes of damage to the structural elements of the compartment of a 60-apartment residential building No. 16 in the city of Anar, Osh city and evaluation of its current technical condition" DIA-S LLC, Osh Mayer, KR State Architecture, 2016.

7. Innovation - construction project "Installation of a soil foundation by the method of pre-soaking soils with subsequent deep explosions (hydraulic blasting method of soil compaction) for the object: Reservoirs for water under the project" Construction of engineering infrastructure Sary-Kolot area (Besh-Ui village) of the Ak-Tash rural management Karasu district of the Osh region. Water supply "LLC" Musai "2015

In 2016, together with LLC "Moldosh" conducted a geological study of the Shakhdar granodiorite deposit, located in the Chon-Alai district of the Osh region (responsible: N. Kaldybaev). Topographic and geodetic works were carried out on an area of 30 hectares, parameters of massif fracturing were studied, and an experienced quarry was completed with an area of 80 square meters and a depth of 6 meters. In the reporting year, field and laboratory research work was carried out in the amount of 120 thousand som.

By order of the LLC "Bozbu-Ata" in 2016, a draft reclamation of the Northern Kyzyl-Bulak coal deposit, located in village Kashka-Suu of Alay district (the amount of contractual work for 20 thousand som) was prepared.

During 2014-2015, the Grant Program on the topic ofImproving the skills of scientists and engineers in Osh was realized at Osh Technical University. An application has been prepared for the Grant Training Skills Program for Scientists, organized by the CRDF Global Program and won a grant of $ 2000). The goal of the project is to develop the professional skills of young scientists, graduate students and engineers in publishing research results and preparing applications for participation in various programs and grant competitions in the scientific and technical areas. With the help of this grant, a training seminar was held with the participation of Osh, Kyzyl - Kiya universities of the city, as well as 3 research institutes of the Southern branch of the Kyrgyz Republic National Academy of Sciences. The contingent of participants was represented mainly by graduate students and young scientists under the age of 35, the number of participants was 60 people. The grant was awarded by the CRDF Global Technology Entrepreneurship Foundation (USA, coordinator Dr. Charles Dunlap).

The University cooperates with the foundation for the support of Technology Entrepreneurship CRDF Global (USA, coordinator Dr. Charles Dunlap). The laboratory staff collaborates with the Association of Non-Profit Organizations of Tomsk Consortium of Scientific-Educational and Scientific Organizations (Tomsk, RF, Chairman O.S. Babkin).

Scientific and technical links are maintained with the Russian State Geological Survey University (MGRI-RGGRU) (rector Professor V.I. Lisov and Tomsk National Research University (rector professor P.S. Chubik). Scientific internships and joint publication of scientific papers are carried out. Cooperation agreements are signed.

Analytical part

OshTU annually participates in the Southern Economic Forum and works on the section "Construction and Communications". About 20 investment projects were prepared for implementation.

Table 16. Information about CRW financing

Indications	2015	2016	2017
The full amount of research funding (thousand soms):	2519,1	4493,1	3939,8
-on state budget	645,1 thousand soms	1079 thousand soms	1576,100 thousand soms
- by contract	40,0	205,0	-
- University own funds	459,9	521,0	539,3
International	914,3	2167,2	1275,0
- The full amount of trip funding TS and students on research	390,9	442,8	458,4
	68,9	78,1	88,0

Training the scientific and scientific-pedagogical staff at Osh Technological University (OshTU) is implemented through postgraduate department. The postgraduate department of OshTU is guided in its activities by the Regulation "On the Training of Scientific-Pedagogical and Scientific Staff in the Kyrgyz Republic" (approved by Order of the Education and Science Ministry of the Kyrgyz Republic, Higher Attestation Commission of the Kyrgyz Republic, National Academy of Sciences, November 9, 1995 No. 8c / c-3/2 " Regulation of the Higher Attestation Commission of the Kyrgyz Republic, approved by the Government of the Kyrgyz Republic, August 22, 2012 No. 578, regulatory provisions of the Kyrgyz Republic, the Charter of Osh Technological University and other internal provisions of the university. Preparation of post-graduate students at Osh Technological University is carried out in accordance with the existing The nomenclature of specialties of scientific workers of the Kyrgyz Republic is "Approved by the Presidium of the Higher Attestation Commission of the Kyrgyz Republic on November 25, 2010 No. 8-4 / 10.NOMENCLATURE of the specialties of scientific workers." Admission to postgraduate studies is carried out on the basis of budgetary and contractual funding for places allocated by the Ministry of the Kyrgyz Republic.

Together with the departments of the university, the Postgraduate Department of OshTU trains 23 specialties on:

Mechanics-2

03 - Ecology - 1

 05 - Technical - 10

06 –Forestry – 2

07- International relations -1

08 - Economy -2

10 - Philology – 2

13 - Pedagogies - 2

18 - Architecture - 1

Now OshTU trains 44 students, 12 of them are in full-time, 32 are in part-time education. To work on doctoral theses 16 aspirants are charge of post-graduates.

7 professors defended Doctoral dissertations in 2017 who completed postgraduate courses at Osh Technological University, a doctoral thesis was defended by 2 people. In 2018, 4 aspirants of Osh Technological University defended their Candidate thesis (Alisheva P. Artykbaeva S.), Momunov Umetbek Nasirdinovich and Baatyr uulu Altynbek got the approval for the academic degree of Candidate of Economic Sciences HAC KR in March 2018. In 2018, two doctoral students of Osh TU had pre-defense of a doctoral dissertation: Sattarova Aziza, the Head of Department "Kyrgyz and Russian Languages" for the degree of Doctor of Pedagogical Sciences and doctoral students Tanakov Nurlan Proffessor "TPAF" for the degree of Doctor of Agricultural Sciences. At present 47 academic advisers supervise over the thesis works of graduate students, they are: 31 doctors, 16 candidates of science.

