

To Accreditation Council  
of the Eurasian Centre for Accreditation  
and Quality Assurance in  
Education and Healthcare  
01.05.2024

**REPORT  
OF THE EXTERNAL EXPERT COMMISSION ON THE RESULTS OF  
EVALUATION OF THE EDUCATIONAL PROGRAM 60910100 “DENTISTRY”  
OF SAMARKAND STATE MEDICAL UNIVERSITY FOR COMPLIANCE  
WITH THE ACCREDITATION STANDARDS OF THE EDUCATIONAL  
PROGRAM OF BASIC MEDICAL EDUCATION (BACHELORATE) OF THE  
MEDICAL EDUCATION ORGANIZATIONS**

**external expert evaluation period: April 8-10, 2024**

**Samarkand, 2024**

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## LIST OF SYMBOLS AND ABBREVIATIONS

<b>Abbreviation</b>	<b>Designation</b>
ECAQA	Eurasian Centre for Accreditation and Quality Assurance in Education and Healthcare
WFMO	World Federation of Medical Education
CPT	Curricular practical training
WEI	Work experience internship
ESG	European guidelines for quality assurance in education

### 1. Composition of the External Expert Commission

In accordance with ECA Order No. 5 dated March 7, 2024, an External Expert Commission (hereinafter referred to as EEC) was formed to conduct an external evaluation during the period April 8-10, 2024 as part of the accreditation of the educational program "Dentistry" in the following composition:

<b>№</b>	<b>Status within the EEC</b>	<b>Full name</b>	<b>Position, place of work/place of study, course, specialty</b>
1	Chairman	ZHUNUSOVA AIGUL BITIMBAYEVNA	Candidate of Medical Sciences, Vice-Rector for Academic Affairs NJSC "Astana Medical University" badge of the Ministry of Health of the Republic of Kazakhstan "Excellence in Health Care", laureate of the Ministry of Education and Science of the Republic of Kazakhstan award for talented and young scientists
2	International expert	RYZHKIN SERGEY ALEKSANDROVICH	Doctor of Medical Sciences, Head of the Department of Radiotherapy and Radiology named after Academician A.S. Pavlova, head of the department of additional professional education of the Russian Medical Academy of Continuous Professional Development (Moscow), scientific secretary of the Department of Medical and Biological Sciences of the Academy of Sciences of the Republic of Tatarstan, accredited expert of the Federal Service for Supervision in Education and Science (Federal Education and Science Supervision Agency).
3	Academic expert	KHASANOV ADHAM IBRAHIMOVICCH	Doctor of Medical Sciences, Professor, President of the Dental Association of Uzbekistan, Tashkent State Dental Institute, Department of Pediatric Maxillofacial Surgery, Academician of the International Dental Academy (ADI), Member of the Society of Plastic Surgeons of Uzbekistan, Maxillofacial surgeon of the highest category.
4	Academic expert	RASULOV KHAMIDULLA ABDULLAYEVICH	Doctor of Medical Sciences, Associate Professor, Head of the Department of Anatomy, Pathological Anatomy, Tashkent Paediatric Medical Institute
5	Academic expert	GAYPOV ABDUZHAPPAR YERKINOVICH	Doctor of Medical Sciences, Associate Professor of the Department of the School of Medicine JSC "Nazarbayev University" (SMNU),

