

To Accreditation Council
Of The Eurasian Center for Accreditation
And Quality Assurance
In Higher Education and Health Care

**REPORT
OF THE EXTERNAL EXPERT COMMISSION
ON THE RESULTS OF THE ASSESSMENT OF THE EDUCATIONAL PROGRAMME
6B10104 "PHARMACY" OF NJSC "Semey Medical University" IN COMPLIANCE WITH
STANDARDS FOR ACCREDITATION OF BACHELOR EDUCATIONAL PROGRAMMES
IN SPECIALTIES "PHARMACY" AND "TECHNOLOGY OF PHARMACEUTICAL
PRODUCTION**

period of external expert commission: 18.05.-20.05.2021

Almaty, 2021

CONTENT

	List of symbols and abbreviations	2
1	EEC composition	4
2.	General part of the final report of the EEC	8
2.1	Presentation of the NJSC "Semey Medical University" and the educational programme in the specialty 6B10104 "Pharmacy"	8
2.2	Information about previous accreditation	8
2.3	Analysis of the self-assessment report of the educational programme in the specialty 6B10104 "Pharmacy"	8
2.4	General assessment of the educational programme in the specialty 6B10104 "Pharmacy" for compliance with the Standards of accreditation of bachelor's degree programmes in the specialties "Pharmacy" and "Technology of pharmaceutical production"	
3.	Description of the stages of external expert commission and conclusion	9
4.	Analysis for compliance with accreditation standards based on the results of an external assessment of the educational programme in the specialty 6B10104 "Pharmacy» of NJSC "Semey Medical University" and an overview of the strengths for each standard	16
5.	Recommendations for improving the educational programme in the specialty 6B10104 "Pharmacy» of NJSC "Semey Medical University"	27
6.	Recommendation to the ECAQA Accreditation Council	28
	Attachment 1. Quality profile and criteria for external evaluation of the educational programme in the specialty 6B10104 "Pharmacy" of the NJSC "Semey Medical University" for compliance with the ECAQA Accreditation Standards	30
	Attachment 3. List of documents requested by EEC members in the framework of specialized accreditation	31

LIST OF SYMBOLS AND ABBREVIATIONS:

AMP	Administrative and management personnel
BD (O)	Basic disciplines (training)
GP	General Practitioner
University	Higher educational institution
EKR	East Kazakhstan region
SAC	State Attestation Commission
SCES	State compulsory education standard
GPA	Weighted average assessment of the level of educational achievements of a student in the chosen specialty
DAD	Department of Academic Development
DSHR	Department of Science and Human Resources
DOPs	Direct observation
ECTS	European Credit Transfer and Accumulation System
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care
FSA	Final state attestation
IC	Individual curriculum (resident)
ILS	information library system
CVI	Coronavirus infection
COC	Component of choice
CEP	Committee of educational programmes
QED	Catalog of elective disciplines
LMS	learning management system KEYPS
MoH RK	Ministry of Health of the Republic of Kazakhstan
Mini-CEX	Mini Clinical Exam
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MEO	Medical education organization
MA	Methodical advice
NJSC "SMU"	Non-profit Joint Stock Company "Semey Medical University"
R&D	Research work of a resident
IQAA	Independent Agency for Quality Assurance in Higher Education
SSC	Scientific student circle
STP	Scientific and technical programme
NCIE	National Center for Independent Examination
EP	Educational programme
IA	Intermediate attestation
PBL	Problem- based learning
MD	Major disciplines (training)
PHC	Primary health care
PPP	Faculty
RSE on REM	Republican state enterprise on the right of economic management

WC	Working curricula
CBL	Case-based-learning
NKR	North-Kazakhstan region
QMS	Quality Management System
SOP	Standard operating procedures
IWS	Independent work of students
IWR	Independent work of a resident
SC	Simulation center
IWRT	Independent work of a resident under the supervision of a teacher
TBL	Team-based-learning (training in a team)
TC	Typical curricula
ERWR	Educational and research work of residents
AC	Academic Council
CNM&O	Center for Nuclear Medicine and Oncology
GCC	Graduate Career Center

1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 16 dated April 20, 2021, an External Expert Commission was formed to conduct accreditation of educational programmes for residency specialties of NJSC "Semey Medical University" in the period 18-20.05.2021:



Chairperson of the External Expert Commission

KUZGIBEKOVA ALMA BOLATOVNA,
Candidate of Medical Sciences, Professor of the
Department of Childhood Diseases, Karaganda
Medical University,
Honorary Worker of Education of the Republic
of Kazakhstan, Accredited independent expert
in assessing the quality of medical services.



Foreign expert

RIPP EVGENY GERMANOVICH
Candidate of Medical Sciences, Associate
Professor, Head of the Accreditation and
Simulation Center of the Institute of Medical
Education of the Federal State Budgetary
Institution "National Medical Research Center
named after V. A. Almazov " of the Ministry
of Health of the Russian Federation,
Member of the Board of the Russian Society
for Simulation Education in Medicine
(ROSOMED), Member of the ROSOMED
Programme Committee, Instructor of the
European Resuscitation Council (ERC)



National academic expert

ALMAGUL AMANGELDINOVNA
KAUYSHEVA,
Candidate of Medical Sciences,
Vice-rector for educational and scientific
activities of the Kazakhstan Medical
University "HSPH",
Accredited independent expert in assessing the
quality of medical services, Deputy
Chairperson of the Board
RPO "Kazakhstan Alliance of Medical
Organizations".



National academic expert
SHUKIRBEKOVA ALMA
BORANBEKOVNA,
Doctor of Pharmaceutical Sciences, Professor,
Dean of the Faculty of Pharmacy
NJSC "Astana Medical University"



National academic expert (online)
ISENOVA SAULE SHAIKENOVNA,
Doctor of Medical Sciences,
Professor of the Department of Obstetrics and
Gynecology
NJSC " Asfendiyarov KazNMU"



National academic expert
ESENKULOVA SAULE ASKEROVNA,
Doctor of Medical Sciences, Associate
Professor of the Department of Oncology
NJSC " Asfendiyarov KazNMU "
Member of the Association of Oncologists of
the Republic of Kazakhstan



National academic expert
KUDABAEVA KHATIMIA ILYASOVNA,
Candidate of Medical Sciences, Professor
Department of Internal Medicine №1
NJSC "West Kazakhstan Medical University
named after Marat Ospanov "



National academic expert
KENZHEGULOVA RAUSHAN
BAZARGALIEVNA,
Candidate of Medical Sciences,
neurology residency instructor of
Corporate Fund "University Medical Center"



National academic expert
RINAT MUZAFAROV,
Head of the Department of International
Cooperation and Public Relations of the
Republican State Enterprise "Republican
scientific and practical center of psychiatry,
psychotherapy and narcology " of MoH RK



National academic expert
SADIEVA ZHANAR ZAMANKHANOVNA,
anesthesiologist-resuscitator,
Head of Postgraduate Education Department of
JSC "South Kazakhstan Medical Academy"



National academic expert
RAKHMANOV ELTAI UTEMURATOVICH,
PhD
Deputy Director of Master's Degree in
Sports Medicine and Rehabilitation of
Nazarbayev University School of Medicine



National academic expert

RAMAZANOVA MANSHUK ANEROVNA,
Senior Lecturer of the Department public
health and Health care of
NJSC "Asfendiyarov KazNMU"



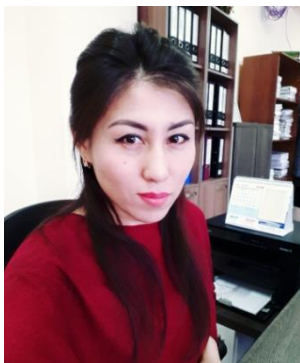
Expert - employers' representative

SARSENBINA LYAZZAT KYRYKBAEVNA,
Candidate of Medical Sciences,
highest qualification category
in the specialty: "Public health",
Chief physician of the MSOPE "CPMSP No.
12, Semey



Expert - representative of undergraduates

MAZANBEKOVA MERUERT
YERZHANOVNA,
2nd year undergraduate student in the specialty
"Pedagogy and Psychology" of the Kazakh
Humanitarian - Legal Innovative University in
Semey.



ECAQA Observer

UMAROVA MAKPAL ALDIBEKOVNA,
Head of Accreditation and Monitoring
Department
Of "Eurasian Center for Accreditation and
Quality Assurance in Higher Education and
Health Care"

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The work of the EEC was carried out in accordance with the Regulations on the EEC (Order of the ECAQA Director general No. 4 dated February 13, 2017).

The EEC report contains an assessment of the educational programme in the specialty 6B10104 "Pharmacy" of the NJSC "Semey Medical University" for compliance with the Standards of accreditation of bachelor's educational programmes in the specialties "Pharmacy" and "Technology of pharmaceutical production" of medical educational institutions of the ECAQA, recommendations of the EEC on further improving the educational activities of the SMU in areas of higher education.

2. General part of the final report of the EEC

2.1 Presentation of the NJSC "Semey Medical University" (ICU) and the educational programme in the specialty 6B10104 "Pharmacy"

Semey Medical University was founded on September 1, 1953 with the opening of the Faculty of Medicine, to which the first 320 students were enrolled.

