



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

## REPORT

**on the results of the work of the external expert commission  
for compliance with the requirements of programme accreditation standards  
educational programme “580100 ECONOMY”  
OSH TECHNOLOGICAL UNIVERSITY  
NAMED AFTER ACADEMICIAN M.M. ADYSHEV**

**from 02 to 04 may 2018**

**Osh city**

**May 4, 2018**

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

*Addressed to  
Accreditation  
Council of the IAAR*



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## **(I) A LIST OF SYMBOLS AND ABBREVIATIONS**

**EEC**-external expert Commission  
**HEI** – higher education 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  
**NAAR**-national Agency for accreditation and rating  
**RDP**- research and development projects  
**RWS**- a scientific – research work of students  
**EP**-educational program  
**OshTU**- Osh technological University  
**FE**- Faculty of Economics  
**TS**-teaching staff  
**IWS** - independent work of students  
**TMC** – training and methodological complex



## (II) INTRODUCTION

In the period from 02 to 04 may 2018, the external expert Commission of NAAR conducted an external assessment of the quality of the educational program 580100 - "Economy".

The educational process under the accredited EP is provided by three departments: "Accounting and audit", "Finance and credit", "Economics and management". Training of specialists on the accredited educational program 580100 - "Economy" is carried out in the faculty of Economics and management since September 1, 2004. Training is conducted in accordance with the State license for the right to conduct educational activities, and annexes to the license issued by the decision of the state inspection for licensing and certification of educational institutions of the Ministry of education and science of the Kyrgyz Republic series Id 180000100 reg. No. 18/0054 Bishkek 2018 Annex No. 5 to license orders of the MES of the KR No. 284/1 from 13.03.2018 Protocol No. 1-3-4 from 07.03.2018 G. the expiration date of the license 30.12.2020. (without the right to admission to the first year). Admission in the direction of "Economy" from 2016 suspended. Graduates of the educational program are awarded the academic degree of bachelor-engineer. Duration of training on the basis of secondary General education - 4 years; on the basis of secondary vocational education 3 years. Training is conducted in Russian.

The main processes of the University and the faculty of Economics and management: the management system; the educational process, the quality of teaching and performance assessment, the activities of the University for the admission of students; employment and demand for graduates in the labor market; qualitative and quantitative indicators of the teaching staff; research work of faculty and students at the time of accreditation in the dynamics over the past 3 years.

Table 1.

Year	Courses													Full time	Part time
	I		II		III		IV		V		total				
	Full time	Dis t.	Full time	Dis t.	Full time	Dist	Full time	Dis t	Full time	Dis t					
<b>Profile «Finance and credit»</b>															
<b>2015</b>	18	24	30	25	23	114	41	29	-	-	<b>327</b>	112	192		
<b>2016</b>			31	35	15	137	21	116	-	91	<b>446</b>	67	379		
<b>2017</b>					28	40	18	122	-	108	<b>316</b>	46	270		
<b>Profile "Accounting and audit"</b>															
<b>2015</b>	21	-	31	24	21	88	36	21	-	-	<b>242</b>	109	133		
<b>2016</b>			24		26	151	24	108	-	63	<b>396</b>	74	322		
<b>2017</b>					27	40	28	137	-	93	<b>325</b>	55	270		
<b>Profile "Economics and Enterprise Management"</b>															
<b>2015</b>		-	-	15		18	39	-	-	-	<b>72</b>	33	39		
<b>2016</b>						14	38	14	29	-	22	<b>117</b>	28	89	
<b>2017</b>								14	29	-	26	<b>69</b>	14	55	

### **(III) REPRESENTATION OF EDUCATION ORGANISATION**

Osh technological University named after M. M Adyshev is a higher professional educational institution. In its activities, the faculty of Economics is guided by the Constitution of the Kyrgyz Republic, the law of the Kyrgyz Republic "on education", Decrees of the Kyrgyz Republic, Resolutions and Decisions of the government of the Kyrgyz Republic, other normative legal acts of the Ministry of Education and the Charter of OshTU named after M. M. Adyshev.

The University was founded on the basis of Frunze Polytechnic Institute by order of the Minister of higher and secondary special education of the Kyrgyz SSR in 1963 (in Osh was opened evening General technical faculty of Frunze Polytechnic Institute). On January 21, 1991 the Osh technological College was established on the basis of the evening General technical faculty of the Frunze Polytechnic Institute by the Resolution of the Council of Ministers of the Kyrgyz SSR № 17. On 24 February 1996, by presidential decree No. 21, the Osh technological College was transformed into the Osh technological University. By order of the Minister of education and culture of the KR No. 57/1 dated January 23, 2004, Osh technological University named after academician Musa Murzapayazovich Adyshev.

Currently, the faculty of Economics and management is a structural subdivision of the University which includes: 3 institutes (Institute of advanced training and retraining; Institute of applied Sciences; Institute of language training and international educational programs); 7 faculties (road transport; energy (direction "Economics" of the faculty of Economics is subject to current accreditation); architecture and construction; Cybernetics and information technology; technology and environmental management; natural and technical), as well as 2 colleges (College of technology, Uzgen College of technology and education. Academician Murzubraimov). Also the center of vocational guidance and pre-University training, and also Lyceum is a part of OshTU.

The priority research areas of the faculty of Economics and management are: information and telecommunication technologies and new materials; energy and transport; problems of environmental protection, natural resource management and biodiversity conservation; integrated development of mineral resources; technology of processing of agricultural raw materials; economic problems of Kyrgyzstan in the conditions of transition to market relations; the linguistic and methodological problems of the description of foreign languages in the educational purposes and development of new technologies for their learning; environmental and biotechnological problems in the highlands of the southern region of Kyrgyzstan.

The faculty of Economics and management is part of the Russian-Kyrgyz consortium and cooperates with more than one hundred and fifty educational institutions of the near and far abroad countries, the exchange of students on international programs. Teachers and graduate students are trained abroad.