Table 17. Dynamics of teaching staff of Osh Technical University, defended candidate and doctoral dissertations

Years	The number of teaching staff who defended their thesis	The number of teaching staff who defended their doctoral thesis
2015	8	2
2016	7	1
2017	7	2
Total	**22**	**5**

At OshTU by the decision of the Higher Attestation Commission of the Kyrgyz Republic No. 34, 06.06.2014. (co-founders: Issyk-Kul State University named after K. Tynystanov MES KR and the Institute of Walnut and Fruit Crops, South Kazakhstan National Academy of Sciences) the Dissertation Council of K.03.14.492 is opened for the defense of PhD theses for the candidate of biological sciences in the field of: 03.02.08 - "Ecology", 06.01.11- "Plant Protection" and 06.03.02- "Forest Studies, Forestry and Forest Taxation" http://ds.oshtu.kg/ 12 PhD theses have been defended and 10 of them approved by the Higher Attestation Commission of the Kyrgyz Republic. 5 staff of OshTU are in the list of the Council.

In November 2016, at Osh TU named after M.M. Adyshev (co-founders: Southern branch of the National Academy of Sciences of the Kyrgyz Republic, Academy of Sciences of the Republic of Tatarstan, Tajik Agrarian University named after Sh. Shotemur, Issyk-Kul State University named after K. Tynystanov) was opened the Interstate Dissertation Council D 06.16.540 for thesis defense for the candidate (Doctors) of Biological Sciences in the field of specialties: 06.01.07 - Plant Protection; March 6, 2002 - Forest science, forestry, forest management and forest inventory; 03.02.05 - Entomology; 03.02.08 - Ecology (by industry); 03.02.11 - Parasitology. http://doctors.oshtu.kg/. There are 3 staff members from Osh TU in this council. 1 doctoral and 8 candidate's theses were defended, and approved by the Higher Attestation Commission of the Kyrgyz Republic - 1 doctoral and 3 candidate dissertations, the rest are on the consideration of the Higher Attestation Commission of the Kyrgyz Republic.

13 scientists of Osh TU are members of dissertation councils for defending candidate and doctoral dissertations, and such scientists as Academician of the National Academy of Sciences of the Kyrgyz Republic, Dr. Sc. Professor Toktoralaliev B.A., Doctor of History, Professor B. Nurunbetov, Doctor of Technical Sciences, Professor Seitov B.M., Doctor of Economics, Docent Uzenbaev R.A. They are members of expert councils of the Higher Attestation Commission of the Kyrgyz Republic.

The Department of Science of Osh TU holds annual international, republican, regional scientific and practical conferences for teaching staff, scientific and practical student

conferences, scientific and pedagogical readings for graduate students and young scientists, scientific seminars, round tables on current issues, etc. So, during 2012-2017. Osh Technical University held more than 9 conferences, including 5 international, 4 regional, 63 round tables, 66 seminars. They are:

June 8-9, 2012 the International Scientific and Practical Conference "Science, Technology and Actual Problems of Technology";

December 11, 2012 International Scientific and Practical Conference "Mountains and Climate";

October 2-3, 2014 International Scientific and Technical Conference "The current state, the directions of development of engineering equipment and technology" 2015;

November 27-28, International Scientific and Practical Conference "Innovative Technologies for Solving the Problems of Integrated Development of Mineral Resources and Sustainable Development" dedicated to the 215th anniversary of the prominent public and political figure Alymbek Datka Asan Biyulu and 100th anniversary of Academician M.M. Adyshev.

November 26, 2016, International Scientific and Practical Conference dedicated to the Year of History and Culture of the Kyrgyz Republic and the 70th anniversary of a public figure, honored teacher of the Kyrgyz Republic, Doctor of History, Professor B.A.Nurunbetova.

October 20, 2017, Republican scientific-practical conference dedicated to the 75th anniversary of the professor Sarybay Akmatovich Akmatov, the department "Construction manufacture".

Table 18. Publication activity of teaching staff

Indicators	015	016	017
The number of publications on the portal elibrary.ru	50	02	35
The number of publications в РИНЦ	35	24	86
The number of publications, included to the main part of RISC			
The number of articles in the scientific journals	25	00	54
The number of articles in the scientific journals included in Web of Science or Scopus			
The number of articles included the scientific journals RSCI			
The number of articles in the scientific journals included in the reference of HAC	0	6	
Numbers of monographs			
The number of articles with the participation of foreign authors			1

Average impact-factor of journals, where the articles have been published	,120	,114	,139

Strengths:
- the availability among the teaching staff involved in the implementation of individual research projects and participating in projects carried out on the basis of third-party organizations;
- high publication activity of teaching staff in Russian scientific journals.
Weak sides:
- insufficient activity in investigating the researches together with foreign scientists and universities;
- insufficient number of articles in journals with non-zero impact factor;
EEC recommendations:
- initiate joint research projects with foreign partner universities;
- develop and implement an effective system for motivating the development of research and activities of teaching staff;
- to carry out work on the coordination of the strategy for the development and running financial flows.

Conclusion EEC on standard "Research Work" the university has 1 a strong position 5 satisfactory positions and 4 are suggests improvements.

6.10 Standard "Finances"

Evidence part
The financial policy of Osh Technological University is aimed at the implementation of strategic plans, the mission of the university, the goals and objectives of educational programmes.

At OshTU, financial planning is carried out in accordance with strategic and operational planning. Operational planning is realized by adopting the annual budget of the university at the University Academic Council. For the development and coordination of the budget of the university all stakeholders - students, teachers, heads of departments participate. Heads of structural divisions participate in the development of the budget by submitting appropriate applications for the acquisition of the required material and technical means, teachers discuss draft budgets at department meetings. One of the important conditions for the economically sustainable development of the University is an organized structure with distribution of functions and by consolidation of rights and responsibilities.