			consultant nephrologist in the clinical and academic department of internal medicine of the University Medical Centre. Director of the Internal Medicine Residency Program and the Nephrology Fellowship Program at SMNU
6	Academic expert	ISKAKOVA MARYAM KOZBAEVNA	Candidate of Medical Sciences, Associate Professor (Associate Professor of the Higher Attestation Commission), Head of the Department of Therapeutic and Paediatric Dentistry of the National Educational Institution "Kazakh-Russian Medical University", "KSA Gold Medal" award, "Best Candidate of Sciences-2019" Association "National Movement "Bobek""
7	Academic expert	KALIEVA SHOLPAN SABATAEVNA	Candidate of Medical Sciences, Associate Professor, Head of the Department of Clinical Pharmacology and Evidence-Based Medicine, NJSC "Medical University of Karaganda"
8	Academic expert	KOLOSKOVA YEKATERINA ALEXANDROVNA	PhD, Associate Professor, Department of Microbiology, Virology NJSC "Kazakh National Medical University named after S.D. Asfendiyarov", member of the independent commission for studying abroad "Bolashak"
9	Expert employer	ULMASOV FIRDAVS GAYRATOVICH	PhD, Director of the Samarkand branch of the Republican Scientific and Practical Medical Center of Oncology and Radiology, Republic of Uzbekistan
10	Expert learner	DILDABEK TURAR KANATULY	6th year intern in the specialty "General Medicine" of the NJSC "Kazakh National Medical University named after S.D. Asfendiyarov" Regional Assistant for the Asia-Pacific region for Medical Education of the World Medical Students Association (IFMSA). National Medical Education Officer 2021-2022 of the Kazakhstan Medical Youth Organization (KazMSA). Participant of the Asia-Pacific Medical Education Conference 2023 in Singapore and trainee in orthopedic surgery in France and Morocco 2023.
11	Expert learner	SHARIPOVA SHOKHIDIL	4th year student of the Faculty of Dentistry, Bukhara State Medical

		ZAYNIDDINKIZI	Institute named after Abu Ali ibn Sino, Republic of Uzbekistan
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The work of the EEC was carried out in accordance with the Regulations on the EEC.

The EEC report includes a description of the results and conclusion of an external evaluation of the educational program “Dentistry” of Samarkand State Medical University (SSMU) for compliance with the Accreditation Standards of the educational program of basic medical education (bachelor’s degree) of medical educational organizations and conclusions (hereinafter referred to as the Accreditation Standards), recommendations of the EEC for further improvement of approaches and conditions for the implementation of the above educational program and recommendations for the ECAQA Accreditation Council for Accreditation.

## 2. General part of the final report

### 2.1 Presentation of the educational program “Dentistry” of Samarkand State Medical University

Name of organization, legal form of ownership, BIN	<i>Samarkand State Medical University</i>
Government	<i>Ministry of Health of the Republic of Uzbekistan</i>
Full name of the first manager	<i>Rizaev Zhasur Alimdzhonovich</i>
Date of creation	<i>1930</i>
Location and contact details	<i>140100 Republic of Uzbekistan Samarkand city, st. Amira Temura, 18</i>
State license for educational activities in undergraduate education (date, number)	<i>October 30, 2020 No. 21</i>
Information about branches, subsidiaries (if any)	<i>Don't Have</i>
Year of commencement of the accredited educational program (EP)	<i>2017</i>
Duration of training	<i>5 years</i>
Total number of graduates since the beginning of the EP implementation	<i>Bachelors – 573 Continued training in internship - Total internship graduates –</i>
Number of students on EP since the beginning of this year	<i>Bachelors – 1097 Interns -</i>
Employment	<i>Employment rate, % over 5 years: 2017 z. – 90% 2018 z. – 92% 2019 z. – 89% 2020 z. – 92% 2021 z. – 93%</i>
Full-time teachers/Part-time workers involved in the implementation of the EP, incl. % sedate	<i>There are <u>72</u> teachers in total, including <u>61</u> full-time and <u>11</u> part-time teachers. The indicator of sedateness is <u>51</u> %.</i>
Website	<i><a href="http://www.sammu.uz">www.sammu.uz</a></i>
Instagram	<i><a href="https://www.instagram.com/sammu_education/">https://www.instagram.com/sammu_education/</a></i>
Facebook with active pages	<i><a href="https://www.facebook.com/sammu.education">https://www.facebook.com/sammu.education</a></i>

### 2.2 Information about previous accreditation

Accreditation of the educational program in the specialty “Dentistry” of Samarkand State Medical University is being carried out for the first time.

### **2.3 Brief description of the report on self-assessment of the educational program “Dentistry” of Samarkand State Medical University for compliance with the Accreditation Standards of the educational program of medical educational organizations and conclusions**

The report on self-assessment of the educational program “Dentistry” (hereinafter referred to as the report) is presented on 234 pages of main text, 17-page annexes, copies or electronic versions of 69 documents located at the link: [www.sammu.uz](http://www.sammu.uz).