The faculty of Economics and management implements educational programs 580100 "Economics": bachelor's degree-1, and OshTU educational programs – 30 directions; master's degree – 13 directions. The total number of students – 8850 (of them, full – time education - 4874 , grant-696). Foreign students - 88. The contingent of undergraduates – 186; TS – 435 of them full – time, 406; Ph. D. – 19 of them full – time, 12. Candidates of science-106, including staff-98; masters-46. The presence of the accreditation programs, AOPA 2018 (certificate №VU180000022) Official website of the faculty of Economics and management: [www.oshtu.kg](http://www.oshtu.kg), E-mail: [oshtu.adyshev@mail.ru](mailto:oshtu.adyshev@mail.ru)

High-quality training of specialists at the faculty is provided, first, by the teaching staff and is determined by the high scientific and pedagogical qualification of teachers and scientists. Currently, 50 teachers are engaged in educational, methodical and scientific work at the faculty of Economics and management in OshTU. Of these, 6 teachers are part-time, 3 doctors of Economics, 21 candidates of Economics, including 6 professors of OshTU, 12 candidates of OshTU, 8 senior teachers, 15 with academic degrees of master of Economics and public administration. Most teachers have extensive experience in the University, of the number of full-time teachers more than 30% work at the faculty for more than 20 years.

The qualitative composition of the teaching staff in the direction 580100 "Economy" corresponds to the established licensing standards and is 67%.

From 2014 to 2017 faculty of Economics and management were protected 2 doctoral (R. A. Said, A. M. Tashbaev) and 8 PhD theses (K. won two awards, Asanbaev N., Khamzayev A., Usanov J., Nuraliev T., Mother K., Isambaeva S., S. Astanova). In 2018 February 22, he defended his thesis Alisheva P., completed PhD thesis Mametova, Rosmarinovoe J. Prepared and discussed at faculty the

dissertation of S. of Artykbayeva (29 January) and doctoral thesis in Economics PhD in Economics, associate Professor M. Zh. Abdiyev (2 March 2018).

The staff of the departments of the faculty of Economics and management is quite stable, more than 60% of full-time teachers work at the faculty since the opening of specialties. Educational programs teachers of different age groups: experienced, with great scientific and pedagogical experience – Professor, doctor of Economics A. M. Tashbaev, Ph. D. R. A., Said, professors of the departments of A. M. Zulpueva, R. Myrzabayev, docents with experience more than 20 years - E. G. Tashmatova, B. I. Omolewa, A. Baimuratov, A. Ergeshbaev, sh Isinbaeva etc. Especially important is the role of teaching staff in the preparation of educational complexes that determine the educational program. All educational and methodical complexes of an obligatory component and programs of elective disciplines are made by staff of departments of faculty. When conducting classes, teachers use the results of their own research. The multimedia center of OshTU (electronic library) regularly receives electronic versions of educational, methodical and other manuals developed by the staff of the departments.

The total number of employees of OshTU in the 2017-18 academic year was 767 people. Faculty — 408 people, including the teaching staff – 389; part time 17; administrative staff -108. The total number of employees of the Uzgen Institute of technology and education — 76 people. Of the 408 members of the faculty — 11 doctors, professors, 96 candidates of Sciences, associate professors. The teaching staff with more than 10 years of experience at the University is 72%.

The University has: 1 honored worker of science of the Kyrgyz Republic, academician of the national Academy of Sciences of the Kyrgyz Republic; 2 honored worker of education of the Kyrgyz Republic; 2 honored worker of geological service of the Kyrgyz Republic; 9 academicians and corresponding members of industry academies; more than 80 teachers who received the badge "excellence in public education of KR"

The average age of doctors of science and professors, 55 candidates of science, professors, 52 candidates of Sciences, docents - 40 years.

Scientific activity of the faculty of Economics and management is coordinated by the Department of science and implemented in the following departments: Institute of applied Sciences, 2 research laboratories, departments and faculties, scientific and technical Council. There is an interstate departmental dissertation Council, departments of magistracy, postgraduate and doctoral studies. Academic buildings of the University occupy 24513m<sup>2</sup> and meet the requirements for the premises for educational activities.

The mission of the faculty of Economics and management: 1) Providing quality and affordable education using the latest educational technologies and innovations. 2) Full support for the recovery and development of the economy and production, technology and technology in the country by training highly qualified specialists of the new formation, prepared on the principles of competence approach and capable of practical implementation of the knowledge in science, production, business. 3) Achieving international recognition.

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

Osh technological University is in the process of accreditation the NAAR for the first time.

In 2006 OshTU named after academician M. M. Adyshev passed accreditation / certification, as a result of which issued a certificate №SF 16000073, confirming the status of higher education institution (UNIVERSITY), implementing the program of higher professional education (bachelor) with the right to award academic degrees in areas of training according to the Annex with the issuance of state diplomas. (order of MES of KR № 369\1 of March 28, 2016).

In 2017, OshTU named after M. M. Adyshev passed independent institutional accreditation areas/specialties in accordance with the Appendix: Certificate no VU180000022, 2017 (order of the Agency for accreditation of educational programs and organizations No. 3004 from 27.12.2017).

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

External evaluation was carried out in accordance with the program developed by the Chairman of the EEC together with the NAAR and agreed with the University management.

According to the program of events, the meeting of NAAR experts with the leadership of OshTU in the person of the rector and Vice-rectors, heads of structural units (Department for the organization of educational process and quality management, Department for educational work and social development, Department of language training and international educational programs, Institute of advanced training, Institute of applied Sciences, center for international cooperation, Department of information technology, Department of vocational guidance and pre-University training, Department of postgraduate and doctoral studies, Department, library, accounting, personnel Department, Executive Secretary of the selection Committee, etc.).

There were also meetings with deans of faculties on accredited specialties, heads of departments, staff of teachers and students of the University, as well as employers. A survey of students and teachers. A visual inspection of the material and technical base of the University, infrastructure and collective use. Experts inspected the training and laboratory facilities, discussed the main problems of the educational process and logistics.

As part of the audit familiarization with the leading bases of practices for accredited educational programs was conducted, within the framework of which meetings were held with the leadership of the leading enterprises of the region, heads of practices from enterprises, examined the workplaces where the practice of students was organized.

On the accredited specialty experts Botabekov A. B and M. Shonoev 03.05. 2018 participated the lectures of docent of the Department "Finance and credit", Ph. D., docent Baimuratov A. A. on the subject "Banks and banking activity" on the theme "System of cashless payments in the banking activity" (in the group e (FC) -15, total number of students – 20 people, lecture of docent of Department "Accounting and auditing", Ph. D., docent M. Zh. Abdiyev in .group e (AA) -15 on discipline "Financial accounting -2", was Attended by students 21 of 24.