In accordance with the developed procedure of budget approval, the project is reviewed at a meeting of the Finance Committee and the Academic Council of the University. The membership of the financial committee includes university administration, heads of departments, representatives of the teaching staff. At financial committee meetings, financial risks are assessed and decisions are made that provide possible options for action. External audits are also conducted by the Territorial Division of the Accounts Chamber of the Kyrgyz Republic on Osh city, Osh, Jalal-Abad and Batken Oblasts (order No. 01-06 / 258 of September 14, 2017) by the Tax Inspectorate of MSTS Osh (order No. 1172/032 of 17.01. 2017), by the prosecution, (order "No. 4 of 01/24/2017), State Agency of Antimonopoly Regulation under the Government of the Kyrgyz Republic (order No. 16/91 of 10.10.2017), Osh City Social Fund Administration (order No. 151 of 04.10.2017.).

The main sources of funding for Osh TU are the republican budget and funds received from the provision of educational services on a fee basis. Financial sources received from research and other activities consist of an insignificant part.

By the university carries out internal and external audits on an ongoing basis, a financial report is submitted to the MES KR. Financial and economic activities are carried out in accordance with the documents approved by the Ministry of Education and Science of the Kyrgyz Republic and agreed with the Ministry of Finance of the Kyrgyz Republic. All financial transactions are carried out through the treasury and approved by the rector of Osh TU.

Table 19. Planning of university expenses for school years

Код статьи	Item of expenditure name	Academic years		
		2014-2015	2015-2016	2016-2017
2111	Salary	92233,2	104250,0	105000,0
2121	Allocation to the social fund	15910,2	17983,2	18112,5
2211	Utility fee	3014,1	6014,1	2600,0
2212	Fee for community services	1500,0	1500,0	1400,0
2213	Premises for rent	500,0	500,0	500,0
2214	Hiring and keeping vehicles	1600,0	1600,0	1600,0
2215	Acquisition of other services	3300,0	3300,0	2000,0
2218	Acquire products. Food	1000,0	1200,0	1200,0
2221	Expenses for current repairs	10798,7	8000,	8000,0
2222	Acquire an item for an economic purpose	26010,0	18000,0	12000,0
2225	Purchases security services	250,0	250,0	250,0
223	Utility fee	5909,0	8722,8	7000,0
3111	Buildings of the structure	32200,0	1790,2	4000,0
2215	Machinery Equipment	18250,0	7039,8	8537,5
	Total	162025,2	171320,1	159662,5

Analytical part

The following table covers all activities of the university. At the same time, there has been a decrease in the expenditure side of the budget over the past 3 years, while the revenue part of the university budget has increased.

Table 20. University Revenue Planning

№	Item of expenditure name	Academic years		
		2014-2015	**2015-2016**	**2016-2017**
1	Balance at the beginning of the year	50042,3	42693,8	39848,2
2	Flow of the current year	162432,9	164887,0	172200,0
	Total	162432,9	164887,0	172200,0

At the same time, the revenue part has not changed significantly over the past 3 years.

Table 21. University income

	Item of expenditure name	Academic years		
		Actual income		
		2014-2015	2015-2016	2016-2017
	Balance at the beginning of the year	50042,3	42693,8	39848,2
	Flow of the current year	163076,5	164847,4	168639,2
	Total	**163076,5**	**164847,4**	**168639,2**

The largest amount of budget expenditures is the staff cost payment of university employees. In 2015, the university increased salaries by 20%, in 2016 by 10%, in 2017 by 10%.

Table 21**.** The dynamics of wages of university staff

	Indicators	Academic years		
		2014-2015	**2015-2016**	**2016-2017**
	Average teaching staff cost at the university	10359	11473	11929
	AMP	12728	15300	17716
	AAP	7590	7943	8290
	EP	5316	5565	6906

In order to improve the material and technical base of the university, the teaching and methodological support of the university over the past 3 years has been allocated - 17,608,300 soms.

Table 22. Capital investments for the period 2014-2017. (thousand soms)

Designation	2014-2015	2015-2016	2016-2017
Office equipment acquisition	289,9	908,4	840,3
Acquisition of other furniture and equipment	530,8	549,6	21,2
Acquisition of teaching aids, textbooks and books	921,4	280,3	761,6
Computer equipment acquisition	1458,8	3128,9	1858,2
Furniture	3068,9	1904,2	1085,8
Total	**6269,8**	**6771,4**	**4567,1**

Strengths:
- financial sustainability of the university over the past 3 years.
Weak sides:
- weak coherence of the university's development strategy with the university's financial planning documents;
- the absence of additional financial sources of university profits, except for educational services;
- weak financial autonomy and sustainability of university structural divisions.

EEC recommendations:

- to carry out work on the coordination of the strategy for the development and running financial flows;

- to increase the financial autonomy and sustainability of university structural divisions.

Conclusion EEC Standard "Finance" the university has 1 a strong position, 5 satisfactory positions.

6.11 Standard "Educational Resources and Student Support Systems"

Evidence part

The university's material and technical base and infrastructure meet the licensing requirements for higher education institutions. The university has educational and laboratory buildings, language centers, a multimedia information and computer center, training grounds, an electronic library, reading rooms, language laboratories, computer classes, a Students' House, gyms and playgrounds, a gym, a stadium, catering facilities, cultural aesthetic center, youth committee, career center, etc.

The university has 4 teaching and laboratory buildings, a Students' House:

- Educational and laboratory building number 1 (area 5870.3 m2);
- Educational and laboratory building № 2 (area 8406.7 m2);
- Educational and laboratory building number 3 (area of 7220.0 m2);
- Educational and laboratory building of the Technological College (area 932.0 m2);
- Students' House (area 3907 m2).