The report is characterized by the completeness of the answers to the 9 main accreditation standards and criteria, structured taking into account the recommendations of the Guidelines for self-assessment of the educational program, which were provided to the educational organization by the accreditation centre - ECAQA, as well as the internal consistency of information. The report is accompanied by a covering letter signed by the Rector of SSMU - Rizaev Zhasur Alimdzhonovich, Doctor of Medical Sciences, Professor, who confirms the reliability of the quantitative information and information included in the self-assessment report.

The report contains a list of 11 members of the internal self-assessment commission indicating the responsibility of each employee, information about the representative of the organization responsible for conducting self-assessment of the educational program - Maryam Kozbaevna Iskakova, Candidate of Medical Sciences, Associate Professor, Head of the Department of Therapeutic and Paediatric Dentistry, Kazakh-Russian Medical University.

Self-assessment of the educational program “Dentistry” in the Russian language of instruction was carried out on the basis of order of the head No. 75/AF dated February 11, 2022 “On the preparation of educational programs of the institute for accreditation by the World Federation of Medical Education (WFME)” and “On the creation of a working group to conduct specialized self-assessment and writing a report.”

All sections of the report present the actual practice of Samarkand State Medical University in training bachelors in the specialty “Dentistry”, taking into account the start of admission of students in 2017, reasoned data, examples of the implementation of the objectives of the educational program, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. The description in the self-assessment report is quite complete and updated in terms of the number of students, teachers, administration, information on selection and admission, learning outcomes, results of evaluation of knowledge and skills, material and technical base of the university and clinical sites, contractual obligations with partners (universities, associations, database), financial information, plans for development and improvement, etc.

The report is presented to the ECAQA in complete form, with data adjusted according to the above recommendations, written in competent language, the wording for each standard is clear and understandable and described in accordance with the criteria of standards, tables and photo reports, contains links in the text and are continuously numbered.

The quality of the self-assessment report served as the basis for moving to the next stage of the accreditation procedure - external evaluation. The experts plan to validate the report data, compare the information from the report with the information that will be obtained during the visit to the educational organization, i.e. verifying quantitative and qualitative indicators.

### **3. Description of external expert evaluation**

External expert work as part of the evaluation of the educational program “Dentistry” in the Uzbek language and in the Russian language of instruction (Eurostream) was organized in accordance with the Guidelines for Conducting External Evaluation of Educational Organizations and Educational Programs of the ECAQA and in accordance with the visit program. Dates of visit to the organization: April 8-10, 2024

External evaluation is aimed at validating the data of the self-assessment report and verifying indicators indicating the degree of compliance with the criteria of accreditation standards.

The sequence of the visit within 3 days is presented in detail in the Visit Program (hereinafter referred to as the program), which is located in the documentation of the accreditation centre and in Annex 3 to this report. The program is evidence of the implementation of all planned activities within the framework of external expert evaluation.

To obtain objective information, members of the EEC used the following methods and their results:

- interviews with management and administrative employees – 15 people in total;
- interviews with students – 50 people;
- study of the website: [www.sammu.uz](http://www.sammu.uz) ;
- interviews with 45 employees, 55 teachers;
- survey of teachers and students - 70 and 259, respectively;
- observation of student's learning process: attended 7 (seven) practical classes. Department of Human Anatomy: topic of the lesson "Muscular system", teacher Hamrakulova Nargiza Orzuevna, 2nd year students of the Faculty of Dentistry, study room of the department in the educational building on the street A. Temura, 18; Department of Histology, Cytology and Embryology: topic of the lesson: "Mechanisms of cell division. Organization of mitosis and meiosis. Meiosis. Second meiotic division. The concept of the mitotic cycle and its periods. General patterns of the cell cycle", teacher Firdavs Suratovich Oripov, 2nd year students of the Faculty of Dentistry, study room of the department in the educational building on the street A. Temura, 18; Department of Biological Chemistry: topic of the lesson: "Metabolism of proteins and amino acids", teacher Khalikov Kakhor Mirzaevich, 2nd year students of the Faculty of Dentistry, study room of the department in the educational building on the street A. Temura, 18. The departments are well equipped with modern equipment, models, stands, and interactive "Pirogov tables" are available. There is an opportunity to independently complete the stages of the laboratory part of the lesson, for example, in biological chemistry classes, students take a blood sample and conduct biochemical studies with interpretation of the results obtained. The laboratory follows the rules of asepsis and antiseptics, there are quartz lamps and fume hoods. The biochemical laboratory is equipped with centrifuges, microscopes, both classical and electronic, etc. In addition, the Department of Biological Chemistry is a research environment for undergraduates, PhD students and teaching researchers.