In total, over the years of its existence, graduates of the university have been successfully working throughout Kazakhstan, near and far abroad. Today, Semey Medical University is one of the largest higher medical educational institutions of the Republic of Kazakhstan, which has its own University hospital, as well as branches in the cities of Pavlodar and Ust-Kamenogorsk, rich historical traditions, huge potential and reputable schools.

The Faculty of Pharmacy was opened in 2003. From the 2007-2008 academic year, the credit technology of training in the specialty 5B110300 "Pharmacy" was introduced on the basis of the State Educational Standard of the Republic of Kazakhstan 3.07-476-2006. Duration of training is 5 years. In 2008, the first graduation of 16 pharmacists took place. The faculty has made 8 editions and trained 83 pharmacists. Graduates are awarded an academic degree - Bachelor of Health care in the specialty 6B10104 "Pharmacy".

The contingent of students by years was: 2016-17 - 34; 2017-18y -48; 2018-19 -50; 2019-20 - 55; 2020-21yy - 87.

In 2016, the 6B10104 "Pharmacy" programme passed specialized accreditation and received an accreditation certificate for a period of 5 years.

The mission of EP Pharmacia corresponds to the mission of the university and confirms the provision of a high-quality educational environment conducive to the training of highly qualified specialists who can meet the needs and expectations of society in providing pharmaceutical services to the population, apply and develop advanced innovative technologies in pharmacy, science and practice.

The main educational structural unit of the University, which coordinates training for the undergraduate specialty 6B10104 "Pharmacy" is School of Public Health, Dentistry, Pharmacy and Nursing. The school unites the departments of biochemistry and chemical disciplines, pharmacology, public health, responsible for the graduation of bachelors of the specialty "Pharmacy".

2.2 Information on previous accreditation

Accreditation of the bachelor's educational programme in the specialty 6B10104 "Pharmacy" took place in 2016.

2.3 Analysis of the self-assessment report of the educational programme of the bachelor's degree in the specialty 6B10104 "Pharmacy"

Preparation for specialized accreditation of the SMU was carried out on the basis of order No. 32 dated January 18, 2021 "On the creation of a Working group for writing a" Self-assessment report "of specialized and primary accreditation for 18 educational programmes of the SMU"

Self-assessment report educational programme presents 139 pages and contains 5 annexes according to the relevant standards.

The report is characterized by answers to the criteria of 9 accreditation standards, structuredness taking into account the recommendations of the ECAQA Self-Assessment Guidelines, as well as

internal consistency of information. The report is accompanied by a cover letter signed by the Chairperson of the Board-Rector of the SMU prof. Ersin Tursunkhanovich Zhunusov confirming the accuracy of the information and data contained in the report.

The report contains information about the representative of the SMU responsible for the self-assessment of educational programmes, Ph.D. Zhanaspava Marat Amangazievich, Deputy Chairperson of the Board for Academic Affairs.

A working group of 6 people headed by a representative of the SMU responsible for conducting a self-assessment of the educational programme to request and obtain the necessary information Ph.D. Zhunusova A.B. Some work was done: the content of the accredited educational programme, the conditions for its implementation, staffs, educational resources, the dynamics of development from the date of the previous accreditation in 2016 were analyzed, the necessary information was collected in accordance with the Standards of accreditation of bachelor's educational programmes in the specialties "Pharmacy" and " Pharmaceutical Manufacturing Technology "ECAQA (hereinafter - accreditation standards); a thorough analysis, updating and addition of methodological and educational materials was carried out, their content is reflected in the report. The content of the Self-Assessment Report is structured in accordance with the ECAQA Accreditation Standards and includes a description of the strengths,

All standards show actual practice SMU for the preparation of bachelors in the specialty "Pharmacy", reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description is fairly completed and updated in terms of the number of bachelors, teachers, administration, information on admission, learning outcomes, results of knowledge and skills assessment, material and technical base of the university and practical bases, contractual obligations with partners (universities, associations, bases), financial information, plans for development and improvement, and etc.

Thus, the self-assessment report of the SMU accredited bachelor's degree programme contains objective, detailed, structured information on all activities in accordance with the ECAQA accreditation standards, and the university made the appropriate corrections in the report at the expert commission stage.

3. Description of external expert commission

External expert work on the assessment of the educational programme of the bachelor's degree in the specialty 6B10104 "Pharmacy" of the SMU was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA (approved by order of the Director General of the NU "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care" No. 5 of 17.02.2017) and according to the programme and schedule approved on 06.05.2021 by the Director general of ECAQA Sarsenbayeva S.S. and agreed with the rector E.T. Zhunusov.

To obtain objective information on the expert assessment of the accredited educational programme, members of the EEC used the following methods: interviews with management and administrative staff, interviews with students, observation, study of the website, interviewing employees of various structural units, teachers, questioning teachers and students, review of resources in the context of the implementation of accreditation standards, the study of regulatory and educational-methodological documents both before the visit to the SMU and during the visit.

The SMU staff ensured the presence of all persons indicated in the visit programme and according to the lists of interview sites (Table 1).

Table 1 - Information on the number and category of participants in meetings, interviews, interviews with members of the EEC

No.	FULL NAME.	Position \ course
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List of teachers		
1.	Smailova Zh.K	Head of the Department of Biochemistry and Chemical Disciplines named after Dr. med. S.O. Tapbergenova
2.	Tuleutaeva R.E.	Head of the Department of Pharmacology named after M.N. Musina
3.	Ablenova A.T	Art. Lecturer at the Department of Biochemistry and Chemical Disciplines named after Dr. med. S.O. Tapbergenova
4.	Olzhaeva R.R.	Art. Lecturer at the Department of Biochemistry and Chemical Disciplines named after Dr. med. S.O. Tapbergenova
5.	Babaeva G.S.	Lecturer at the Department of Biochemistry and Chemical Disciplines named after D.Med.Sc. S.O. Tapbergenova
6.	Murtazina D.D.	Lecturer at the Department of Biochemistry and Chemical Disciplines named after D.Med.Sc. S.O. Tapbergenova
7.	Bayakhmetova B.B	Art. Lecturer at the Department of Biochemistry and Chemical Disciplines named after Dr. med. S.O. Tapbergenova
8.	Yelemesova Zh.G	Art. Lecturer at the Department of Biochemistry and Chemical Disciplines named after Dr. med. S.O. Tapbergenova
9.	Kalgabayeva J.E	Lecturer at the Department of Public Health
10.	Kairatova G.K	Lecturer at the Department of Public Health
11.	Amrenova Sh.Sh.	Lecturer at the Department of Pharmacology named after M.N. Musina
12.	Zheldibaeva U. T	Lecturer at the Department of Pharmacology
13.	Tolegenov M.M	Lecturer at the Department of Pathological Anatomy and Forensic Medicine. prof. Yu.V. Pruglo
Students list		
14.	Zhursinova Nuray	Pharmacy 5 course
15.	Baibosynova Dana	Pharmacy 5 course
16.	Aytkazina Shyfyla	Pharmacy 5 course
17.	Amrenova Dina	Pharmacy 4 course
18.	Қабдраһим Аяна	Pharmacy 4 course
19.	Yerlankyzy Anel	Pharmacy 4 course
20.	Aydabulova Aydana	Pharmacy 4 course
21.	Kadyrbaeva Gulzhan	Pharmacy 4 course
22.	Azimbaev Adil	Pharmacy 4 course
23.	Kokanova Kuralay	Pharmacy 4 course
24.	Sagadatova Makpal	Pharmacy 4 course
25.	Kairdaev Kabas	Pharmacy 3 course
26.	Apsemet Nazym	Pharmacy 3 course
27.	Zhursinova Nuray	Pharmacy 5 course
List of alumni		
28.	Nagashibaev Amanzhol Kulmaganbetuly, Pharmacy release 2018	Deputy Head of the RSU Directorate of Sanitary and Epidemiological Control of the Altai District of the Department of Sanitary and Epidemiological Control of the East Kazakhstan Region

29.	Lespaeva Aigerim Aitbekovna, Pharmacy 2013 release	MSE on REM "RB Ulansky district" HD EKR Pharmacist
30.	Kasenova Saniya Sembraevna, Pharmacy 2013 release	G. Kurchatov, Pharmacy Manager
31.	Farhadov Aidan, Pharmacy release 2017	Category III expert, Department of Pharmaceutical Expertise, Department of Specialized Expertise of Medicines, RSE on REM "National Center for Expertise of Medicines and Medical Devices" of the Committee for Medical and Pharmaceutical Control of the Ministry of Health of the Republic of Kazakhstan, Nur-Sultan
32.	Dolgopolov Denis Aleksievich, Pharmacy release 2019	Department of the Medical and Pharmaceutical Control Committee of the Ministry of Health of the Republic of Kazakhstan in Pavlodar region. Chief Specialist of the Department of the Pharmaceutical Inspectorate and Public Services in the field of pharmaceutical activities.
33.	Buenbaev Adlet Talapuly, Pharmacy release 2019	LLP "Transatlantic Himalaya", medical representative
34.	Esbolatova Aigerim, Pharmacy release 2019	Is studying in the magistracy in the specialty "Pharmacy» of NJSC "KazNMU named after S. D. Asfendiyarov"
List of employers		
35.	Korabelnikova Galina Nikolaevna	Regional manager of the company Dr. Reddis
36.	Turubaeva Natalia Evgenievna	Director of IE Turubaeva

The sequence of the visit within 3 days (May 18-20, 2021) is detailed in the Visit Programme, which is in the documentation of the accreditation center and in the Attachment to this report.