The material base, that is in full economic management (own) for the implementation of statutory goals and objectives:

- educational and laboratory buildings with an area of 42191 m2;
- total area of sports facilities - 10906 m2;
- total area of residential buildings - 3907 m2;

Table 23. Educational base of Osh Technical University

Building	Cons truc-tion year	Total area of the building in м^2	Training are, in м^2	Carrying value, in soms	Training faculties on specialty
1	2	3	4	5	6
Training campus №1 Isanov Street 81	1985	5870,3	5704,0	737200	All specialties
Training campus №2 Isanov Street 83	1985	8406,7	5500,0	737200	All specialties
Training and laboratory campus Isanov Street 81a	2001	7220,0	4501,44	25796000	All specialties
Students' House, Isanov Street 86	1988	3907	672,0	346000	
Training campus Isanov Street 35a	2010	932,0	701	10000200	All specialties

Health Center	1994	246	-	90 000	All specialties
by Contract					
South-Kyrgyz geological expedition, 184 Yuzhnaya Street		1232,0	724,6		Applied geology
Kyrgyz GISR, 224 K.Datka Street			80		Applied geology
CUNR (Complex Use of Natural Resources) Nagornaya Street			180		Applied geology
Southern Center for Standardization, Certification and Licensing in Construction, 106 Zainabetdinova Street			108		Building
JSC PLUAD -2			160		
JSC «Maksat», 3 Gogol Street			108		TT
Regional STI, Navoyi Street			70		TT
PTE -2 Gulchinskaya Street			60		TT
JSC «Argymak», Navoyi Street			80		TT
JSC «Symbat», 50 Kyrgyzstan Street			54		T&CD, CDT
Dressmaking « Ayperi»			54		CDT
Regional Tax Inspectorate, 289 Lenin Street			126,0		Economics
Financial Management, 287 Lenin Street			96		AIE
Osh regional branch of JSC «Kyrgyztelecom», 422 Lenin Street			86		ICT NW
CTS, Lenin			46		ICT

Street					NW
MTR 1			74		CT

In the educational process, 816 PC units are used in 34 computer rooms, that is 77% of the total number of computer equipment at the university. And besides computer rooms, for arranging training process other technical equipment (a projector, a laptop, a screen for the proctor) 159 classrooms are equipped with teaching aids, including: 100 classrooms in the university's academic buildings used by lecturers for presentations in lecture classes, seminars, conferences, course papers defending and for diploma papers. Recently a multipoint video conferencing server based on the Adobe Connect technology has been widely used, which has significantly expanded the capabilities of distance learning and communication technologies: conduct lecture classes online, record video lectures with the ability to listen to offline at any convenient time.

The goals of network security can vary depending on the situation, but the main goals are usually five:
• Data integrity.
• Confidentiality of data.
• Data availability.
• Technical threats
    •   Human factor

According to losses statistics the lion's share is taken by losses from crimes committed by own unscrupulous staff members that organizations have from various computer crimes. However, lately there has been a clear tendency of increasing losses from external intruders. In any case, it is necessary to provide protection against both disloyal personnel and those able to penetrate your network of hackers. Only an integrated approach to information protection can inspire confidence in its security.

However, because of the limited volume of this article, we will consider only the main technical methods for protecting networks and information circulating over them, namely cryptographic algorithms and their application in this field.

The following cryptographic methods can be used to protect the information circulating in the local network:
• information encryption;
• electronic digital signature (EDS).

In 2014, OshTU wireless network was modernized. 8 modern access points with a maximum throughput of 300Mbit / s were installed.

At the moment, access points are installed in the main building 1-2-3-4-5th floors (Network name - oshtu), 2-building 2nd floor (Network name - accounting), 3-building 3-floor (Network name - fat), in OshTUlibrary 1st floor (Network name - library).

It is planned to continue the development of a wireless network by covering the entire territory of the university for 2018.

In 2009 OshTU was included in the project of "Exchange of Library and Information Resources between University Libraries of Kyrgyzstan" KYRLIBNET-UM-JEP-26219-2005 TEMPUS-TACIS.

Participation in the Tempus project allowed the libraries of higher educational institutions significantly raise the level of their work. Each project participant made a certain contribution to his/her university in publishing scientific information and teaching materials in the World Wide Web.

Objective of the project:
• Improvement the professional level of librarians in the use of new methods and tools of document management
• Equipment and assistance in the establishment of training modules for the training centers of university libraries.

The acquisition of special software (software) Joomla-IRBIS (J-IRBIS) by the project funds allowed the university libraries to publish their catalogs on the Internet without purchasing a special add-in. Enter such an option on the site as an "Order for acquisition", this viewing will allow libraries to purchase the most ordered book in paper or electronic versions. The most important acquisition of this software allowed to introduce a search system through a single search window for all databases, including electronic catalogs of all eight university libraries at the same time.

The open of Kirlibnetarchives contain five main full-text collections: author's abstracts of dissertations, dissertations, monographs and textbooks, university news bulletins, teaching and methodological works, etc. Over 140 Internet pages (this is approximately more than 2,800 different documents) is updated daily. The program is placed for ease of reference in case if it is not available for him/her. It is enough to click on the document and the system will offer to open or download the document. On all types of documents the author's contract is signed except for the universities Vestniks and teaching and methodical papers.

In September 2009our staff were trained on the basis of Issyk-Kul State University named after K. Tynystanov scientific library within the framework of the project "Exchange of Library and Information Resources between University Libraries of Kyrgyzstan" KIRLIBNET. In October 2009, a seminar in JASU was held for librarians of Osh Technological University.

In December 2009, 1 project officer completed an internship in Nice (France, University of Sofia antipolice).

The library of OshTU received the following equipment within the framework of the project:
- Data server - 1;
- Professional scanner - 1;
- Multifunction device (MFP) 3 in one (scanner + printer + copier) - 8;
- Camera - 1;
- PS computers-4;
- UPS-1 (uninterruptible power supply);
- IRBIS-64 (5 modules) - 1.

Strengths best practices:
- accessibility for students the methodological aid on the educational process through IS AVN;
Weak sides:
- not complete provision of the campus and buildings of the university with a wireless Internet;
- inconsistent university buildings on comfortable access of students with special educational needs.
EEC recommendations:
- to improve the library fund for the acquisition of textbooks in the state language, including electronic media;
- to activate work on ensuring conditions for inclusive education at the university.