Resources in the context of meeting accreditation standards: 5 clinical bases of practice/clinical engagement were visited, including the dental clinic of the Samarkand State Medical University, the Samarkand Regional Dental Clinic, the Samarkand Regional Children's Dental Clinic, the Regional Multidisciplinary Children's Clinical Hospital, the training and simulation centre where they conduct specialized training for students of 3,4,5 years of the educational program "Dentistry" with the participation of 12/8 full-time teachers/part-time teachers. The training and simulation centre provides students with practical classes in general surgical practice, where 1st and 2nd year students master the skills of a nurse using models and are taught to make subcutaneous, intramuscular and intravenous injections.

In all areas of dentistry, educational and methodological documents were provided in electronic and paper versions. While conducting lectures and practical classes, a Modular program is used, which includes educational and thematic plans, the content of the lesson, the final learning results, a list of educational literature, test classes, and independent work. During classes, each student is provided with workbooks approved at a meeting of the sectoral educational and methodological council for dental sciences of Samarkand State Medical University to consolidate theoretical and practical skills. In the workbooks, students independently complete the proposed tasks, determine the sequence of manipulations, and the level of task completion is assessed by the teacher.

The EEC Commission studied educational and methodological documents used in the educational process in five areas in the field of dentistry in the amount of 52 units both before the visit to the organization and during the visit to the departments. Educational and methodological documents were



provided in a synchronized electronic version (modular program, syllabuses, visual and methodological illustrations for classes (list of studied documents in Annex 2).

Members of the EEC visited the clinical bases of the Faculty of Dentistry: Dental Clinic of Samara State University, Department of Oral Surgery and Dental Implantology, teacher Khazratov Alisher Isamitdinovich, topic of the lesson “Open sinus lifting”, 5th year students of the Faculty of Dentistry, base address: st. M. Koshgari, 90. The dental clinic has a four-story building, with well-equipped and equipped treatment rooms, a modern technology park and an X-ray room. There are treatment rooms on three floors for learning practical skills and receiving patients. On the 4th floor there are 8 training rooms and an auditorium with 60 seats, equipped with a video camera for broadcasting and demonstrating the execution of the surgical stage and the ability to discuss the stages of the operation of tooth extraction, implant installation, etc. There are all the necessary conditions for mastering practical skills by 3rd, 4th and 5th year students. During their educational and practical training, students are provided with all conditions for the implementation of the program.

Samarkand regional dental clinic, located at: st. Ozod Shark, 10. The Department of Orthopaedic Dentistry is based in this regional dental clinic. We attended the lesson of the teacher Alisher Astanovich Akhmedov, the topic of the lesson was “Dental prosthetics on implants”, 5th year students of the Faculty of Dentistry. The dental clinic is equipped with modern equipment, impression materials, and has CAD/CAM - this is a modern computer technology for modelling and milling denture frames, expensive and very unique. There are medical and educational rooms, an auditorium with 60 seats. All necessary conditions have been created for students of 3, 4, 5 courses to master practical skills. During their educational and practical training, students are provided with all conditions for the implementation of the program.

Samarkand regional children's dental clinic, located at st. Nodira Begim, 5. The Department of Paediatric Dentistry is based in this clinic. The clinic has its own separate entrance, children's playground, on the ground floor there is a reception area, a primary examination room, an emergency dental care room, waiting areas for appointments, playrooms for children, corners for a healthy lifestyle and oral care, on the second and third floors treatment rooms for providing assistance in paediatric therapeutic dental care and for paediatric surgical dental care, orthodontic rooms; on the 4th floor there are classrooms, an auditorium with 60 seats and a screen with a video camera for broadcasting and demonstrating the provision of dental care to children. There are all the necessary conditions for students from 3 to 5 years to master practical skills. During their educational and practical training, students are provided with all conditions for the implementation of the program.