The first day of the visit is 05/18/2021. During the meetings with the management and key employees of the SMU, the fulfillment of most of the criteria for accreditation standards 1,2,5,7,8,9 was determined, namely, approaches to the development of the mission of the educational programme and its compliance with the strategic goals of the university were identified, the degree involvement of stakeholders in the development, mechanisms in determining the appropriate specialty of university / postgraduate education of practical / clinical bases and qualified teachers, guaranteeing the sufficiency of educational resources through planning public procurement and concluding agreements with national and international partners.

In order to obtain evidence of the quality of the EP and to validate the performance of the self-assessment report data, 14 students were interviewed on a zoom platform. The experts asked questions about the involvement of students in the formation of the mission and goals of the university and the educational programme, about competencies and end results, information, library and Internet accessibility, about the incentives from the university, about the equipment of classrooms, laboratories and practice bases, about participation in social the cultural life of the university, etc. In general,

students are satisfied with the study, the availability of all the necessary resources, and purposefully entered this organization, as they believe that the SMU has good educational resources and image. Students were active in answering questions from external experts, demonstrated their judgments on the organization of training,

Online interviews with graduates of the bachelor's degree showed the demand for graduates and the EP "Pharmacy" of the SMU by medical organizations of all regions of Kazakhstan and the need to open postgraduate pharmaceutical education at the university.

A review of resources showed that the material and technical base of the SMU corresponds to the goals and objectives of the relevant educational programmes, since it has 4 educational laboratories, a Clinical Training Center (for practicing practical skills in the elective disciplines "Emergency Aid" for the 3rd year, "Simulation course for pharmacists" - 5 course) and the Center for Research Laboratories, intended for the implementation of EP "Pharmacy", equipped with laboratory equipment, spectrophotometers, installations for the synthesis of medicinal substances, spectrodose meter, gas and gas-liquid chromatographs, interactive whiteboards, computers, etc. Before the start of the corresponding discipline of the educational programme, the student receives a syllabus from the teacher and knows what skills he must acquire and develop during the training.

The experts examined the documentation on educational programme 6B10104 "Pharmacy" link https://drive.google.com/drive/folders/1LQI2o3575NcqGL_PjIuVOSNVJzeLB3fE?usp=sharing, which confirmed the compliance with accreditation standards, including documentation on the scientific and pedagogical activities of teachers and students of the School of Public Health, Dentistry, Pharmacy and Nursing at the request of EEC members...

Further took place EEC meeting, discussion of the results of the first day of external evaluation, exchange of views.

The second day of the visit is 05/19/2021.

The day was devoted to visiting the bases for the implementation of the Bachelor's degree programme in the specialty "Pharmacy", in particular, the experts attended classes (at 8.00-9.50) on the discipline "Modern history of Kazakhstan" in 1301, 1302 groups of the pharmaceutical faculty. Classes were held according to the calendar plan on the topic "N.A. Nazarbayev is a personality in history". Each classroom is equipped with an interactive whiteboard, with the help of which a presentation of the main topic of the lesson is carried out, the capabilities of the Capes programme in organizing this type of lesson and assessing students are demonstrated.

Then the experts visited the practice base - Neighborhoods of the city of Semey, which are rich in medicinal plants, which make it possible to carry out industrial practice in pharmacognosy in the field (which is required by the State Educational Standard of Education, Syllabus of discipline, while other universities in quarantine are forced to conduct this practice online), in particular, experts from the EEC have witnessed collection and carrying out of phytochemical analysis of medicinal raw materials containing polysaccharides.

The experts noted the high activity of students in the process of learning and mastering practical skills.

In order to identify the degree of involvement of teachers in the formation of the educational programme "Pharmacy", external experts (within the framework of interviewing 13 teachers of the main departments that implement EP "Pharmacy") received an opinion on the strengths and weaknesses of the educational programme, stimulation of teaching activities, the availability of information about the educational programme and etc. The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers. The experts found that teachers, together with students, are actively engaged in research work, provide professional internships in the best production bases and laboratories in the country.

Interviews with employers on all SMU educational programmes declared for accreditation were conducted online and included such issues as: strengths and weaknesses of educational programmes, participation in the development of the mission, participation in the work of the SMU advisory bodies,

satisfaction with basic knowledge and skills of students, provision of the necessary resources for passing professional practice, etc.

Then a meeting of the EEC members took place following the results of the second day of the external evaluation visit.

The third day of the visit May 20, 2021

Experts visited: Quality control department of medical education and the Department of Strategy and QMS, where the responsible persons made presentations on the activities of these departments. The experts asked many questions, to which comprehensive answers were given.

The experts studied the documentation of the departments responsible for the implementation of the EP "Pharmacy", which confirmed the compliance with accreditation standards (EMC, QED, feedback questionnaires with students, teachers, the code of ethics, etc.), including documentation (reviews of the EP, EMC in pharmaceutical chemistry and pharmacognosy, a list of equipment for specialized training laboratories) at the request of members of the EEC.

Then a meeting of the EEC members took place following the results of the external evaluation. A final discussion of the results of external assessment, study of documents, results of interviews, interviews, questionnaires was held. The members of the EEC started to design the final report of the EEC.

EEC members made generalizations of the results of the external evaluation. Individually filled by experts "Profile of quality and external assessment criteria for compliance with the Accreditation Standards of the undergraduate programme of medical educational institutions of ECAQA." No comments were made by the EEC members. A draft report with recommendations was prepared.

Chairperson of the EEC prof. Kuzgibekova A.B. a final open vote was held on recommendations for the SMU to improve the educational programme 6B10104 "Pharmacy" and a final vote on recommendations for the ECAQA Accreditation Council. Further, the Chairperson of the EEC for the management and employees of the educational organization announced recommendations on the results of an external assessment as part of the accreditation of educational programmes for undergraduate and residency specialties.

Results of the survey.

An observer from the ECAQA in May 18-20, 2021 conducted an online survey of students and teachers of the NJSC SMU on the resource [https://webanketa.com/...](https://webanketa.com/)

Residents survey results:

Of the total number of respondents, residents prevailed - 79%, further down the list: bachelor students - 9.5%, undergraduates - 7.5%, graduates - 4%.

Will recommend this university as an educational organization - 86% fully agree, partially - 11%. 90% of those surveyed fully agree and 8.5% partially agree that programme managers and teaching staff are aware of their learning problems. Fully (88.5%) and partially (10%) are satisfied with the conditions and equipment of classrooms and classrooms of the university. According to 87% (in full) and 11.5% (in part) office equipment is available for residents at practice bases. Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes - 92% fully agree, partially - 6%. Fully (90.5%) and partially (9%) are satisfied with the library fund and resources. 97% of respondents have access to electronic educational resources, and 3% believe that it is partially.

The organization of clinical training for residents, according to 84.5%, fully satisfies them, and 12.5% partially. There is enough time for practical training (supervision of patients, etc.) - 93.5% fully agree, and 5.5% partially. Satisfied with the methods of assessing my knowledge and skills - 94.5% fully agree, 3.5% partially. In the opinion of 88.5% of teachers in the classroom, they use active and interactive teaching methods regularly, and in the opinion of 9.5% - rarely.

In the opinion of 92% of the respondents, teachers constantly provide feedback after the end of classes, but in the opinion of 5% - sometimes and 0.5% - rarely. 94% are completely satisfied that they are studying at the university, partially 4.5%, disappointed - 1% of the respondents. The university

allows you to improve or acquire the necessary knowledge and skills in the chosen specialty of residency, 97.5% are confident, 2.5% would like to believe it. Fully (94.5%) and partially (5.5%) are satisfied with the organization of teaching at the SMU.

According to 87% of respondents, accreditation is a necessary mechanism to improve educational programmes, but 8.5% believe that it is not necessary to carry out and 4% doubt the answer. The work of the EEC was assessed as positive - 97.5%, satisfactory - 0.5%, i.e. majority.

Results of the survey of teachers:

The total number of respondents - 67, including those with work experience of up to 5 years - 20.9%, up to 10 years - 14.93%, over 10 years - 64.18%.

82.09% are fully satisfied with the organization of the educational process, 16.42% are partially satisfied. At the university, ethics and subordination are observed in full agreement 94.03%, in part - 5.97%. 89.55% of respondents are completely satisfied with the organization of work and workplace, partially 8.96%. In the organization there is an opportunity for career growth and development of competence for teachers - 83.58% fully agree, partially - 14.93%.