Modern teaching methods, including information technology, multimedia and presentation equipment were used during the lectures. Classes are held at a high methodological level, attendance is good. The language of the classes is Russian.

According to the results of the visit made suggestions for improving the work of the University within the framework of accredited educational programs.

As part of the audit program, recommendations for improving the University's activities, developed by the EEC based on the results of the examination, were presented at a meeting with the management on May 4, 2018.

## **(VI) COMPLIANCE WITH PROGRAMME ACCREDITATION STANDARDS**

### ***6.1. Standard « Management of basic educational programme»***

The faculty of Economics and management has a strategy, mission and vision. Information on the implementation of the educational program is published in periodicals available to students and staff of the University. There are electronic information resources of the University, which are available to everyone. It is noted that the implementation of educational programs fully complies with local legislation in the field of education.

According to the standard evaluation criteria, the faculty of Economics and management of Osh University of technology have a quality assurance policy. Quality assurance policy of the faculty of Economics reflects the relationship between research, teaching and learning of students, as well as the interaction between the business community, the scientific community, faculty and students.

The University is working on the development of the quality management system of education, including in the context of the accredited specialty. The faculty of Economics and management has a quality assurance system, which includes educational standards, training system, information system,



structural system of educational process management, system of evaluation, analysis and monitoring of learning results.

Quality assurance of the faculty of Economics and management refers to any activity performed by contractors and partners. The faculty ensures the transparency of the development plan of the educational program based on the analysis of its functioning, the real positioning of the University and the focus of its activities to meet the needs of major customers.

The faculty works on continuous improvement of the management system, control over the implementation of the development plan of the educational program and the effectiveness of its implementation. The results of the evaluation of the effectiveness of the plan and ongoing monitoring are used to develop corrective actions and make changes to the plan.

Based on the assessment of customer satisfaction, the analysis of the real positioning of the University and the educational program, the results of which are discussed and used in the planning of activities. The analysis of the University activities is carried out in all major areas according to the developed quality criteria.

The procedure of planning the basic educational program is transparent. Interested persons from among the staff and clients of the faculty of Economics and management take part in the preparation and formation of the development plan. It is important that interested persons have the opportunity to influence the content of the development plan of the educational program, as well as to adopt or not to adopt the plan by voting. Management of the educational program is carried out by the Department, faculty, University, among which there are representatives of employers, students, teachers, employees. They are elected and appointed to participate in these bodies with the right to vote.

The management of the faculty of Economics and management demonstrates the working mechanisms for the formation and regular revision of the plan for the development of the basic educational program and monitoring its implementation. for compliance of the development plan with the educational policy. The analysis of compliance of the development plan with national priorities, the strategy of the University. Strategic documents (presented strategic plan of the University and the faculty of Economics and management) correspond to national priorities.

The faculty of Economics and management provides a clear definition of those responsible for business processes, an unambiguous distribution of responsibility and duties of staff, the division of functions of collegial bodies. The system of internal regulations is constantly undergoing changes and improvements.

The faculty of Economics and management has a database of internal and external regulations that regulate all business processes, including the management of educational activities.

The faculty has built an information system that provides transparent information to consumers of educational services and employees about the activities of management. There is a privacy policy.

The faculty of Economics and management has a quality assurance system and uses risk management. Based on the analysis of information, risks are identified and predicted. In order to manage risks, improve the efficiency of the intra-University quality assurance system, risk assessment is carried out, measures are taken to minimize them.

The faculty of Economics and management ensures the participation of stakeholders in the planning and implementation of the basic educational program. At the same time, there is a need for improvements in this area of activity.

The University management provides the openness and accessibility for students, staff, employers and other stakeholders. Contact information of managers and key employees are presented on the official website of the faculty of Economics and management. The guide provides feedback on all requests. There is a provision on the rules, forms and timing of feedback. Proposals received in the process of feedback are used to continuously improve all aspects of the University, including the accredited educational program.

Strong sides/best practice

- The faculty of Economics and management has a published quality assurance policy reflecting the relationship between research, teaching and learning.
- Responsible for business processes within the EP are appointed, the duties of the staff are clearly distributed, the functions of collegial bodies are delimited.

The recommendations of the EEC

- To ensure wide involvement of employees and students in the quality management processes of the University.

- Provide training for 100% of the heads of the faculty of Economics and management (Dean, Assistant Dean, head. departments) strategic planning and risk assessment mechanisms.  
The conclusions of the EEC on the criteria for the accredited educational program are strong-3, satisfactory-6, offer improvements-8.

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

Faculty of Economics and management provides management of basic educational programs and other activities on the basis of collection, analysis and use of relevant information with the use of modern information and communication technologies and software. Classical processes of information management and transmission are also used. Responsible for the functioning of all processes of transmission and processing, as well as the accuracy of the information.

The faculty of Economics and management has created and implemented the AVN information system, which includes internal (Intranet) and external (Internet) portals. On the educational portal there are private offices of each teacher and student, access to which is protected. The Intranet contains 38 software extensions (subprograms) of the information system, reports, regulations and other information. Through the educational portal, teachers communicate with students, exchange information, educational and program documentation, etc.

The faculty of Economics and management uses client-server technologies based on Microsoft SQL Server 2005, allowing operating information systems in multi-user mode.

Management disseminates information about all aspects of the development, formation, approval and implementation of information systems of the University, provides information to employees and students through the official website of the faculty of Economics, ensuring reliability. There is a separate information resource of the manual, both on the website and in the form of information stands.

Databases collected within the framework of the faculty, allow you to generate analytical reports. Service information is protected by security means and backed up.

The faculty of Economics and management conducts regular surveys of external and internal consumers of services, analyzes the information collected with the development of measures to improve activities.

The faculty adopted an open door policy. The faculty regularly holds meetings with students and meetings with the leadership of students.

Periodically, the degree of satisfaction of employers with graduates, as well as educational programs, services and activities of the University is monitored. The survey is conducted in the form of questioning, questioning and interviewing.

The faculty of Economics and management establishes the frequency, reporting forms and methods of evaluation of the educational program management, the activities of collegial bodies and structural units, senior management, as well as the implementation of scientific projects. The faculty evaluates the effectiveness and efficiency of its activities, including the involvement of collegial bodies of the University, as well as external experts.