The EEC on standard "Educational Resources and Student Support Systems" the university has 7 are satisfactory positions and 1suggest improvement.

6.12 Standard "Public Information"

Evidence part
In order to support feedback and public awreness about the activities of the university, the following communication channels are available:
- University site;

- corporate university pages in social networks (YouTube, Facebook (https://www.facebook.com/pressaoshtu), Odnoklassniki, Instagram, in the newspapers: Osh Zhanyrygy, Kutbilim, ErkinToo, Osh Shamy, on the channels: Channel 7, ElFM, MaralFM, Kabar, Akipress, Barakelde , Art-line), etc .;

The university administration holds regular meetings with parents of students 2 times per academic year, at which the rector's reports are heard, current problems and prospects for the development of the university, student performance, etc. are discussed. The university provides openness and accessibility of information to the public, openly places complete and reliable information about the university's activities, rules for admission of applicants, educational programs, terms and forms of study, international programs and reliable information of each structural divisions, useful information for applicants and students on various information media.

In the frame of the professional orientation of applicants, the university publishes printed publications (booklets, brochures, special issues of newspapers, etc.). Control over ensuring the level of relevance of information is carried out by heads of structural divisions, making appropriate adjustments in time.

The university site covers all activities of the university and provides information in 3 languages (Kyrgyz, Russian and English), the information on the site is constantly updated.

Another internal communication channel for university employees is a single corporate mail-CommFort. Also, they are actively used as a means of communication for the newspaper "StudTimes", "Univer.kg", the TV studio "Zhashtyk" and the periodical scientific publication "Izvestia OshTU".

On the territory of the university and in the buildings of the university there are stands, bulletin boards, information screens through which news and announcements are brought to students. The website of the Osh Technical University contains: orders of the Education and Science Ministry of the Kyrgyz Republic "On threshold scores", "On approval of the schedule for conducting selection tests and enrollment for applicants", "On approval of lists of specialties", "List of specialties and areas of training that require additional tests by the university", "The list of subject areas and specialties, in enrolling applicants where the results of General republican testing are not required, "List of specialties and subject areas, indicating the required additional compulsory subject in the General republican testing.

Analytical part

For the purpose of visibility and informing the public about scientific activities, the official website of Osh Technical University has an electronic link: www.oshtu.kg, which reflects the following:

1. The web page of the dissertation council was created according to the requirements of the Higher Attestation Commission, electronic link: http: // ds. oshtu.kg; http://doctors.oshtu.kg, which contains full information on the activities of the dissertation council, about the members, a package of documents necessary for applicants and other data;

2. A web page of the scientific technical journal "Izvestiya OshTU" was created, which reflects all published articles in open access, as well as the all necessary procedure for publication in this edition, which are sent to RSCI in real time;

3. Annual reports of scientific research work (SR) of Osh TU and other useful information are uploaded on the Osh TU website in the "SCIENCE" section;

4. The teaching staff of Osh TU are registered in sciensometric platforms. ELIBRARY.ru, Web of Science. Information about OshTU's scientists publication activity can be obtained at this link.

Strengths:
- availability of a wide range of feedback channels with all university stakeholders;
- availability of a functioning information system AVN.
Weak sides:

- not complete information about employment and career building on the university website.

Experts recommend:

- to improve and update the information available on the university's website about the EP, the expected results, the available vacancies.

The EEC on standard "Public Information" the university has 3 are strong positions and 9 satisfactory positions.

(VII) OVERVIEW OF STRENGTHS BEST PRACTICES FOR EVERY STANDARD

Standard "Strategic Development and Quality Assurance"

- availability of an implemented and realized university development strategy and its compliance with the national priorities of Kyrgyzstan;

- availability of university quality assurance policy;

- accessibility and extensive discussion of the university development strategy available at the university.

Standard "Leadership and Management"

- the availability of an approved functional structure of the university allowing to implement a development strategy;

- a sufficient level of development of the corporate culture of the teaching staff of the university.

Standard "Information Management and Reporting"

- availability of a system for collecting, storing information about the degree of satisfaction of students with educational programs;

- collection and discussion of reports on the activities of structural divisions at meetings of collegial managing bodies.

Standard "Development and Approval of the Basic Educational Programmes"

- annual improvement of the educational programs content, working plans and curricula;

- participation of university teaching staff in international TEMPUS projects;

- availability of a sustainable procedure for the development and approval of the working plans and curricula of Master degree and bachelor specialties.

Standard "On-Going Monitoring and Periodic Reviewn of Basic Educational Pprogrammes".

- the available organized monitoring and updating of the content of educational programs;

- the functioning of feedback channels with all stakeholders to inform changes in educational programs.

Standard "Student-Centered Learning, Teaching and Performance Evaluation"

- equal opportunities provided for students, incl. regardless of the study language in the formation of an individual educational trajectory aimed at the formation of professional competence;

- research in the field of methods of teaching disciplines.

Standard "Students"

- the availability of an adequate policy of forming of students contingent;

- the availability of functioning student government bodies and clubs of interest.

Standard "Teaching staff"

- the availability of a visible personnel policy of the university based on the competitive replacement of vacant positions;

- the accessibility of university administration for teaching staff members.

Standard " Research work"

- *the availability among the teaching staff involved in the implementation of individual research projects and participating in projects carried out on the basis of third-party organizations;*

- high publication activity of teaching staff in Russian scientific journals.

Standard "Finance"

- financial sustainability of the university over the past 3 years.

Standard "Educational Resources and Student Support Systems"

- accessibility for students the methodological aids on the educational process through IS AVN.

Standard "Public Information"

- availability of a wide range of feedback channels with all university stakeholders;

- availability of a functioning information system AVN.

(VIII) OVERVIEW OF RECOMMENDATIONS TO IMPROVE QUALITY

Standard "Strategic development and quality assurance"

The developed strategy for the development of the university requires substantial improvement with the indication of specific target indicators' of development.