In this educational organization, teachers have the opportunity to engage in scientific work and publish the results of research work - 77.61% fully agree, partially 14.93%. 68.66% of respondents are fully satisfied with the work of the personnel department, 28.36% are partially satisfied. Most of the respondents underwent advanced training during this year. Only 91.04% fully agree that they can realize themselves as professionals, and 8.96% - partially. Unfortunately, 17.91% did not answer the question of whether the university supports the teacher in participating in international and national events, and 16.42% did not contact the management or the relevant administrative staff of the university with this. The majority of respondents (85.07%) completely agree, and 13.43% partially agree that the discipline that is taught is provided with sufficient resources (audience, equipment). 59.7% do not know about the implementation of social programmes to support teachers and 1.49% of respondents doubt their existence. Management and administration systematically listen to the opinion of teachers - 62.69%, sometimes - 25.37% of respondents. When teaching students, a variety of teaching methods are used, but more often the analysis of situational tasks (88.06%), work in small groups (62.69%), oral questioning and analysis of the topic (64.18% and 71.64%, respectively), also problem-oriented learning (38.81%), test solving (71.64%), less often cases are compiled and solved (71.64%). 64.18% fully agree that this survey will be useful for developing recommendations for improving the university and residency educational programmes; 28.36% partially agree with this. 7% and 1.49% of respondents doubt their presence. Management and administration systematically listen to the opinion of teachers - 62.69%, sometimes - 25.37% of respondents. When teaching students, a variety of teaching methods are used, but more often the analysis of situational tasks (88.06%), work in small groups (62.69%), oral questioning and analysis of the topic (64.18% and 71.64%, respectively), also problem-oriented learning (38.81%), test solving (71.64%), less often cases are compiled and solved (71.64%). 64.18% fully agree that this survey will be useful for developing recommendations for improving the university and residency educational programmes; 28.36% partially agree with this. When teaching students, a variety of teaching methods are used, but more often the analysis of situational tasks (88.06%), work in small groups (62.69%), oral questioning and analysis of the topic (64.18% and 71.64%, respectively), also problem-oriented learning (38.81%), test solving (71.64%), less often cases are compiled and solved (71.64%). 64.18% fully agree that this survey will be useful for developing recommendations for improving the university and residency educational programmes; 28.36%

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The results of the questionnaire are presented in the Attachment and, in general, demonstrate the effective management of educational programmes, the positive aspects of training on residency programmes, at the same time, identify areas for improvement (social support programmes for teachers, the availability of leadership and administration for teachers and residents, pedagogical competencies and professional development of teachers) ...

Conclusion on the basis of the external evaluation:

Members of the EEC have carefully studied and evaluated the main indicators of the accredited educational programme. The information received by external experts during the study of the self-assessment report, preparation of a written review with recommendations for improvement, implementation of the activities of the visit programme was analyzed from 18 to 20 May 2021. All the information received was compared with the data of the self-assessment report, the information was validated for each criterion of the accreditation standards and the indicators of the Attachment to the self-assessment report were verified, which made it possible to make sure of the reliability provided SMU information and supporting documents for compliance with ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme, the SMU described its best practice in adherence to accreditation standards, during the external expert commission, the members of the EEC studied the main documents (mission and vision of the university, teaching materials of disciplines, individual plans and publications of teachers, personnel policy, programme internal quality assurance system, logbook of work on medical and laboratory equipment and their technical specifications, safety precautions, contracts and memoranda of practice bases, etc.), the resources for training were viewed directly at the bases of departments (classrooms, educational laboratories, office equipment available for students to work with literature, educational and methodological literature), which made it possible to identify the compliance of the educational organization with the basic accreditation standards.

During the external examination, it was found that all the requirements of the state compulsory standard of higher education (Order No. 647 of February 27, 2020 of the Ministry of Health of the Republic of Kazakhstan). The volume of the study load corresponds to the time required for the student to study the academic discipline, modules or the entire educational programme of higher education and necessary to achieve the established learning outcomes in the educational programme of higher education.

Through interviews with teachers and interviews with students, it was possible to determine their direct participation in the development, evaluation of educational programmes, decision-making on a number of key issues, such as the choice of elective topics, participation in the work of the consultative and advisory bodies of the SMU.

Recommendations for improving activities in the field of implementation of the educational programme of the bachelor's degree 6B10104 "Pharmacy" for compliance with the Accreditation Standards, developed by the EEC based on the results of the expert assessment, were presented at a meeting with the management on 05/20/2021.

The programme of the 3-day visit (May 18-20, 2021) of the external expert assessment of the EEC was completed in full. On the part of the SMU team, the participation of all persons indicated in the programme is ensured.

Thus, the external assessment and the visit of the EEC members made it possible to verify and validate the data of the self-assessment report of the bachelor's programme in full in accordance with

the Regulation on the External Expert Commission, the Guidelines for the external assessment of a medical organization ECAQA education.

For the work of the EEC, comfortable conditions were created, access to all necessary information and material resources of the accredited educational programme was organized. Experts note the high level of corporate culture and discipline of the SMU employees responsible for higher education, the high degree of openness of the team in providing information to members of the EEC.

4. Analysis for compliance with accreditation standards based on the results of an external assessment of the educational programme of a bachelor's degree in the specialty 6B10104 "Pharmacy" and an overview of the strengths for each standard

Standard 1: MISSION AND END OUTCOMES

The mission of the EP reflects the main directions of the development of the training programme, such as responsibility to society, quality assurance, orientation of education to the needs of society, managerial and financial efficiency, freedom of national and international mobility of students, teaching staff and scientific researchers. EP "Pharmacy" meets the regulatory requirements adopted at the national level, agreed with the National Qualifications Framework approved by the Joint Order of the Minister of Labor and Social Protection of the Population of the Republic of Kazakhstan No. 373 dated September 24, 2012 and the Minister of Education and Science of the Republic of Kazakhstan No. 444 dated September 28, 2012 year, the European Qualifications Framework based on Dublin Descriptors, the State Compulsory Education Standard (SCES) for all levels of education, approved by order of the Ministry of Health of the Republic of Kazakhstan No. 647 dated February 27, 2020, and also corresponds to the general mission of the Republic of Kazakhstan, which provides for improving the health of the population of Kazakhstan through high-quality training of competitive specialists, by integrating the world practice of education, science and clinics. The bachelor's educational programme and its Mission were discussed at meetings of the graduating departments, agreed with the structural divisions of the university and approved at a meeting of the Academic Committee on June 25, 2020, protocol No. 8.

In accordance with the competencies of the students of NJSC "SMU", the final results on the competencies of training EP "Pharmacy" were determined: include general and key competencies of the graduate. Responsible for the review and approval of this list is the Department of Academic Work and the graduating departments (minutes of the meeting of the department No. 10 dated May 25, 2020, minutes of the meeting of the Academic Committee No. 8 dated June 25, 2020).

The EP clearly formulates all teaching and assessment methods that are used in the implementation of the educational programme and are available to all teachers and students. In the Syllabuses of the EP disciplines, the forms of assessment are prescribed, the assessment criteria used in accordance with the final learning outcomes.

The EP in the specialty is student-oriented, this principle is implemented from the 1st year, with the appointment of curators and advisers.

The experts established that students and teaching staff participate in the development of the EP and the discussion of making changes to the EP: students of the specialty "Pharmacy" actively participate in the development of educational programmes and drawing up working curricula (student of the specialty "Pharmacy" Zh. Omarkulova was a member of the CEP for the 2017-2018 academic year); the results of the questionnaire survey were studied, which was carried out in December 2019 (protocol No. 5 of the meeting of the Department of Biochemistry and Chemical Disciplines of December 27, 2019), during which there were proposals to improve the material and technical base of the manufacturing departments (reagents, chromatography kit, scales, etc. .), to improve blueprints by discipline in the form of practical skills. Representatives of practical health care in pharmaceutical activities gave positive feedback on the programme being implemented (feedback on the EP from RA Omarkulova, head of the prescription-production department "Pharmacy No. 14").

Strengths:

Not identified

Conclusions of the EEC on the criteria. Out of 11 standards conform: completely - 7, significantly - 4, partially - 0, do not correspond - 0.

Standard 1: completed

Standard 2: EDUCATIONAL PROGRAMMES

EP of the specialty 6B10104 "Pharmacy" in NJSC "SMU" is implemented in accordance with the requirements of the State Educational Standard (Order No. 647 of February 27, 2020 of the Ministry

of Health of the Republic of Kazakhstan). The development and approval of educational programmes is carried out in accordance with the regulation "On the procedure for the development, approval and examination of educational programmes in NJSC" SMU "dated March 29, 2019, a complete list of disciplines for three cycles has been determined: general education disciplines (2 modules), basic disciplines (17 modules and 2 disciplines), major disciplines (5 modules). The duration of the development of the EP "Pharmacy" is 5 years. The total number of credits for 5 years of study is 300 credits (9000 academic hours).

Implementation of EP "Pharmacy" in NJSC "SMU" carried out in compliance with the principles of equality in relation to staff and students, regardless of gender, ethnicity, religion, sexual orientation, socio-economic status and physical capabilities, defined by the Law of the Republic of Kazakhstan "On Education" (Article 8 "State guarantees in the field of education") and the Charter of NJSC "SMU".

When interviewing teachers, experts found that within the framework of the study of various disciplines of the EP, such forms of training as teaching in small groups (TBL), practical and laboratory classes, which are prescribed in the Syllabuses of disciplines (loaded into the automated programme KEYPS), have been introduced. In the process of implementing the EP "Pharmacy" in all disciplines, innovative teaching methods are used - brainstorming, role-playing games, work in small groups. Various forms of SRO and SROP are practiced, for example, writing an essay, preparing an information message, preparing and conducting a training conference, preparing situational tasks, filling out tables, developing a metabolic scheme.

Students on the basis of EP, QED form the IEP, in which, if necessary, they can make changes and additions. The syllabuses for disciplines clearly define goals, objectives, and final learning outcomes that a bachelor must master upon completion of training. Students of EP "Pharmacy" have the opportunity to participate in research work by participating in the research of the departments. For example, at the Department of Biochemistry and Chemical Disciplines, a project for improving the research skills of students of the specialty "Pharmacy" in the field of research of flavonoid-containing medicinal plants was implemented, in which students of the specialty "Pharmacy" A. Azimbaev, K. Kokanova, Oryshaeva M., Darmenov K. In addition, students of the specialty "Pharmacy" A. Azimbaev, K. Kokanova, E. Zhenisova, M. Sagatova are co-authors of the patent.