There is an information security policy, defined terms of storage of information. Students and employees confirm their consent to the use of personal data. Students and staff have access to databases of electronic scientific libraries (e-Library). The site contains links to the lists of scientific publications. There is a private library. Support for research is engaged in the Department of science, information about which is presented on the website of the faculty of Economics.

### **Strong sides/best practice**

- There is a working information system for collecting and processing data on the activities of the faculty, access to which is provided for all representatives of employees and students.
- The information system of the faculty is built with the use of modern information technologies.
- Information is processed by authorized persons, reports are systematically considered at meetings of collegial bodies.
- Personal information is protected at the level of security standards of the AVN information system used. The recommendations of the EEC
- To provide periodic discussion of the results of staff and students ' satisfaction assessment, as well as the performance indicators of the faculty (including rating) at the meetings of the departments of the faculty.
- To intensify efforts to assess the impact of actions in the framework of accredited EP.
- To provide faculty staff access to scientometric information of international databases of scientific publications Scopus and Web of Science.

The conclusions of the EEC on the criteria for the accredited educational program are strong-3, satisfactory-10, offer improvements-4.

### ***6.3. Standard " Development and approval of basic educational programme»***

According to the information provided, the main educational program of higher professional education (bachelor's degree in the direction of training 580100 – "Economy" includes a system of documents consisting of: state educational standard of higher professional education in the relevant field of training; regulations on the main educational program of bachelor's and master's degrees of the faculty of Economics; curriculum and academic calendar; work programs of academic disciplines, ensuring the implementation of appropriate educational technology and the quality of training of students; programs of educational and industrial practices; programs and guidelines for the final state certification.

The faculty of Economics and management has documented procedures for the development of educational programs. The order of consideration of educational programs is described in detail in the relevant section of the report and is regulated by the "Regulations on the basic educational program of bachelor's and master's degrees".

The accredited educational program for bachelors training in the direction 580100 - "Economics" is coordinated with the strategy, mission, vision and values of OshTU.

The program is updated taking into account the development of science, culture, economy, technology and social sphere. It is important that in order to assess, monitor the implementation and revision of the educational program, working groups of leading teachers have been established, which monitor and develop recommendations for improving the educational programs annually.

Evaluation of the quality of the educational program is regulated by the normative documents of the OshTU. Regular internal monitoring of academic performance and sociological survey of students. External experts are involved in the quality assessment. The results of the evaluation are discussed at the meetings of the collegial governing bodies that make decisions to improve the quality of training.

The purposes of professional and pedagogical training on the accredited educational program are defined, the competence model of the graduate as set of the expected results of training which achievement will be able to show trained at this or that stage of development of the educational program is developed.

The discussed educational program provides for the formation of graduates of key competencies and skills. On the formation of professional competencies of the graduate is directed a number of basic and specialized disciplines proposed for the study taking into account the approaches to the individualization of the educational process.

All disciplines presented in the report included in the curriculum of the educational program contribute to the formation of professional competencies of the graduate, taking into account the requirements of the educational standard.

Modern educational technologies are used to ensure the expected quality of training of graduates. Organizations and institutions of the region are involved in the design and implementation of the program according to the profile of activity (external examination is also carried out).

It is possible to build an individual educational trajectory (individual curriculum) of the student, including through courses and teachers of choice.

The continuity of the content of the educational program, the sequence and continuity of disciplines, the rational distribution of disciplines by semesters. Implementation of the modular principle and system of educational credits is provided.

The use of standard (basic, exemplary) and development of working and individual curricula is carried out according to documented procedures in accordance with a certain structure.

Courses of students' choice is included in a special catalogue, brought to the attention of students and used in the design of individual curricula.

The principles of competence approach and academic freedom of the University in the organization of the educational process, mobility, continuity, continuity and adaptability are taken into account in the development of the working curriculum. The working curriculum is discussed at the Academic Council, approved by the rector of the University and placed in the information system of the University.

The educational and methodical complex on the accredited educational program 580100 - "Economy" includes the curriculum of the direction, courses at the choice of students, the working

curriculum, methodical recommendations on the organization of practical training, methodical instructions on performance of course and final qualifying works. Training programs are developed for each discipline. Quality control of educational programs of disciplines is carried out by the profiling Department and the methodical Commission of faculty.

Students enrolled in the accredited specialty, undergo training, production and pre-diploma practice, which are provided with the necessary documentation. Contracts with bases of practices are signed.

The total complexity of the development of the educational program-240 credits, which corresponds to the recommended complexity of training for undergraduate. The system of credits (credits) is based on the European system of transfer and accumulation of credits, providing unification of educational programs including with the countries of the European region, the Russian Federation and Kazakhstan. Information about the rules of the educational process using the credit system is available to employees and students.

The faculty of Economics and management organized independent work of students according to the normative documentation. Identified and documented approaches to quality control of this work, its planning.

It follows from the report that all the profiles of the educational program are provided with literature and teaching materials. A score-rating system of knowledge assessment was introduced. The system of control of knowledge of students is optimized; three stages of control – current, boundary and final, and procedure of the appeal are entered.

Cooperation and exchange of experience have been established with educational institutions implementing similar programmes in the country and abroad, but there are no joint EP.

The final state certification includes the state examination on the profile, preparation and protection of qualification work. Topics of final qualifying works are annually reviewed taking into account the development of science, the emergence of new methods of training, as well as agreed with employers who are invited to work in the state certification Commission. Upon completion of training, the graduate of the educational program is issued a state diploma with a bachelor's degree.

#### **Strong sides /best practice**

- There are documented procedures for the development and approval of the EP.
- The possibility of students ' choice of individual educational trajectories is provided.

Recommendations EEC

- Improve the work on the development of graduate models accredited EP.
- To provide conditions for professional certification of graduates.
- Implement joint EP with foreign educational institutions.

The conclusions of the EEC on the criteria for the accredited educational program are strong-1, satisfactory-7, offer improvements -4.

#### ***6.4. Standard "On-Going monitoring and periodic review of basic educational programmes»***

The faculty of Economics and management conducts continuous monitoring and periodic evaluation of educational programs with the participation of a number of structural units of the University, including through the AVN information system (attendance, payment, etc.in the context of students, groups, disciplines, teachers, departments, directions, faculties and University). The results of the analysis are discussed collectively.