To activate the work on the implementation of the principles of corporate governance and corporate culture.

To expand the involvement of external stakeholders in the development of the mission and the university strategic plan of the development and to ensure their representativeness;

Development of planning activities of the university through educational processes, improvement the plans and educational programs for the development;

To intensify the certification process of QMS audit.

Standard "Leadership and Management"

To improve the system of risk assessment and identification of ways to reduce them.

To develop and implement a system of corrective and preventive actions.

To compile the work plans of the structural units and the university budget in line with the approved university development strategy.

To activate work on improving the AVN IS for electronic document management modules, strategic planning modules (including the teaching staff rating, departments, faculties);

To provide training courses for senior and middle managers in the field of administration in education, risk management, etc.

Standard "Information management and reporting"

To develop and implement a unified integrated system for monitoring the assessment of the activities of structural units, the implementation of educational programs, the implementation of the university development strategy.

To more widely involve the student community and representatives of the teaching staff in the adoption of managerial decisions of the university.

Standard «Development and Approval of the Basic Educational Programmes»

To widen the cooperation with leading foreign and Kazakhstan universities in order to harmonize the content and development of joint educational programmes;

To take measures for the further development of multilingual training of students.

To improve the level of introduction of the ECTS principles system, including in the preparation of EP, the calculation of the teaching load.

Standard "On-Going Monitoring and Periodic Review of Basic Educational Programmes"

To improve the system of planning the development of educational programs and monitoring the implementation of this plan.

Widely involvement of employers and graduates in the preparation and evaluation of educational programmes.

Standard "Student-Centered Learning, Teaching and Performance Evaluation"

To improve the system of monitoring on the students' progress along the educational trajectory and the students' achievements.

To consider the possibility of research in the field of modern teaching methods and implementation.

Standard "Students"

Tto work on the organization of cooperation of the university with other educational organizations and national centers of ENIC / NARIC in order to ensure comparable recognition of qualifications, professional certification of students in accordance with the Lisbon Recognition Convention.

To improve the content of the EP with regard to the requirements of certification agencies (including foreign agencies).

To activate the work on the academic mobility of students and the invitation of students and undergraduates from abroad.

To improve the system of support and monitoring of students in the framework of employment and career growth.

To expand the work spectrum of the information technology use in the educational process (including the MEP).

Standard "Teaching staff"

To update and add the available information of the TS departments posted on the university website.

To increase the number of enterprises' practitioners in involving to the educational process.

To activate the work in increasing the number of teaching staff participation in academic mobility programmes.

Standard "Research work"

To initiate joint research projects with foreign partner universities.

To develop and implement an effective system for motivating the development of research and activities of teaching staff.

To carry out work on the coordination of the strategy for the development and running financial flows

Standard "Finance"

To improve the library fund for the acquisition of textbooks in the state language, including electronic media.

To activate work on ensuring conditions for inclusive education at the university.

Standard "Public Information"

To improve and update the information available on the university's website about the EP, the expected results, the available vacancies.

Appenix 1 **Evaluation table "INSTITUTIONAL PROFILE PARAMETERS"**

№	№	Criteria for evaluation	Position of the educational organisation			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
		Standard «Strategic Development and Quality Assurance»				
1		The HEI must demonstrate the development of a unique strategy based on the analysis of external and internal factors with the wide involvement of various interested persons			+	
2		The HEI must demonstrate the focus of the mission, vision and strategy to meet the needs of the state, society, sectors of the real economy, potential employers, students and other interested persons.		+		
3		The HEI must demonstrate the transparency of the processes of formation, monitoring and regular revision of the mission, vision, strategy and quality assurance policy		+		
4		The institution must have a published quality assurance policy, mission and strategy	+			
5		The HEI develops documents for specific areas of activity and processes (plans, programmes, regulations, etc.) that specify the quality assurance policy			+	
6		Quality assurance policy should reflect the link between research, teaching and learning		+		
7		The HEI must demonstrate the development of a unique strategy based on the analysis of external and internal factors with the wide involvement of various interested persons			+	
		Total by standard	0	3	3	0
		Standard «Leadership and Management»				
8		The HEI carries out management processes, including planning and resource allocation in accordance with the strategy		+		
9		The HEI must demonstrate the successful functioning and improvement of the internal quality assurance system			+	
10		The HEI must demonstrate a risk management analysis			+	
11		The HEI must demonstrate the analysis of the effectiveness of changes			+	
12		The HEI must demonstrate the analysis of the identified inconsistencies, the implementation of the developed corrective and preventive actions		+		

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№		Criterion				
13		The HEI must demonstrate a clear definition of those responsible for business processes, an unambiguous distribution of job duties of personnel, and the delineation of functions of collegial bodies	+			
14		An important factor is to ensure the management of the educational process through the management of educational programmes, including the assessment of their effectiveness.			+	
15		The HEI demonstrates the development of annual activity plans, including TS, based on the development strategy		+		
16		Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility		+		
17		The HEI must provide evidence of the transparency of the HEI management system		+		
18		The HEI must ensure the participation of students and TS in the work of collegial management bodies		+		
19		The HEI must demonstrate evidence of openness and accessibility of managers and administration for students, TS, parents and other interested parties		+		
20		The HEI must demonstrate innovation management, including the analysis and implementation of innovative proposals			+	
21		The HEI should strive to participate in international, national and regional professional alliances, associations, etc.		+		
22		The HEI must provide training for management (rector, advisers, vice-rectors, deans, heads of structural divisions, heads of departments) in educational management programmes			+	
23		The institution should strive to ensure that progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure.		+		
Total by standard			**1**		**6**	**0**
Standard «Information Management and Reporting»						
24		The HEI must ensure the functioning of the system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software		+		
25		The HEI must demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system			+	
26		The HEI should have a system of regular reporting at all levels of the organisational structure, including an assessment of the effectiveness and efficiency of departments, EP, research and their interaction		+		
27		The HEI must establish the frequency, forms and methods of assessing EP management, the activities of collegial bodies and structural units, top management, the		+		