Regional multidisciplinary children's clinical hospital, located at st. G. Zhamshida, 21A, department of otorhinolaryngology, where the department of otorhinolaryngology No. 1 is based. The department has 45 beds, a resident's room, and study rooms for students. The head of the department provided the members of the EEC with educational and methodological documentation, teaching methods, syllabuses by specialty, and workbooks for students, educational journals, and patient supervision diaries.

The Department of Therapeutic Dentistry is located in building No. 4 of Samarkand State Medical University, at 2 Ibn Sina Street. The Department of Therapeutic Dentistry has 12 training rooms, an auditorium with 60 seats, a modern technology park, modern instruments for endodontic treatment and periodontics, modern filling materials, a Visio graph, binocular loupes. Students, starting from the 2nd year, undergo theoretical and practical training, receive volunteers under the supervision of a teacher, and observe the teacher while receiving patients.

The educational and methodological support of the department is at a good methodological level: work plans, educational and methodological documentation, and syllabuses for all courses of study, teaching materials, workbooks for students in all disciplines of therapeutic dentistry, test tasks, situational problems, and exam papers.

Samarkand State Medical University has concluded a bilateral agreement with all clinical sites. All clinical sites are accredited. The process of ensuring the safety of patients and students also involves doctors from clinical sites, heads of departments, and doctors on duty, under whose direct supervision patients are supervised.

The team of the accredited organization ensured the presence of all persons indicated in the visit program and according to the lists of interview sites (Table 1)

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

<b>№</b>	<b>Position</b>	<b>Quantity</b>
1	Rector	1
2	Vice-Rector	6
3	Dean	1
4	Heads of departments	7
5	Academic Staff	40 (including visits to departments)
6	Students	138
7	Graduates	28
8	Employers	32

On the last day of the visit to the organization, a meeting of EEC members was held based on the results of the external evaluation. The final discussion of the results of the external evaluation of the educational program, study of documents, results of interviews, talks, and questionnaires was conducted. Members of the EEC began drafting the final report of the EEC. Generalizations of the results of the external evaluation are made. The experts individually completed the “Quality Profile and criteria for external evaluation of the educational program “Dentistry” for compliance with the ECAQA Accreditation Standards.” No comments were made by the EEC members. Recommendations for improvement of the educational program were discussed and the chairman Zhunusova Aigul Bitimbaevna held a final open vote on recommendations for the ECAQA Accreditation Council for the accreditation period of 5 years.

Comfortable conditions were created for the work of the EEC, and access to all necessary information and material resources was organized. The Commission notes the high level of corporate culture of the University, the high degree of openness of the team in providing information to members of the EEC. The management, staff, teachers and students showed respect for the members of the EEC commission, timely information was provided to all requests, comfortable conditions were created for the work of the commission, and laptops were provided for work outside of class hours.

*While conducting a survey of students, the work of the External Expert Commission on Accreditation was assessed as positive, 98%, 2% as satisfactory. The majority of respondents (99.1%) believe that it is necessary to accredit educational organizations or educational programs.*

*According to 100% of teachers, the survey conducted by ECAQA is useful for developing recommendations for improving key areas of activity of an accredited educational organization.*

At the end of the visit, the chairman of the EEC announced recommendations based on the results of the external evaluation as part of specialized accreditation to the management and employees of the educational organization.

#### **4. Analysis of compliance with accreditation standards based on the results of an external evaluation of the educational program “Dentistry” of Samarkand State Medical University**

##### **Standard 1: MISSION AND OUTCOMES**

###### **1.1 Mission statement**

The university has defined the mission of the educational program, which is formulated as “the preparation of competitive, sought-after specialists with high academic, professional and communicative competencies based on an innovative learning model and the introduction of scientific developments into the educational process in accordance with the requirements of practical healthcare and lifelong learning.” The mission is brought to the attention of stakeholders and the healthcare sector through communication channels such as the official website of SSMU, Telegramm, Instagram. Students and stakeholders are aware of the mission. The mission and vision of the educational program correspond to the mission and vision of the university, since the Mission of Samarkand State Medical University (SSMU) is aimed at serving society through training competitive specialists in the field of public health, improving health care based on the integration of advanced educational, scientific and medical technologies.” The University's mission was first formulated in 2014 and revised in 2018 and 2022. The latest edition of the university's mission, in connection with obtaining university status on the basis of Decree of the President of the Republic of Uzbekistan No DP-188 “On the establishment of Samarkand State Medical University and further improvement of the personnel training system in this field” dated April 1, 2022 (<https://lex.uz/docs/5934205>), was updated and approved by the Decision of the Supervisory Board of SSMU (Minutes No. 2 of May 23, 2012). Mission Vision - An innovative university, continuously developing on the principles of the academic system of health and science, which unites the efforts of professionals, inspired by a single mission, sharing common values, to generate, transmit and use knowledge about health and for the sake of public health.