Periodic certification and control of students ' knowledge is carried out, testing systems are provided. According to the results of the current and final control is carried out constant monitoring.

Interested persons are involved in the monitoring of the educational program by means of their questionnaire, survey with subsequent collegial discussion. The results of monitoring and periodic evaluation of the educational program are reflected in the normative documents of the University management system and are used for its continuous improvement.

Special attention is paid to the monitoring of practices. On its basis there is a coordination of tasks of practice, as well as the choice of places of practice, taking into account the possibility of implementation of individual educational trajectory. The manual guarantees students that the activities performed by the student during the practice corresponds to the direction of professional activity. The choice of practice bases for the accredited program corresponds to the energy profile.

Analysis of the requirements of the environment allows you to adjust the educational program and recruitment plan for the specialty. Analysis of changes in the labor market gives grounds for the annual signing of contracts with employers for the provision of grant (budget) places for training.

The content of the educational program is reviewed at least once every 2 years. In addition, changes can be made as necessary and the availability of relevant proposals to change curricula, catalog of elective disciplines, work programs. The procedure for making relevant changes has been defined and documented.

The system of monitoring of academic achievements of students, implemented by means of information system AVN.

The implementation of the educational program 580100 – "Economy" provides for active interaction with stakeholders. In the faculty of Economics there are two groups of interested persons: 1) external (state, authorities, employers, applicants and their parents, other structures); 2) internal (students of all levels, teaching staff, training and support, administrative and management personnel), with whom there is a constant interaction, analysis of their needs and assessment of satisfaction.

At the faculty of Economics and management, the teaching staff is allocated as the main resource for the implementation of the educational program. Teaching staff have the necessary qualifications and are directly involved in the design and monitoring of educational programs.

The faculty of Economics and management provides extensive opportunities for monitoring stakeholders through questionnaires on the main activities of the University. Monitoring the satisfaction of students, teachers and employers involves their assessment of the quality of education and training. The questionnaire procedure is provided with special questionnaires, respondents have the opportunity to make proposals to improve the activities of the University.

Based on the results of monitoring, mechanisms for the formation and revision of the development strategy, mission, and quality objectives are working.

The procedure for making changes to the educational program is regulated. The order of accounting of the made changes is defined. The report provides examples of changes in the accredited educational program based on the results of the analysis of the environment.

#### **Strong sides/best practice**

- Availability of mechanisms for monitoring and periodic evaluation of EP with the use of modern information systems

- Mechanisms for monitoring EP take into account the load, performance and output of students.

The recommendations of the EEC

- To ensure monitoring and periodic evaluation of the EP, taking into account the latest achievements of science and technology.

– To inform all stakeholders about changes in the EP, the publication of all changes in the EP in the public domain.

The conclusions of the EEC on the criteria for the accredited educational program are strong-1, satisfactory-7, suggest improvements-2.

### ***6.5. Standard " Student-Centered learning, teaching and performance assessment»***

The activity of the faculty of Economics and management is based on trust in the student, his involvement in all major processes. Management pays special attention to respect for the different groups of students, their needs, creating conditions for the realization of the potential of students with the personalization of the educational process.

Students have the opportunity to influence the learning process. Students' choice of modules or elective courses is based on presentations by teachers of their courses. The right to choose is given to all students. Disciplines of the elective component of the accredited specialty are represented by 26 disciplines of the basic and profile cycles.

The level of education is determined by the presence of mandatory components in each block of disciplines, and the freedom of choice of learning paths lies in the possibility of free choice of academic disciplines.

Elective courses have a certain connection and are complementary. The modules of the educational program also include other disciplines of compulsory and elective components.

The faculty has created the necessary conditions for independent work of students. Tasks and methodical materials for independent work of students are defined and available. The complexity of this

type of work is determined depending on the credit allocated for the study of the discipline. The results of independent work are being monitored, which are taken into account during the boundary control.

Teaching staff has innovative teaching methods, as well as modern methods of assessing learning outcomes. The educational process is fully provided with all necessary information sources, including electronic ones.

The EEC notes the wide use of information and communication technologies in the educational process (using modern software products), but it is necessary to focus on problem, heuristic, project, context and other modern methods of practice-oriented learning. Material and technical base of the educational process contains the necessary presentation equipment used during classes.

Taking into account the individual needs of students, teachers are provided with additional advice and assistance during the development of the content of a particular discipline, course and diploma design.

In order to study the degree of satisfaction of students in the educational program, organized "boxes of trust", conducted surveys, surveys on the conditions and organization of the educational process.

Feedback with the use of information systems of the University involves the use of an individual login and password, which allows personalized access to educational resources on the website of the University. The student can get acquainted with their educational achievements, as well as teaching materials through the information system AVN.

The educational program determines the order of teaching students on an individual educational trajectory, the monitoring of progress on which is also carried out through the information system AVN.

To ensure the objectivity of the assessment of knowledge and professional competence of the student there is a documented mechanism for assessing knowledge. The rating system of knowledge assessment is implemented, the student has the right to appeal the assessment in accordance with the developed procedure.

Teachers of the faculty of Economics and management are trained in the field of modern pedagogical technologies and methods of evaluation of learning outcomes.

At the same time, it should be noted the low level of safety in training laboratories, which does not allow to provide a completely safe learning environment.

#### **Strong sides/best practice**

- The availability of the information system of the AVN, available to all students.
- Taking into account the needs of students, the presence of a feedback system with students.
- Providing students with variable educational trajectories.
- The use of different forms and methods of teaching.
- Working mechanisms for assessing learning outcomes.

The recommendations of the EEC

- To ensure the wide involvement of faculty and students in research and development in the field of accredited EP.

- To work to improve the safety of work in educational laboratories, to exclude the cases of training sessions on non-core subjects in educational laboratories.

- To strengthen the role of student self-government in decision-making by the faculty administration. Ensure the entry of representatives of student government in the faculty Council.

The conclusions of the EEC on the criteria for the accredited educational program are strong-2, satisfactory-5, and offer improvements-3.

### ***6.6. Standard «Students»***

The procedure for admission of students to the faculty of Economics is regulated and is in accordance with the rules of admission to higher education of the Ministry of education and science of the Kyrgyz Republic. Organization of admission of applicants is carried out by the selection Committee, which is guided by a number of legal acts.