For the development of practical skills by students and during professional practices, the resources of the university's teaching laboratories are also used (the teaching laboratories of the School of Pharmacy, the Center for Research Laboratories).

The catalog of elective disciplines is annually formed and updated on the site semeymedicaluniversity.kz. The printed form is available to interested persons in the dean's office and the library of NJSC "SMU". However, the EEC experts identified the need to provide students with an alternative choice of elective disciplines and the introduction of components in the WC for students of 1-2 courses of the components corresponding to the profile of the EP.

NJSC "SMU" has a clear and transparent procedure for the development and approval of the EP. This procedure is clearly indicated in the "Regulations on the procedure for the development, approval and examination of educational programmes in NJSC" SMU "dated March 29, 2019.

Expert of the EP: Omarkulova RA, head of the prescription-production department "Pharmacy No. 14".

Thus, the members of the EEC established compliance with the basic criteria of the accreditation standard: a developed and approved educational programme that meets the requirements of the State Educational Standard and is implemented in a student-oriented environment in the best bases of professional practice in the cities of Semey, Ust-Kamenogorsk, Almaty, Shymkent. EP "Pharmacy" is provided with the appropriate methodological documentation and accompanying documents for bachelors. The teaching staff of the departments involved in the implementation of the EP effectively use various methods and innovative teaching technologies, involve bachelors in research work, which contributes to the formation and development of competencies in the specialty.

Strengths:

Not identified

Conclusions of the EEC on the criteria. Out of 24 standards correspond: completely -23, significantly - 1, partially - 0, do not correspond - 0.

Standard 2: completed

Recommendations for improvement identified during the external visit:

- 1) It is recommended to provide students with an alternative choice of elective disciplines and introduce optional components corresponding to the EP profile in the RUPL for 1-2 year students.

Standard 3: ASSESSMENT OF STUDENTS

NJSC "SMU" has developed and implemented a student assessment policy, which includes the principles and methods of assessment, which are reflected in the Academic Policy of NJSC "IUS" (revised and adapted to the changed conditions on December 29, 2020, <https://semeymedicaluniversity.kz/obuchenie/politika-disciplin/>) and provisions governing the implementation of the programme evaluation mechanism: "On the assessment of the academic progress of students" dated November 15, 2019, "Regulations on the Student Assessment Committee" dated November 15, 2019, "Regulations on Interdepartmental Control" dated 11.11.2019 (with amendments 2020).

Responsibility for the implementation of the policy for assessing the educational achievements of students is borne by the teaching staff of departments, heads of departments, the office of the registrar.

The experts revealed that the assessment of educational achievements of bachelors-pharmacists is aimed at determining the level and quality of training students in the EP "Pharmacy", as well as at the formation of professional practical skills according to the final learning outcomes, and the assessment tools themselves are developed by departments - test tasks (open, closed, combined, compiled according to Bloom's taxonomy), control questions, tickets, laboratory assignments, practical and independent work, a structured oral exam in the KEYPS ACS, direct observation of a practical skill, and more. To achieve the objectivity of the assessment, standardized checklists are used, which are placed in syllabuses. From the 2018-2019 academic year, a mandatory stage of the test examination is to conduct a psychometric analysis of tests.

From the 2019-2020 academic year, in accordance with the new integrated curriculum, student assessment is carried out in the KEYPS ACS and includes the following types: formative assessment (30% of the annual assessment) and summative assessment (70% of the annual assessment).

The possibility of an appeal based on the results of intermediate and final certification of students is determined by the Academic Policy of the SMU. During the meeting of the appeal commission, the contents of checklists, student answer sheets and a video recording of the student's answer are considered, each item specified in the appeal statement is examined. The student who has filed an appeal is informed about the decision of the commission within the next working day.

FSA of students in the specialty "Pharmacy" is carried out in two stages in accordance with the Rules for assessing the knowledge and skills of students in medical education programmes (order of the Minister of Health of the Republic of Kazakhstan dated April 23, 2019 No. 46) - knowledge assessment (computer testing), skills assessment. Ensuring the transparency of the assessment results is achieved through the involvement of external experts who are examiners during the final state certification of bachelor's graduates in the specialty "Pharmacy."

The results of the independent examination of graduates are also indicators of the effectiveness of the university, are included in the KPI of the board of NJSC "SMU" and are reflected in the strategic development plan of the university (<https://semeymedicaluniversity.kz/o-nas/programma-razvitiya/>).

Planning procedure, organization, monitoring and reviewing assessment methods in the SMU ensures the reliability and validity of these methods. All information about the achievements of students is available in LMS KEYPS, on the aisu.pro portal.

Thus, the experts of the EEC found that the SMU has a sufficient number of various forms of knowledge control, assessment criteria for different forms of assignments, the availability of software

and equipment for automatically determining intermediate and final grades, conducting final control, assigning assignments, providing feedback with students. transparency of the student assessment process, the presence of external examiners at the final certification of graduates.

Conclusions of the EEC on the criteria. Out of 4 standards conform: completely - 3, significantly - 1, partially - 0, do not correspond - 0.

Standard 3: completed

Standard 4: STUDENTS

Experts of the EEC revealed that In the NJSC "Semey Medical University" admission of students to the educational programme "6B10104 Pharmacy" carried out in equal rights on the basis of the current legislation of the Republic of Kazakhstan and Regulations on the admission of students to higher and postgraduate education in NJSC "SMU" <https://semeymedicaluniversity.kz/postuplenie/pravila-priema...>

In messengers Whatsapp, Facebook, Instagram, Telegram, as well as in the specially created service Taplink <https://taplink.cc/semeymedicaluniversity> materials on admission, news and feedback are posted.

Since 2016, 86 students have been admitted to the specialty "Pharmacy", of which 28 are studying at the expense of a state grant. 58 students' study on a paid basis. In the first, a state educational order was allocated for the "Pharmacy" for the 2020-2021 academic year at the expense of the local budget (LEB) of the East Kazakhstan region in the amount of 12 grants. For this EP for the 2016-2021 academic years, 1 student was admitted, belonging to the category of an orphan.

In the period from 2016 to 2021 academic years, 2 students were expelled at their own request.

Transfer of students from other programmes and medical educational institutions is carried out in accordance with the NLA. In the period for 2016-2021 academic year years, the transfer of students enrolled in the educational programme "Pharmacy" to other programmes or to other educational organizations is 5 students, transferred to an educational programme from another programme / from another university - 2 people.

There are ramps at the university, there is a possibility of medical support for students with disabilities. In 2019, 1 student entered the quota for disabled people of I, II groups, disabled from childhood.

Academic counseling of students in the NJSC SMU is carried out by departments, schools, office registrar, advisers.

QED is annually developed and reviewed on the basis of the departments' applications, taking into account the key competencies of the EP at the meetings of the COP, the Academic Committee.

The experts revealed that the SMU pays special attention to social, professional and financial support for students. The university is implementing the project "From student to student" since 2019, the department of youth policy has been functioning under the Department for youth policy and external relations of NJSC "SMU", its activities are carried out with student self-government (SSU), 16 youth clubs (KazMSA, Enactus, debate club "Salauat", "Amateur arts", "Volunteer corps", "Abaytanu", girls club "Kyz Zhibek", school of future dentists "Healthy Smile", "Zhas Otan", "Alliance of Kazakhstan Students", "Student-Donor", "FOCUS", "Level Up", "KVN", "FAMS", "KADS").

Since 2018 The SMU has a service center for employees and students, providing services to students on the principle of "one window".

Two 4th year students of the specialty "Pharmacy" (Amrenova Dina, Azimbaev Adil) take part in the work of the KOP.

At the University those who are orphans, accommodation is provided free of charge in hostels. Students from socially vulnerable strata of the population are primarily provided with places in hostels.

The university annually allocates funds for the creation of conditions and the development of the personality of students. Student youth have the opportunity to travel at the expense of the university to other cities and countries to participate in Olympiads, competitions, forums, scientific and practical conferences and to visit various exhibitions (to support the initiatives of student youth for 2020, 28

applications were laid for the amount of 7,085,475 tenge, of which 5,111,000 tenge - travel expenses of students, 759,475 tenge - purchase of goods and 1,215,000 tenge - other services and works). In case of unplanned expenses, financial support is provided by the trade union committee of the university. Also, financial support is provided by the PF "Alma Mater".

Thus, the experts revealed that SMU students actively participate in public associations, student scientific societies, youth clubs, advisory bodies, the number of applicants for the specialty "Pharmacy" increases annually at the expense of state educational grants (including at the expense of the local budget of the East Kazakhstan region) and on a contractual basis.

Strengths:

High activity of students in the process of learning and mastering practical skills.

Conclusions of the EEC on the criteria. Out of 14 standards conform: fully - 14, significantly - 0, partially - 0, do not correspond - 0

Standard 4: completed

Standard 5: ACADEMIC STAFF / FACULTY

Experts found that the implementation of the goals and objectives of personnel management in the SMU is carried out through the personnel policy (approved on 03/10/2018, updated on 09/30/2019). The staff of the university is staffed in accordance with the legislation of the Republic of Kazakhstan and the Rules for competitive replacement of positions of scientific and pedagogical personnel of higher educational institutions.