While implementing the activities of the visit program, namely, based on the results of an interview with the first head of the organization, members of the advisory body of the Academic Council, in interviews with 50 students and 55 teachers, compliance with the criteria of standard 1 was established. All participants in the educational process know the mission of the educational program, took part in the formation of proposals for formulating the mission, while the mission is brought to the attention of potential students through the website, social networks, and information letters to medical organizations.

The mission statement contains the goals and educational strategy to enable the implementation of professional education at the undergraduate level, including the pre-graduate level. Based on the results of the commission's work, *it is recommended to include an internship in the educational program*. An interview with graduates of the educational program showed that they can work in dental clinics, providing therapeutic, surgical, orthopaedic, paediatric dental care, and orthodontics at the outpatient level. To work in the departments of maxillofacial surgery (adult and paediatric), it is necessary to undergo residency training, which meets the requirements of practical healthcare. For example, the presence of a training and simulation centre has a positive effect on the quality of practical skills training. Graduates of the educational program have skills such as odontopreparation, tooth extraction, root canal obturation, splinting for jaw fractures, splinting, which is necessary for subsequent postgraduate training in residency and master's programs. The skill of lifelong learning is formed in students by introducing active and interactive methods into the educational process and is developed through making independent decisions and scientific interest.

The mission and goals of the educational program define values such as people (society, patients, students, employees); professionalism (in science, education, treatment process, management); Openness (openness to society; openness to new things; openness of the decision-making process); traditions (preserving advanced traditions, we create innovations in medical science, practice and education); Team approach (involvement in the work and process of preparing decisions of all interested parties, including students, master's students, doctoral students, residents). The mission and vision of SSMU correspond to the charter of the educational organization, determine the main

directions of the organization's activities and are presented in the document "Program for the comprehensive development of Samarkand State Medical University for 2022 - 2025", approved by a resolution of the President of the Republic of Uzbekistan.

Thus, the mission and goals of the educational program identify the problems of public health and the needs of the medical care system. The university's social responsibility is built on the principle of constant improvement of the material, technical and innovative base of the university, rewarding talented and gifted students and teachers, providing financial assistance to students from large families and employees with many children, which was confirmed during meetings with students, teachers, and the vice-rector for youth affairs Tangirov Yeldor Saifullaevich and head of the department for youth affairs, spirituality and education Muratov Odil Ismatullaevich.

The mission of the educational program includes the introduction of scientific developments into the educational process in accordance with the requirements of practical healthcare. The scientific method has been introduced into the educational program. This allows students to engage in research activities in basic and core disciplines from the first year. While meeting with students, they confirmed the importance of scientific research, the possibility of additional training in scientific circles, scientific schools in areas, participation in Olympiads, scientific and practical conferences at the university, city, interuniversity, republican and international levels. There is no doubt that mastery of the scientific method and the ability to use it in practical healthcare helps to introduce innovative methods of diagnosis and treatment, which affects the quality of treatment; there is the possibility of further training in residency and master's programs.

Experts familiarized themselves with the university's 5-year strategic plan, which includes areas such as undergraduate level (including internship) with an appropriate basis for a future career in any field of healthcare; implementation of scientific advances in health care and aspects of global health; a joint educational program with Webster University (USA) for the training of nurses under the partner university program; opening of the Research Institute of Rehabilitation and Sports Medicine, Research Institute of Microbiology, Virology, Infectious and Parasitic Diseases named after L.M. Isaev, multidisciplinary clinic named after L.M. Isaev, specialized scientific and practical centre for neurosurgery and neurorehabilitation, scientific centre for immunology, allergology and human genomics. This allows SSMU to significantly increase its research potential and the number of bases for clinical, practical and scientific-clinical activities.