The faculty of Economics and management has a transparent policy of forming a contingent of students. For applicants applying for training under the accredited educational program, there is a requirement to overcome the threshold number of points of the additional test in the discipline "Mathematics".

Depending on the learning environment, the contingent is divided into students on a commercial basis.

Developed and used a clear algorithm of admission and enrollment. The passing score for admission to the budget form of education in 2017 amounted to 110 points. The faculty of Economics and management analyzes the correspondence between the admission process and the subsequent learning outcomes.

Work on career guidance and marketing activities has been established. The faculty of Economics and management regularly organizes consultations for graduates of schools and lyceums, conducts additional training in compulsory subjects of entrance testing, and organizes trial testing. The main information is available on the official website of the University.

The faculty of Economics and management provides access to information about the organization of the educational process, criteria for assessing knowledge, requirements for the development of academic disciplines, etc. a guide-guide of the student, which contains information about the University, faculties, departments, as well as the rules of the educational process and internal regulations, the terms of payment for training. The catalog of elective courses issued to the student contains an annotation of academic disciplines and gives an idea of the academic specificity of disciplines.

Deductions, transfers to another University, to another direction or form of training are carried out in accordance with the relevant regulations. The management analyzes the information on the contingent of students. The results of the analysis are used to improve the quality of career guidance. Comparative analysis with the contingent of other universities, the faculty of Economics was not conducted.

The Institute of curatorship was established. For international students additional tuition is provided to Russian and Kyrgyz languages. Foreign students and students from remote areas are provided with a hostel.

The faculty of Economics and management of Osh University of technology is committed to the provisions of the Lisbon Convention on recognition and recognition of qualifications awarded in other countries, as well as contributes to the notification of education documents. The faculty of Economics officially cooperates with other universities and national centers. The aim is to ensure comparable recognition of qualifications. This is confirmed by the possibility of transfer of students of the faculty of Economics to other universities of the country and abroad. There is a procedure for transfer and transfer of disciplines studied in other universities.

The faculty of Economics and management promotes external and internal academic mobility of students. Information on mobility programs, assistance in obtaining grants for the implementation of mobility programs is carried out. Examples of mobility of students of the accredited educational program are given. Academic mobility is periodically monitored and analyzed.

Since 2008, the faculty of Economics of OshTU participates in the project of the SCO network University, implementing academic mobility programs, bachelor's degree at the faculty of Economics and management and master's degree.

On the accredited specialty contracts with seventeen bases of practices are signed. The organization of practices is carried out on the basis of relevant regulations.

While studying at the University, students have the opportunity to participate in language, computer, professional and other courses, upon completion of which they receive the appropriate certificates.

Each student, depending on his / her individual qualities, can design his / her own individual educational trajectory. Students have the opportunity to participate in research work, publication of research results and their approbation at scientific conferences. the faculty of Economics and management supports gifted students through scholarships and awards.

It is noted that the high rates of current performance and final certification are confirmed by the results of control sections of knowledge, which are held annually at the final course of training. The final state certification provides for an oral examination of the basic and core disciplines, as well as the protection of the final qualifying work.

The University undertakes to employ graduates. The University established a career Center (employment with its help up to 80% of graduates), developed an annual work plan to promote the employment of graduates, and analyzes changes in the labor market, organized psychological courses and trainings on successful employment.

It is noted that the satisfaction of employers according to the results of the surveys was 95.1%; 58% of the surveyed employers invited graduates of the program, guided by the results of practice. Satisfaction of students is 90%.

The accredited program generally meets the requirements of employers. Taking into account the opinion of employers, the curriculum is processed by the inclusion of new disciplines.

The faculty of Economics and management has created an environment that provides access to personalized interactive resources, educational materials and tasks, there is a possibility of self-assessment of students' knowledge. The educational process is carried out through classroom and extracurricular activities, students actively use individual work with the teacher.

The electronic library includes all necessary types of educational and methodical documentation. Access to the Internet and electronic resources of the faculty is provided throughout the University through Wi-Fi network throughout the school.

Interacting with students in the format of partnerships, the management of the faculty and the University demonstrates its interest in the development of feedback. The internal rules of the University give the student the right to apply directly to the management of all levels. There are alternative ways to inform the management through regular sociological surveys of students and the current helpline.

The management supports the initiatives of students, helps to increase the level of activity of students in the self-government bodies. A Committee on youth Affairs has been established, formed from among the initiative students of faculties on an elective basis. The tasks of the Senate is to assist the University administration in carrying out educational, educational and social policy. Publishes the newspaper "the STUDENT times". The format of the newspaper allows University students to Express their views on the policy in General and the activities of student government structures.

An alumni Association has been established (but does not work) to facilitate the implementation of the educational program in connection with employers and the subsequent employment of graduates of the faculty of Economics.

Strong sides /best practice

- There is a clear policy of formation of the contingent of students.
- Contracts with 17 bases of practices are signed.

The recommendations of the EEC

- Strengthen cooperation with partner universities to implement academic mobility programs for students.
- To ensure the effective work of the alumni Association.
- To include in the work plan of the departments of the faculty of energy indicators of research work of students.
- To ensure regular work of student scientific circles, design bureaus and other structures in the main areas of scientific work of each Department of the faculty of energy.
- To analyze the needs of the labor market and the demand for specialties among potential entrants and their parents before the opening of new specialties (taking into account the negative experience of the opening of specialties of the energy faculty without further recruitment of entrants).

The conclusions of the EEC on the criteria for the accredited educational program are strong-3, satisfactory-7, offer improvements -2.

### ***6.7. Standard " Teaching staff»***

The faculty of Economics and management considers the teaching staff as the main resource for the educational process and takes the necessary measures to improve the skills and training. University teachers are elected to their positions in accordance with the rules of competitive substitution of positions of scientific and pedagogical staff of higher educational institutions (in accordance with the documented procedure). Preference in the competitive selection is given to the most qualified candidates from among those with academic degrees and titles.