		implementation of scientific projects		+		
28		The HEI must demonstrate the determination of the order and ensuring the protection of information, including the identification of persons responsible for the accuracy and timeliness of the analysis of information and the provision of data		+		
29		An important factor is the involvement of students, employees and TS in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
30		The HEI must demonstrate the existence of a communication mechanism with students, employees and other interested persons, including the availability of mechanisms for resolving conflicts		+		
31		The HEI must ensure the measurement of the degree of satisfaction of the needs of TS, staff and students and demonstrate evidence of elimination of the identified deficiencies		+		
32		The HEI should evaluate the effectiveness and efficiency of its activities, including in the context of BEP			+	
33		The information collected and analyzed by the HEI should take into account: key performance indicators;			+	
34		dynamics of the contingent of students in the context of forms and types;	+			
35		the level of academic performance, student achievement and expulsion;		+		
36		satisfaction of students with the implementation of BEP and the quality of education at the HEI;		+		
37		availability of educational resources and support systems for students;	+			
38		employment and career growth of graduates		+		
39		Students, employees and TS must document their consent to the processing of personal data		+		
40		The HEI should promote the provision of all the necessary information in the relevant fields of science		+		
	Total by standard				2	
	Standard «Development and Approval of the Basic Educational Programmes»					
41		The HEI must define and document the procedures for the development of the BEP and their approval at the institutional level		+		
42		The HEI must demonstrate the compliance of the developed educational programmes with the established goals, including the expected learning outcomes		+		

No		Criterion				
43		The HEI must demonstrate the availability of developed models of the BEP graduate, describing the learning outcomes and personal qualities		+		
44		The HEI must demonstrate the conduct of external examinations of the BEP		+		
45		The qualifications obtained upon completion of the BEP must be clearly defined, explained and correspond to a certain level of the NQF	+			
46		The HEI must determine the impact of disciplines and professional practices on the formation of learning outcomes		+		
47		An important factor is the ability to prepare students for professional certification			+	
48		The HEI must provide evidence of the participation of students, TS and other interested persons in the development of the BEP, ensuring their quality		+		
49		The complexity of the BEP should be clearly defined in Kyrgyz loans and ECTS			+	
50		The HEI must provide the content of academic disciplines and learning outcomes to the level of learning		+		
51		The structure of the BEP should provide for various activities corresponding to the learning outcomes		+		
52		An important factor is the presence of joint BEP with foreign educational organisations			+	
	Total by standard		**1**	**8**	**3**	**0**
	Standard «On-Going Monitoring and Periodic Review of Basic Educational Programmes»					
53	1	The HEI should conduct monitoring and periodic assessment of the educational programme in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at continuous improvement of BEP.		+		
		Monitoring and periodic evaluation of the BEP should consider:				
54	2	the content of the programmes in the light of the latest achievements of science in a specific discipline to ensure the relevance of the taught discipline;		+		
55	3	changes in the needs of society and professional environment;		+		
56	4	workload, academic performance and graduation of students;	+			
57	5	the effectiveness of student assessment procedures;		+		
58	6	expectations, needs and satisfaction of learners with BEP training;		+		
59	7	educational environment and support services, and their relevance to the objectives of the BEP		+		

№		Description				
60	8	The HEI must provide evidence of the participation of students, employers and other interested persons in the revision of the BEP		+		
61	9	All interested persons should be informed of any planned or taken action in relation to the HEI. All changes made to the BEP must be published			+	
62	1	The HEI must ensure the revision of the content and structure of the educational programme, taking into account changes in the labor market, the requirements of employers and the social demand of society		+		
Total by standard			**1**	**7**	**2**	**0**
Standard «Student-Centered Learning, Teaching and Performance Evaluation»						
63	1	The HEI must ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths				
64	2.	The HEI must ensure the use of various forms and methods of teaching and learning				
65	3.	An important factor is the presence of our own research in the field of teaching methods of academic disciplines				
66	4.	The HEI must demonstrate the existence of a feedback system on the use of various teaching methods and assessment of learning outcomes				
67	5	The institution must demonstrate support for student autonomy, while providing guidance and assistance from the teacher				
68	6.	The HEI must demonstrate that it has a procedure for responding to student complaints				
69	7.	The HEI must ensure the consistency, transparency and objectivity of the mechanism for assessing learning outcomes, including appeal				
70	8.	The HEI must ensure that the procedures for assessing student learning outcomes are consistent with the planned learning outcomes and the objectives of the programme. Assessment criteria and methods must be published in advance				
71	9	The HEI should define mechanisms for ensuring the development of learning outcomes by each graduate and ensure the completeness of their formation				
72	10	Evaluators should be proficient in modern methods of assessing learning outcomes and regularly develop skills in this area.		+		
Total by standard			**1**	**6**	**3**	**0**
Standard "Students"						
73		The HEI must demonstrate the policy of forming a contingent of students from admission to graduation and ensure the transparency of its procedures. The procedures governing the life cycle of students (from admission to	+			

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		completion) must be defined, approved, published				
74		The HEI should provide for special adaptation and support programmes for newly admitted and foreign students.		+		
75		The HEI must demonstrate the compliance of its actions with the Lisbon Recognition Convention			+	
76		The HEI should cooperate with other educational organisations and national centers of the " European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" ENIC / NARIC in order to ensure comparable recognition of qualifications			+	
77	5	The HEI must demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education			+	
78	6	The HEI must provide an opportunity for external and internal mobility of students, as well as assist them in obtaining external grants for training			+	
79	7	The HEI should make the maximum amount of effort to provide students with places of practice, promote the employment of graduates, maintain communication with them		+		
80	8	The HEI must provide graduates with documents confirming the qualifications received, including the learning outcomes achieved, as well as the context, content and status of the education received and evidence of its completion.		+		
81	9	An important factor is monitoring the employment and professional activities of graduates		+		
82	1	The HEI should actively stimulate students to self-education and development outside the basic programme (extracurricular activities)		+		
83	1	An important factor is the presence of a functioning association / association of alumni			+	
84	1	An important factor is the availability of a support mechanism for gifted students		+		
Total by standard			1	6	5	0
Standard "Teaching Staff"						
85	1	The HEI must have an objective and transparent personnel policy, including recruitment, professional growth and staff development, ensuring the professional competence of the entire staff		+		
86	2	The HEI must demonstrate the compliance of the staff potential of the TS with the development strategy of the HEI		+		
87	3	The HEI must demonstrate awareness of responsibility for its employees and providing them with favorable working conditions		+		