In the 2020-21 academic year, the teaching staff of the main departments responsible for the implementation of the EP is represented:

- Department of Public Health: 20 full-time teachers and 2 part-time teachers (2 - internal part-time doctoral students specializing in Public Health). In the staff of the teaching staff there are 2 doctors of sciences (doctor of medical sciences), 1 doctor of PhD in the specialty of public health, 3 - candidates of science, 14 masters. The degree of staff teaching staff of the departments - 42%;

- Department of Biochemistry and Chemical Sciences: 10 full-time teachers - 1 PhD, 1 PhD, 1 PhD, 5 Masters. The degree of degree is 40%;

- Department of Pharmacology - 10 full-time teachers, including 2 PhD doctors, 1 candidate of medical sciences, 1 postgraduate student. The degree of staff teaching staff of the departments is 50%.

The School of Pharmacy has a high scientific potential, 6 teachers have a Hirsch index (Web of Science, Scopus) and are published in high-ranking scientific journals. Head of the Department of Public Health School of Pharmacy Khismetova Z.A. has the highest university Hirsch index = 6.

Teachers publish their research results in peer-reviewed scientific journals, for example, R.E. Tuleutaeva. Department of Pharmacology named after MD, Professor M.N. Musina "The structure of pharmacotherapy of arterial hypertension and adherence in young people." (Bulletin of the Russian Academy of Medical Sciences, No. 72 (6), 2017-P.428-434), Department of Public Health Mukusheva A.A. Science and Health care, 2018 Iskakova N.S. "Awareness of the population on the proper use of antibacterial drugs." Valeologiya: densauilyk - aura - sauyktyru №4. Feb 2020

The department of advanced training of the university offers a range of cycles in the clinical direction, through the international department of the university, mobility of teaching staff is organized on a competitive basis, internships at Bashkent University (Ankara, Turkey), which is a strategic partner of the SMU (teacher of the Department of Public Health Atabaeva A.K in November In 2018, she completed an internship at the Bashkent University.). Experts have found that advanced training at the university is carried out through internships and courses in the far and near abroad, in medical universities and organizations. For example, the teachers of the main departments implementing the EP "Pharmacy" Mukusheva A.A., Iskakova N.S. participated in the master class of the WHO expert Chebotorenko N.A. on the topic "Implementation of the methods of pharmacoepidemiology and pharmacoconomics in practice" (2019), Mukusheva A.N., Kalbagaeva Zh.E., Atabaeva A.K., Iskakova N.S., Kairatova G.K., took part in the seminar "Methodology of scientific research. Basics of

Evidence-Based Medicine. Fundamentals of Biostatistics. Scientific writing "(2019). Teachers of the Department of Biochemistry and Chemical Disciplines A.T. Ablenova, D.D. Murtazina were trained at KSMU on the topic "Professional, Leader and Organizer" (2017), also teachers Zh.K. Smailova, R.R. Olzhaeva, A. Ablenova T., Babaeva G.S., Bayakhmetova B.B., Yelemesova Zh.G. took part in an international seminar: "Creation of key elements of national systems for the rational management of chemicals in selected countries of Eastern Europe, the Caucasus and Central Asia: final project workshop" in selected countries of Eastern Europe, Caucasus and Central Asia: final project workshop (2021). Kairatova G.K., took part in the seminar "Methodology of scientific research. Basics of Evidence-Based Medicine. Fundamentals of Biostatistics. Scientific writing "(2019). Teachers of the Department of Biochemistry and Chemical Disciplines A.T. Ablenova, D.D. Murtazina were trained at KSMU on the topic "Professional, Leader and Organizer" (2017), also teachers Zh.K. Smailova, R.R. Olzhaeva, A. Ablenova T., Babaeva G.S., Bayakhmetova B.B., Yelemesova Zh.G. took part in an international seminar: "Creation of key elements of national systems for the rational management of chemicals in selected countries of Eastern Europe, the Caucasus and Central Asia: final project workshop" in selected countries of Eastern Europe, Caucasus and Central Asia: final project workshop (2021). Basics of Evidence-Based Medicine. Fundamentals of Biostatistics. Scientific writing "(2019). Teachers of the Department of Biochemistry and Chemical Disciplines A.T. Ablenova, D.D. Murtazina were trained at KSMU on the topic "Professional, Leader and Organizer" (2017), also teachers Zh.K. Smailova, R.R. Olzhaeva, A. Ablenova T., Babaeva G.S., Bayakhmetova B.B., Yelemesova Zh.G. took part in an international seminar: "Creation of key elements of national systems for the rational management of chemicals in selected countries of Eastern Europe, the Caucasus and Central Asia: final project workshop" in selected countries of Eastern Europe, Caucasus and Central Asia: final project workshop (2021). Basics of Evidence-Based Medicine. Fundamentals of Biostatistics. Scientific writing "(2019). Teachers of the Department of Biochemistry and Chemical Disciplines A.T. Ablenova, D.D. Murtazina were trained at KSMU on the topic "Professional, Leader and Organizer" (2017), also teachers Zh.K. Smailova, R.R. Olzhaeva, A. Ablenova T., Babaeva G.S., Bayakhmetova B.B., Yelemesova Zh.G. took part in an international seminar: "Creation of key elements of national systems for the rational management of chemicals in selected countries of Eastern Europe, the Caucasus and Central Asia: final project workshop" in selected countries of Eastern Europe, Caucasus and Central Asia: final project workshop (2021).

The teaching staff of the School of Pharmacy takes an active part in the incoming academic mobility (academic mobility in pharmchemistry and pharmacognosy with Ryazan State Medical University: head. Department, Ph.D., Associate Professor Darmogray S.V., Associate Professor, Ph.D. of Pharmaceutical Sciences, Associate Professor Akulshina E.V., Senior Lecturer Morozova V.A., Associate Professor, Ph.D. Lizunova A.S.).

The experts revealed that the SMU has a system of permanent attestation of teaching staff. Certification includes two stages: testing and / or assessment by the "360 degrees" method in accordance with the position held.

Thus, the experts found that the implementation of EP 6V10104 "Pharmacy", the university has a sufficient staff of teachers, the total number of which is determined taking into account the number of disciplines, academic load standards, student contingent. However, for the implementation of EP at the proper level, an independent specialized department with the appropriate teaching staff should be created.

Conclusions of the EEC on the criteria. Out of 4 standards conform: completely - 3, significantly - 1, partially - 0, do not correspond - 0.

Standard 5: completed

Recommendations for improvement identified during the external visit:

- 1) To ensure a systematic improvement in the quality of EP in accordance with the changing needs of society, the pharmaceutical sector of the economy and the development of the pharmaceutical faculty, it is recommended to create an independent specialized department with the appropriate teaching staff, to develop and implement mechanisms for attracting specialists with basic pharmaceutical education (preferably graduated) to teaching.

Standard 6: EDUCATIONAL RESOURCES

The experts found that the SMU has a sufficient material and technical base to ensure the implementation of the EP "Pharmacy" and the achievement of the final learning outcomes. The total area of the buildings of NJSC "SMU" is 48064.8m². The average calculated area per student with two-shift work corresponds to the existing standards and is more than 6 m² per student. Own educational resources are located in five educational buildings with an area of 14.993 m². Students of the EP "Pharmacy" are trained at the following departments of the JESL: the biochemical department is located on the basis of the department of biochemistry and chemical disciplines, occupies 1 study room with an area of 26 sq.m. The morphological department is located in 4 classrooms and a demonstration class of the Department of Pathological Anatomy and Forensic Medicine, with a total area of 117 sq.m. The hygienic department is located in 2 classrooms with a total area of 42.83 sq.m. The physiological department is located on the basis of the departments of normal physiology, propaedeutics of internal diseases, the course of neurology of the department of neurology. The departments of general educational disciplines are located in the buildings, on the territory of the University, the departments of major disciplines are located in the medical institutions of the city. Almost all classrooms are equipped with modern technical teaching aids and multimedia equipment. Mini-libraries of departments are provided with Internet access. Students have free access to the necessary laboratory equipment, mannequins, simulation classes (for example, at the Department of Anatomy, all modern dummies and mannequins are located in classrooms). General education and basic disciplines are studied at 9 departments located in 5 academic buildings of the University. The laboratories of the basic departments are equipped with equipment in accordance with the disciplines taught (microscopes, spectrophotometers, anatomical dummies, histological preparations, chemical reagents, analyzers, etc.). General education and basic disciplines are studied at 9 departments located in 5 academic buildings of the University. The laboratories of the basic departments are equipped with equipment in accordance with the disciplines taught (microscopes, spectrophotometers, anatomical dummies, histological preparations, chemical reagents, analyzers, etc.). General education and basic disciplines are studied at 9 departments located in 5 academic buildings of the University. The laboratories of the basic departments are equipped with equipment in accordance with the disciplines taught (microscopes, spectrophotometers, anatomical dummies, histological preparations, chemical reagents, analyzers, etc.).