Quantitative structure and qualification of teachers corresponds to the directions of preparation of bachelors, and meet the license requirements. Selection of personnel is implemented on the basis of the analysis of the educational program needs, according to their results; a competition for vacant positions is



announced. When applying for a job, one of the mandatory conditions is the presence of the contestant's higher professional education, academic master's degree, academic degree of candidate or doctor of PhD, compliance of education with the profile of the University specialties, etc. Documents relating to the personnel policy of the University are available to all interested persons. Contracts and employment contracts are concluded with the teachers employed.

The strategic plans of the University and the faculty contain requirements for improving the quality of the teaching staff.

### ***6.8. Standard " Educational resources and student support systems»***

The faculty of Economics and management has the material and technical base, which ensures the implementation of the accredited educational program. Noted that the educational building of the University is 245132 and adapted to educational activities. A long-term development plan for 2017-2022 has been developed, which provides for the creation of a research and production site for the energy faculty, as a center for training in new technologies.

For students of the 580100 – "Economy" direction in 2018 new laboratories equipped with the equipment and means of computer equipment are open, there is a wide range of the multimedia and demonstration equipment. However, the laboratory equipment used is mostly outdated, the volume of purchases of new equipment is very small and does not provide the necessary quality of the educational process.

The University demonstrates the support of students, created a number of structures that implement support mechanisms in the areas of activity. There is a cultural and aesthetic center, a hostel, organized catering, student hall, clubs and associations of interest.

AVN information system provides technological support to students and faculty. Other licensed software products were also purchased and implemented.

Since 2015, the faculty of Economics and management has been using the system StrikePlagiarism.com to check student and scientific works for plagiarism, however, this use is formal, and there is no variability in the topics of diploma and course design.

It is important that the provision of the accredited educational program resources meets the licensing requirements; all students have access to educational materials and library Fund. The library OshTU is 109459 books. All subjects of the curriculum are provided with educational literature on paper and electronic media.

The University has created a single information network, which provides access to employees and students, including through wireless technologies.

The faculty of Economics and management does not fully create safe conditions for the implementation of the educational process and training of employees, the equipment of classrooms and laboratories does not fully meet the requirements of safety and health standards.

#### **Strong sides/best practice**

- Taking into account the needs of different groups of students.

The recommendations of the EEC

- To provide constant updating of material and technical base of educational process.
- To bring all classrooms and laboratories of the faculty of energy into compliance with the requirements of sanitary standards
- To work to improve the safety of work in educational laboratories, to exclude the cases of training sessions on non-core subjects in educational laboratories.
- Provide 100% variability of the thesis topics, eliminating repetitive topics, including different years of study (with analysis of plagiarism).

The conclusions of the EEC on the criteria for the accredited educational program are strong-0, satisfactory-5, offer improvements -4.

### ***6.9. Standard «Public Information»***

The faculty of Economics and management follows the principles of openness and accessibility to the public, places complete and accurate information about the activities of the University on information resources on the Internet.

A press service has been set up at the faculty, and persons responsible for informing the public in each unit have been appointed. Information booklets are updated periodically.

The AVN information system and the unified CommFort e-mail system make it possible to implement corporate mailings and ensure prompt communication of management with employees and departments, as well as teachers with students.

The University has 3 TV studios, periodical scientific journal "Izvestiya OshTU" is published. Information stands are periodically updated, video materials are removed.

Senior management of OshTU demonstrates openness to contacts with students, including through e-mail. The feedback of students with the rector of OshTU is provided through the rector's e-mail.

The University regularly conducts a survey of students on the quality and availability of information. According to the results of the survey, corrective actions are planned.

A number of information functions are performed by the center of education and career created at the University, focused on employment and organization of practices of students and graduates.

The website of the faculty of Economics and management is implemented in 3 languages (Kyrgyz, Russian and English) and reflects information about the structural units and the main processes of the faculty. The information on the website is constantly updated. The University regularly publishes information on the accredited educational program on its website. Also used to inform Newspapers and television Studio of the University. OshTU publishes audited financial statements on its website.

Information about passing scores and training opportunities is posted on the corporate website. In addition, there is additional information for applicants, including the necessary regulations. Also on the site there is enough complete information about the teaching staff of the accredited specialty in the context of departments.

The University is actively working with partners, the results of which are posted on the corporate website and other media.

Strong sides/best practice

- Quite effective information policy of the University.
- The use of different ways of disseminating information.
- Availability of own publications (magazine, newspaper).
- The presence of a television Studio.
- Website of the faculty of Economics and management in three languages.
- Availability of the Center of education and career.

The recommendations of the EEC

- To strengthen the use of the potential of social networks to promote the University.
- Ensure that external evaluation procedures are periodically conducted and their results are publicly available.

The conclusions of the EEC on the criteria for the accredited educational program are strong-6, satisfactory-6, offer improvements-1.

#### **6.10. Standard «Standards in the context of individual specialties»**

According to the accredited educational program 580100 - "Economy" training of specialists is conducted from the moment of its opening in full-time and correspondence forms of training on the basis of secondary General and higher education. Data on the contingent of the students accredited by EP are reflected in the table:

**Table 1. The contingent of students of the direction "580100 Economics"**

Year	Courses											Full time	Dist .
	I		II		III		IV		V		total		
	Full time.	Dist	Full time.	Dist	Full time.	Dist	Full time.	Dist	Full time.	Dist			
<b>Profile "Finance and Credit"</b>													
2015	18	24	30	25	23	114	41	29	-	-	327	112	192
2016			31	35	15	137	21	116	-	91	446	67	379
2017					28	40	18	122	-	108	316	46	270
<b>Profile "Accounting and Auditing"</b>													
2015	21	-	31	24	21	88	36	21	-	-	242	109	133
2016			24		26	151	24	108	-	63	396	74	322
2017					27	40	28	137	-	93	325	55	270
<b>Profile "Economics and Enterprise Management"</b>													

2015	-	-	15		18	39	-	-	-	-	72	33	39
2016					14	38	14	29	-	22	117	28	89
2017							14	29	-	26	69	14	55

The educational program includes disciplines and activities aimed at obtaining practical experience and skills in the specialty. The content of academic disciplines is based on disciplines according to the educational standard of the country.

The faculty of Economics and management ensures the implementation of the competence approach. Practical orientation of training is achieved through the involvement of specialists with experience in the organizations of the real sector of the economy, the organization of practices on the basis of employers, the use of modern methods of training and equipping the educational process with the necessary resources. Special attention is paid to the introduction of information and communication technologies in the educational process.