88	4	The HEI must demonstrate a change in the role of the teacher in connection with the transition to student-centered learning			+	
89	5	The HEI must determine the contribution of the TS to the implementation of the development strategy of the HEI, and other strategic documents			+	
90	6	The HEI should provide opportunities for career growth and professional development of TS		+		
91	7	The HEI should involve practitioners from relevant industries in teaching		+		
92	8	The HEI should provide targeted actions for the development of young teachers			+	
93	9	The HEI must demonstrate the motivation for the professional and personal development of teachers, including the encouragement of both a contribution to the integration of scientific activity and education, and the use of innovative teaching methods.		+		
94	1	An important factor is the active use of information and communication technologies by the TS in the educational process (for example, on-line training, e-portfolio, MEP, etc.)		+		
95	1	An important factor is the development of academic mobility, attracting the best foreign and domestic teachers			+	
96	1	An important factor is the involvement of the TS in the life of society (the role of TS in the education system, in the development of science, the region, creating a cultural environment, participation in exhibitions, creative competitions, charity programmes, etc.)		+		
	Total by standard		**0**	**8**	**4**	**0**
	Standard "Research Work"					
97	1	The HEI must demonstrate the compliance of the research priorities with the national policy in the field of education, science and innovative development	+			
98	2	The HEI must ensure that the research activities are consistent with the mission and strategy of the HEI		+		
99	3	The HEI should plan and monitor the effectiveness of research		+		
100	4	The HEI must demonstrate the existence of processes for attracting students to research activities			+	
101	5	The HEI must demonstrate assistance in the presentation of scientific positions of researchers, TS and students at various scientific sites, including the publication of scientific results		+		
102	6	The HEI should promote the implementation of research results, including consulting and commercialization			+	
103	7	The HEI should promote the recognition of the results of research work, including the registration of scientific projects in authorized bodies, registration of patents and copyright certificates				

№		Criteria				
104	8	The HEI should strive to conduct joint research with foreign universities			+	
105	9	The HEI should strive to diversify the forms of financing research activities			+	
106	1	The HEI should stimulate research activities using various forms of motivation		+		
		Total by standard	1		4	
		Standard " Finances"				
107		The HEI should formulate development scenarios consistent with the development strategy, taking into account the risk assessment		+		
108		The HEI must demonstrate the operational and strategic planning of its budget	+			
109		The HEI must demonstrate the existence of a formalized financial management policy , including financial reporting		+		
110		The HEI must demonstrate the existence of an internal audit system		+		
111		The HEI must demonstrate the conduct of an external independent audit		+		
112		The HEI should have a mechanism for assessing the adequacy of financial support for various types of activities of the HEI, incl. development strategy of the HEI, the development of BEP, scientific projects		+		
		Total by standard	1	5	0	0
		Standard «Education Resources and Student Support Systems»				
113	1	The HEI must demonstrate the sufficiency of material and technical resources and infrastructure		+		
114	2	The HEI must demonstrate the existence of support procedures for various groups of students, including information and consulting		+		
		The HEI must demonstrate the compliance of information resources with the specifics of BEP, including compliance in the following areas:				
115	3	technological support for students and TS in accordance with the basic educational programmes (for example, online training, modeling, databases, data analysis programmes);		+		
116	4	library resources, including the fund of educational, methodological and scientific literature on general education, basic and profiling disciplines on paper and electronic media, periodicals, access to scientific databases;			+	
117	5	examination of research results, graduation works, dissertations for plagiarism;		+		
118	6	functioning of WI-FI on the territory of the educational organisation		+		

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№		Description				
119	7	The HEI strives to ensure that the educational equipment and software used to master educational programmes are similar to those used in the relevant industries		+		
120	8	The HEI must ensure compliance with safety requirements in the learning process		+		
121	9	The HEI should strive to take into account the needs of various groups of students (adults, working people, foreign students, as well as students with disabilities)		+		
		Total by standard	**0**	**8**	**1**	**0**
		Standard «Public Information»				
		Information published by the HEI must be accurate, objective, relevant and must include:				
122		programmes being implemented, indicating the expected learning outcomes for these programmes;		+		
123		information on the possibility of awarding qualifications at the end of the BEP;		+		
124		information about teaching, learning, assessment procedures;		+		
125		information about passing scores and learning opportunities provided to students;	+			
126		information about employment opportunities for graduates		+		
127		The HEI administration should use a variety of ways to disseminate information (including the media, web resources, information networks, etc.) to inform the general public and interested persons.		+		
128		Public awareness should include support and explanation of national development programmes for the country and the system of higher and postgraduate education.	+			
129		The HEI must publish audited financial statements on its own web resource	+			
130		The HEI must demonstrate the reflection on the web resource of information characterizing the HEI as a whole and in the context of BEP		+		
131		An important factor is the availability of adequate and objective information about the TS, in the context of personalities		+		
132		An important factor is the placement of information on cooperation and interaction with partners, including with scientific / consulting organisations, business partners, social partners and educational organisations		+		
133		The HEI should post information and links to external resources based on the results of external evaluation procedures		+		
		Total by standard	**3**	**9**	**0**	**0**
		TOTAL	**13**	**6**	**4**	**0**