The University cooperates with internship bases such as the Biological Center of Semey "National Center of Expertise" in Ust-Kamenogorsk, JSC "Khimfarm" in Shymkent, Pharmacies in Semey. The development of practical skills of students is carried out on the basis of the departments of pharmacology, biochemistry and chemical disciplines, pathological anatomy and forensic medicine, simulation technologies and on the basis of JESL, also during the course of industrial practices. It has been established that those responsible for the EP disciplines study and evaluate the equipment of the departments, practice bases for the development of proposals for improving the material and technical base of the departments. For each discipline, a blueprint of practical skills is drawn up that students must master. Next, an application for the necessary equipment is drawn up.

The library of NJSC "SMU" provides students with educational, scientific and educational-methodical literature necessary for organizing the educational process in all disciplines in accordance

with the final results of the EP. The total area of the library is 1362.13 sq.m., including the area of the book depository - 455 sq.m.

The general fund of educational and scientific literature of the educational programme "Pharmacy" is educational - 9584 (5137 in Kazakh, 3871 in Russian, 575 in foreign) and scientific - 2418 (1370 in Kazakh, 1003 in Russian, 442 in foreign).

Workstation software "IRBIS - 64". A united electronic catalog of remote access (Web-gateway) is open for users. The university library has introduced an installation for the use of radio frequency identification (RFID) technologies - a system for controlling the movement of documents in the library.

The university provides free access to students, teaching staff and staff to the Internet and Wi-Fi throughout the university. All departments, structural divisions, halls of electronic resources, hostels are connected to the Internet, and also have access to the Public local network. Educational programmes are implemented using information and communication technologies that accompany distance learning. From the beginning of the 2019-2020 academic year, all the necessary information for students has been posted in the KEYPS system.

The departments that implement the EP "Pharmacy" conduct research in the field of pharmacy, pharmacology: At the Department of Biochemistry and Chemical Disciplines, scientific research is carried out on the identification and quantitative determination of flavonoids in medicinal plants, the biological activity of phytocompositions. In the 2018-2019 academic year, a project was implemented on the topic "Improving the research skills of students of the specialty" Pharmacy "in the field of research of flavonoid-containing medicinal plants. Scientific adviser: associate professor Dinzhumanova R.T. Participants: 7 students and 5 teaching staff. On this topic, articles have been published, indexed on the basis of the information company Thomson Reuters (Web of Science, Thomson Reuters), in publications included in the list of the Committee, in conferences of countries of far and near abroad.

1) Patent of the Republic of Kazakhstan for utility model No. 3360 dated 09.11.2018. Dinzhumanova R.T., Bayakhmetova B.B., Kurmanova Zh.K., Maksutova D.B., Esenamanova A.B., Gazizova N.M. Method for quantitative determination of flavonoids in plant raw materials by spectrophotometric method. National Institute of Intellectual Property of the Ministry of Justice of the Republic of Kazakhstan.

2) The patent of the Republic of Kazakhstan for a utility model No. 4074 dated 12.06.2019. Dinzhumanova R. T., Smailova Zh. K., Akhambekova G. T., Olzhaeva R. R., Abenova A. T. Omarova A. Sh., etc. A phytocomposition with antisinegnous activity. RSE National Institute of Intellectual Property of the Ministry of Justice of the Republic of Kazakhstan.

3) Patent of the Republic of Kazakhstan for utility model No. 5459 dated 23.10.2020. Dinzhumanova RT, Smailova Zh.K, Sagadatova M. et al. Phytocomposition with anti-staphylococcal activity. RSE National Institute of Intellectual Property of the Ministry of Justice of the RK.

Thus, the experts revealed that the material and technical base of the university, information and communication systems of management and administration, and the library fund are being improved. However, it should be updated regularly equipping educational laboratories of graduating departments with modern equipment.

Strengths:

- High level of equipping with educational resources: each classroom is equipped with interactive whiteboards;
- The outskirts of the city are rich in medicinal plants, which makes it possible to carry out an industrial practice in pharmacognosy in the field (offline, when other universities are forced to carry out this practice online), in particular, EEC experts witnessed the collection and conduct of phytochemical analysis of medicinal raw materials containing polysaccharides.

Conclusions of the EEC on the criteria. Out of 19 standards conform: completely - 17, significantly - 2, partially - 0, do not correspond - 0.

Standard 6: completed

Recommendations for improvement identified during the external visit:

- 1) It is necessary to regularly carry out additional equipment and equipping with modern equipment of educational laboratories of the main departments responsible for the implementation of EP "Pharmacy".

Standard 7: PROGRAMME EVALUATION

The experts of the EEC established that the SMU has an internal and external examination of the EP. Internal examination is carried out at the level of the department or departments participating in the development of the EP, then it is submitted for discussion by the Committee of educational programmes. Monitoring of data on the implementation of the EP is carried out by the Department of Academic Work (DAR), the School of Pharmacy. Based on the monitoring results, discussions are held in focus groups, an action plan is drawn up and consistently implemented to amend the EP. The format of the industrial practice, the schedule of disciplines, practical skills, QED (updated and supplemented QED: "Fundamentals of Internal Medicine", "Simulation course for pharmacists") approved by the Deputy Board for Academic Affairs. When evaluating the EP, the availability of feedback from employers is taken into account.

To assess the EP "Pharmacy", the SMU carries out the following activities:

- interviewing and questioning students and teaching staff;
- analysis of the structure and content of EP, WC, QED, their compliance with the curriculum;
- NPA developed at the level of graduating departments, schools, universities, which regulate the development and implementation of EP;
- analysis of teaching methods and organization of the SRSP;
- monitoring the quality of practical classes and lectures held at the level of graduating departments, schools and universities.

QCDME and the School of Pharmacy constantly monitor the academic performance of students by semester of study (the results of examination sessions), so the 2017-2018 academic year, the performance of students in this specialty amounted to an average grade of 95.8 in a qualitative indicator of 64.6%, in 2018-2019 academic year - 98.9 and 93%, and in the 2019-2020 academic year - 100 and 76.2%. The indicator is increasing every year. All documents on planning the educational process are submitted to interested structures and participants in the educational process by posting on the website (WC -<https://semeymedicaluniversity.kz/obuchenie/rabochie-uchebnye-plany>) and the student educational portal (schedule: <https://semeymedicaluniversity.kz/obuchenie/raspisaniya/>).

From 2019-2020, all educational and methodological materials, an attendance journal, assessment of FD and CO are conducted in the Capes system.

To assess the EP in the NJSC SMU, systematically different types of questionnaires are carried out. The questionnaire on satisfaction with the Integrated Educational Programme for the period 2019-20 academic year shows that the technical support was sufficient for training (74.0%), the classes were planned in such a way as to complement each other (69.8%), the teaching staff of the discipline gave an informative feedback during classes -71.5%, the questions asked in the exam corresponded to the material studied during the discipline 71.9% (gradation "often" 51-75, "almost always" 76-100).

Thus, the experts identified a sufficient level of gradualism and categorization of teaching staff, regular feedback among students and teaching staff, a good material and technical base for the implementation of EP, established communication with employers.

Conclusions of the EEC on the criteria. Out of 10 standards conform: completely - 10, significantly - 0, partially - 0, do not correspond - 0

Standard 7: completed

Standard 8: GOVERNANCE AND ADMINISTRATION

EP specialties 6B10104 "Pharmacy" at the SMU is considered and approved at meetings of the Educational Programme Committee (ECP) in the specialty "Pharmacy", which is a collegial body of NJSC "SMU", is approved by the Academic Council, and is also agreed with potential employers

of programme graduates (EP Expert: Omarkulova R.A., Head of the prescription-production department "Pharmacy No. 14").

From the 2019-2020 academic year, in connection with the introduction of a new integrated educational programme in the specialty, blueprints in the disciplines of integration are regularly reviewed at the CEP meeting. The automated KEYPS platform allows students to see the requirements for each lesson and the learning outcomes by blueprint level.

Students can receive additional information about the EP and use the resources of the EP for the official website, which contains the following sections: section "For students", containing all information on the board of directors, the council of curators, practice, student homes, sections and circles, the distribution of grants.

The experts revealed that the main sources of the formation of financial resources of the educational process at the university are funds from the republican budget, funds from the provision of educational and other paid services and other receipts. Funding from the republican budget is carried out on the basis of contracts concluded for the training of specialists with higher and postgraduate education and acts of work performed, as well as contracts and acts for the implementation of research and development. Resources are allocated for literary support, Internet resources, for the purchase of dummies, mannequins, for participation in scientific conferences, for advanced training of teachers. The allocated funds fully cover the necessary resources for the implementation of the EP of the departments and the School of Pharmacy. The University has developed an optimal financial management system. The university annually develops a development plan for five years and is agreed with the authorized body, for compliance with the goals and objectives of the university.

Quality assurance of management is monitored by the internal audit service, which monitors the quality of educational processes, compliance with the implementation of the educational, clinical load, in accordance with the standards adopted in the Republic of Kazakhstan. The IAS report is heard at the Academic Council.

The forms of collegial management of the university are the Board of Directors, the Management Board of the university, the Academic Council, advisory bodies - the Academic Committee and Collegiate bodies - Diss. Council, Clinical Council, Ethics Committee...

All management decisions are made by colleagues through the Academic Council. In order to ensure transparency, all events held at the university are broadcasted on the social network Facebook.

The dean of the school monitors feedback from employers. After that, those questions and proposals that were proposed by external stakeholders are considered. Employers and leading representatives of practical health care participate in the development of the EP, their opinion with appropriate recommendations is necessarily taken into account to improve the educational process.