On the basis of employers also organized laboratory and practical work, course and diploma design. Within the framework of the accredited educational program, contracts with 17 specialized enterprises of the region were signed.

As a result of the practices, there are positive feedback from employers about the graduates of the accredited educational program.

Strong sides/best practice

- EP includes disciplines and activities aimed at gaining practical experience, including the use of employers' resources.

- The content of all disciplines of EP is clearly connected with the content of fundamental natural Sciences and Humanities.

- Wide use of modern information technologies in the educational process.

The recommendations of the EEC

- To ensure greater involvement of practitioners in the teaching of OP disciplines.

- To introduce a project method of training in the performance of laboratory workshops (primarily in the disciplines of specialization).

The conclusions of the EEC on the criteria for the accredited educational program are strong-3, satisfactory-2, offer improvements-0.

## **(VII) REVIEW STRONG SIDES/ GOOD PRACTICES FOR EACH STANDARD**

Standard «Management of basic educational programme»

- The faculty of Economics has a published quality assurance policy reflecting the relationship between research, teaching and learning.

-Responsible for business processes within the EP are appointed, the duties of the staff are clearly distributed, the functions of collegial bodies are delimited.

Standard «Information Management and reporting»

- There is a working information system for collecting and processing data on the activities of the University, access to which is provided for all representatives of employees and students.

- The information system of the University is built with the use of modern information technologies.

- Information is processed by authorized persons, reports are systematically considered at meetings of collegial bodies.

- Personal information is protected at the level of security standards of the AVN information system used.

Standard «Development and approval of basic educational programme»

- There are documented procedures for the development and approval of the EP.

- The possibility of students' choice of individual educational trajectories is provided.

Standard «On-Going monitoring and periodic evaluation of educational programs»

#### Strong sides/best practice

- Availability of mechanisms for monitoring and periodic evaluation of OP with the use of modern information systems

- Mechanisms for monitoring EP take into account the load, performance and output of students.

Standard «Student-Centered learning, teaching and performance assessment»

- The availability of the information system of the AVN, available to all students.

- Taking into account the needs of students, the presence of a feedback system with students.

- Providing students with variable educational trajectories.

- The use of different forms and methods of teaching.

- Working mechanisms for assessing learning outcomes.

Standard «Students»

Strong sides/best practice

- There is a clear policy of formation of the contingent of students.

- Contracts with 17 bases of practices are signed.

- Support for gifted students.

Standard «Teaching staff»

Strong sides/best practice

- Transparent personnel policy

- Good involvement of TS in the life of the region and society as a whole

Standard «Educational resources and student support systems»

Strong sides/best practice

- Taking into account the needs of different groups of students.

Standard «Public Information»

- Quite effective information policy of the University.

- The use of different ways of disseminating information.

- Availability of own publications (magazine, newspaper).

- The presence of a television Studio.

- Faculty of Economics website in three languages.

- Availability of the Center of education and career.

Standard «Standards in the context of individual specialties»

- EP includes disciplines and activities aimed at gaining practical experience, including the use of employers' resources.

- The content of all disciplines of EP is clearly connected with the content of fundamental natural Sciences.

- Wide use of modern information technologies in the educational process.

### **(VIII) REVIEW RECOMMENDATIONS FOR IMPROVING QUALITY**

1. Provide training for 100% of the heads of the faculty of Economics and management (Dean, Deputy Dean, head. departments) strategic planning and risk assessment mechanisms.

2. To provide periodic discussion of the results of staff and students' satisfaction assessment, as well as the performance of staff (including rating) at the meetings of departments.

3. To introduce mechanisms of teaching staff workload management depending on the personal contribution to the implementation of the faculty strategy.

4. To provide additional encouragement to persons performing social and administrative work on a voluntary basis by setting individual standards for the teaching load.

5. To strengthen the work on attracting the best students of economic faculty for training in a magistracy and postgraduate study with the purpose of formation of a personnel reserve and rejuvenation of the teaching staff of the University.

6. To ensure effective interaction of the faculty staff with the research Department in the field of preparation of project applications, R & d, establishment of productive relations with customers of scientific and technical products, technology transfer, etc.

7. To enhance the activity of TS on preparation of project proposals for participation in competitions of projects at all levels (including scientific projects and programs of international technical assistance).

8. To provide faculty staff access to scientometric information of international databases of scientific publications (Scopus, Web of Science), to conduct training courses on scientometrics for faculty.
9. Enter the criteria for the annual evaluation of teaching staff consideration of the Hirsch index of the employee.
10. Set minimum requirements for publication activity in publications with impact factor for candidates and doctors of Sciences.
11. Organize the rating of publication activity of TS on the basis of the h-index. To introduce a system of financial incentives for the rating winners.
12. To intensify the work of TS with enterprises and organizations in the region to conclude economic contracts for the implementation of R & d and the provision of scientific and technical services.
13. Provide planning and accounting of financial indicators of research activities of the faculty of Economics
14. Include in the work plan of departments of faculty of Economics indicators of research work of students.
15. To ensure regular work of student scientific circles, design bureaus and other structures in the main areas of scientific work of each Department of the faculty of Economics.
16. Ensure monitoring and periodic evaluation of the EP, taking into account the latest developments in science and technology.
17. To inform all stakeholders about changes in the EP, the publication of all changes in the EP in the public domain.
18. Provide continuous updating of material and technical base of educational process.
19. To introduce the project method of training in the performance of laboratory workshops (primarily in the disciplines of specialization)
20. To strengthen the role of student self-government in decision-making by the faculty administration. Ensure the entry of representatives of student government in the faculty Council.
21. Bring all classrooms and laboratories of the faculty of Economics into compliance with the requirements of sanitary norms.
22. To carry out work to improve the safety of work in educational laboratories, to exclude the cases of training sessions on non-core subjects in educational laboratories.
23. Provide 100% variability of topics of final qualifying works, eliminating repetitive topics, including different years of study.
24. Provide conditions for professional certification of graduates
25. To analyse the needs of the labor market and the demand for specialties among potential applicants and their parents before the opening of new specialties (taking into account the negative experience of the opening of specialties of the energy faculty without further recruitment of applicants).
26. To strengthen the use of the potential of social networks to promote the University on the Internet.