The experts revealed that the management regularly revises the EP to improve the quality and makes changes in assessment methods, subjects of disciplines.

To ensure the quality of education, the first requirements of the University are high qualifications of teachers. The SMU system motivation and assessment of personnel activities to achieve strategic goals and objectives is represented by the CPI system and differentiated remuneration, which is closely related to the strategic plan of the university.

In order to motivate and stimulate activities and improve the performance of employees, the university directs significant financial resources to the formation of the payroll.

The partnership with the health sector of the university is implemented in the form of a cooperation agreement, for example, for the period of implementation of the EP, there are 6 agreements with pharmaceutical institutions to organize the passage of industrial practices.

Thus, the experts revealed that the corporate governance system is functioning, the Board of Directors is functioning, the administrative and academic staff meets the regulatory requirements and ensures the quality and efficiency of the university's activities, the activities of the management and structural units are regularly assessed by submitting reports and conducting internal audit.

Conclusions of the EEC on the criteria. Out of 13 standards conform: completely - 13. Significantly - 0, partially - 0, do not correspond - 0

Standard 8: completed

Standard 9: CONTINUOUS RENEWAL

The process of constant updating of EP at the SMU is implemented by improving teaching and assessment methods, using information technologies, and expanding academic mobility. The EP is assessed and approved at a meeting of the CEP and the Academic Committee, where the degree of compliance of the EP with Professional Standards and the final learning outcomes is analyzed.

The process of updating the EP is based on the constant study of trends in the development of medical and pharmaceutical education, participation in international and republican conferences, the results of academic mobility of teaching staff and students, the experience of international experts. Experts of the EEC revealed that the head of the Department of Pharmacology R.E. Tuleutaeva, senior lecturer of the Department of Biochemistry and Chemical Disciplines A.T. Ablenova, lecturer at the Department of Biochemistry and Chemical Disciplines G.S. Babayeva are members of the Project Management Group for the specialty "Pharmacy", Professor Emine Akalin from the University of Istanbul was also involved for the joint development of the EP "Pharmacy". The teaching staff of the departments, leading the training of bachelors-pharmacists, took part in the seminar-training Fazil Serdar Guzel bey.

Since the 2018-2019 academic year, the Department of Biochemistry and Chemical Disciplines, Pharmacology, Public Health, responsible for the graduation of bachelors of the specialty "Pharmacy", carried out work to amend the educational programme. The project "Evaluation and modernization of the educational programme in the specialty " Pharmacy " has been developed. The educational programme of the specialty has been updated, with an emphasis on interdisciplinary integration and multilingualism, the development of lifelong learning skills, the academic mobility of students and teachers in domestic and foreign universities has been significantly activated, a joint educational programme has been developed with a strategic partner - Bashkent University, multilingual disciplines have been developed and implemented ...

Students, teaching staff and external stakeholders participate in the discussion of changes to the EP. Representatives of practical health care in pharmaceutical activities gave positive feedback on the programme being implemented. The trainees had the opportunity to participate in the discussion of the EP by participating in focus groups. After completing the study of each discipline, students provide feedback on their satisfaction with the quality of teaching disciplines and the organization of the educational process.

The experts revealed that the SMU introduced a differentiated salary for the teaching staff. In accordance with the Regulations on the CPI system and differentiated remuneration for employees of NJSC "SMU", approved. 31.10.2019 monthly or once a quarter for each month, payment is made for the execution of constant KPI indicators. If non-constant KPIs are met, differentiated payment is made once upon completion.

Conclusions of the EEC on the criteria. Out of 3 standards conform: completely - 3, significantly - 0, partially - 0, do not correspond - 0

Standard 9: completed





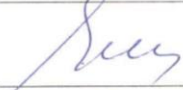







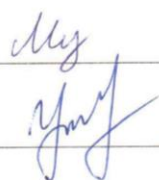
Thus, all 9 accreditation standards have been met, no inconsistencies in the fulfillment of the criteria of each of the basic accreditation standards in the process of analyzing the self-assessment report and conducting the examination as part of the tasks of the external expert commission programme were found.

5. Recommendations for improving the educational bachelor's degree in the specialty 6B10104 "Pharmacy":

1. To provide students with the opportunity to choose an alternative choice of elective disciplines and to introduce in the WC for students of 1-2 courses optional components corresponding to the profile of the educational programme (standard 2).
2. To ensure a systematic improvement in the quality of the educational programme in accordance with the changing needs of society, the pharmaceutical sector of the economy and the development of the pharmaceutical faculty, it is recommended:
 - 2.1 create an independent specialized department with an appropriate composition of teachers,
 - 2.2 develop and implement mechanisms for attracting specialists with basic pharmaceutical education (preferably graduated) in teaching (standard 5).
3. Regularly carry out additional equipment and equipping with modern equipment educational laboratories of the main departments responsible for the implementation of the educational programme "Pharmacy" (standard 6).

6. Recommendation to the ECAQA Accreditation Council

The EEC members came to a unanimous opinion to recommend the Accreditation Council to accredit educational programme in specialty 6B10104 "Pharmacy" of the Non-profit Joint Stock Company "Semey Medical University" for a period of 5 years.

Chairperson		KUZGIBEKOVA ALMA BOLATOVNA
Foreign expert		RIPP EVGENY GERMANOVICH
Academic expert		ALMAGUL AMANGELDINOVNA KAUYSHEVA
Academic expert	на 	SHUKIRBEKOVA ALMA BORANBEKOVNA,
Academic expert		ISENOVA SAULE SHAIKENOVNA,
Academic expert		ESENKULOVA SAULE ASKEROVNA,
Academic expert		KUDABAEVA KHATIMIA ILYASOVNA
Academic expert		KENZHEGULOVA RAUSHAN BAZARGALIEVNA
Academic expert		RINAT MUZAFAROV,
Academic expert		SADIEVA ZHANAR ZAMANKHANOVNA
Academic expert		RAKHMANOV ELTAI UTEMURATOVICH, PhD
Academic expert		RAMAZANOVA MANSHUK ANEROVNA
Expert - employers' representative		SARSENBINA LYAZZAT KYRYKBAEVNA
Representative of undergraduates		MAZANBEKOVA MERUERT YERZHANOVNA
ECAQA Observer		UMAROVA MAKPAL ALDIBEKOVNA

**Quality profile and external evaluation criteria (summary) of
Educational programme in specialty 6B10104 "Pharmacy" of the Non-profit Joint Stock
Company "Semey Medical University"**

Standard	Criteria for evaluation Number of standards = BS * / SU	Grade			
		Totally coincides	Significantly corresponds	Partially compliant	Does not match
1	MISSION AND END OUTCOMES 11 = 7/4	7	4		
2.	EDUCATIONAL PROGRAMME 24 = 10/14	23	1		
3.	ASSESSMENT OF STUDENTS 4 = 2/2	3	1		
4.	STUDENTS 14 = 8/6	14			
5	ACADEMIC STAFF / FACULTY 4 = 2/2	3	1		
6.	EDUCATIONAL RESOURCES 19 = 9/10	17	2		
7.	PROGRAMME EVALUATION 10 = 6/4	10			
8	GOVERNANCE AND ADMINISTRATION 13 = 6/7	13			
9	CONTINUOUS RENEWAL 3 = 1/2	3			
	Total: 102 = 51/21	93	9		
		102			

* BS - the basic standard must be fulfilled by each medical educational organization, and the fulfillment must be demonstrated during an external assessment of the medical educational and scientific organization.

List of documents studied by EEC members within the framework of accreditation

No	Names of documents	Qty	Date of approval (if applicable)
1.	Regulations on remuneration of NJSC "SMU"	1	01/15/2021
2.	Regulations on the department of youth policy of NJSC "SMU"	1	10/14/2020
3.	Regulations on student self-government of NJSC "SMU"	1	
4.	Regulations on differential wages of NJSC "SMU"	1	31.10.2019
5.	School regulations	1	12/13/2019
6.	Regulations on the CPD system for directors of departments, deans of schools, directors of branches and the university hospital of NJSC "SMU"	1	01/12/2020
7.	Regulations on the competition for replacement faculty positions	1	05/08/2019
8.	Regulations on the competition for filling vacant positions of administrative and managerial personnel		05/08/2019
9.	Safety Journals - at the Department of Biochemistry and Chemical Disciplines	1	-
0.	EP consideration protocols from the Department of Biochemistry and Chemical Disciplines	1	05/25/2020
1.	Mission Review Protocols	1	05/25/2020
2.	EP "Pharmacy"	1	06/25/2020
3.	Syllables	1	09/01/2020
4.	Action plan for the implementation of the recommendation of the state attestation commission	1	30.06.2017
5.	Competence of EP Pharmacy	1	
6.	Report of the Chairperson of the SJSC for 2017	1	
7.	Catalog of elective disciplines	1	
8.	Working curriculum	1	
9.	Composition of the Academic Committee	1	03/08/2021
0.	Regulations on the procedure for the development, approval and examination of educational programmes in NJSC "SMU"	1	03/29/2019
1.	The number of students admitted to the pharmacy department for 5 years	1	
2.	Employment of graduates of the NJSC SMU specialty EP "Pharmacy" for the 2015-2020 academic year	1	
3.	Average annual teaching load of teachers	1	28.08.2020
4.	Dynamics of teachers' salaries.	1	
5.	The staff of teachers of the departments carrying out the implementation of the educational programme for 5 years	1	