Of great importance for the activities of the university is the presence of 27 international cooperation agreements and memorandums of understanding with foreign educational, scientific and clinical organizations (South Korea, Turkey, the Republic of Belarus, the Russian Federation, Germany, Poland, Italy, and India).

The University is working with the Privolzhsky Research Medical University on training in second degree programs in IT technologies. The program is conducted in parallel with general medical training; upon completion, along with a medical diploma, graduates receive a second higher education in bioinformatics.

In general, it should be noted that the submitted documents confirm the fulfilment of the accreditation standard and demonstrate the goals, objectives and prospects of the university. From interviews with students, it was established that before the start of classes, teachers inform about the mission and work plans of the university, and tell where to get the necessary information about the educational program, teachers, and training bases.

It is necessary to note the strengths of the university: the status of a National Research University; university management systems within the framework of academic freedom; highly qualified Academic staff; double degree program, active cooperation with strategic partners; joining the "League of Academic Honesty"; digitalization of business processes at the university; application of various strategic management tools in the activities of the university; commitment to the values and traditions of the university, continuity of generations.

The results of studying the documentation demonstrate that the mission of the organization and the mission of the educational program 60910100 "Dentistry" meet the requirements for the

preparation of undergraduate students, and the educational process is built in accordance with the educational standard and Laws and Statutory Instruments (LSI) in higher education and healthcare. At the same time, during meetings with teachers and students, experts drew attention to the great help of the leadership, namely, the rector Rizaev Zh.A to solve social problems on the part of both students and teachers. The system of motivation and reward functions well, which contributes to achieving high performance in the teaching activities. However, problematic factors remain the development of an effective mechanism for involving promising youth in scientific and pedagogical activities and the development of professional competencies of teachers, taking into account new educational technologies.

## **1.2 Institutional autonomy and academic freedom**

The university has institutional autonomy to develop and implement a quality assurance policy, for which the administration and Academic staff are responsible. Based on Resolutions of the President of the Republic of Uzbekistan dated December 24, 2021 No DP-60 “On additional measures to ensure the academic, organizational and managerial independence of state higher educational institutions” and No DP-61 “On measures to provide financial independence to state higher educational institutions” in Samarkand State Medical University has introduced elements of academic, organizational and managerial, as well as financial autonomy. Academic freedom implies independence in the development and implementation of educational programs, within the framework of the State Standard of Higher Education (Order of the Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan No. 11 dated October 19, 2021) and is implemented through the university component. Freedom in the preparation of educational programs is achieved by describing syllabuses, CED, IEP, WC, the form, structure and procedure for development of which are determined by the organization independently. The educational program, after approval by the department, is reviewed at meetings of the Central Educational and Methodological, Academic and Supervisory Councils.

The university has identified stakeholders that include students, faculty, clinical mentors, clinical site representatives, administrative staff, advisory bodies, and alumni. Cooperation with all stakeholder groups helps the university achieve the goal of forming and implementing standards of corporate ethics, creating a scientific, socio-cultural, healthy corporate environment, and trust in the healthcare system.

Experts found that teachers from basic and specialized departments participated in the development of the mission of both the university and the educational program 60910100 “Dentistry”. The mission of the educational program was considered at a meeting of the Academic Council (Minutes No. 2 of October 15, 2021). Stakeholders took part in formulating the mission, which was confirmed by studying the minutes of the Academic Council. A meeting was held with Rector Rizaev Zh.A. During the conversation, experts asked the following questions: student population, seniority of teachers, career opportunities, participation in international scientific and practical conferences, funding of scientific projects, social assistance program for employees and students, availability of contracts, double-degree training programs, and future prospects for the university. During the answers, the Rector of the organization confirmed that the degree of teachers is 51% and there are all conditions for career growth. The university has the opportunity to study for a master's degree, PhD doctoral student; has its own dissertation council. All social problems of students and teachers are resolved by the social commission. The university has the status of a Research University. Each department has scientific grants, through which teachers and students can take part in scientific and practical conferences and international Olympiads.

*When conducting a survey of 138 students (on the resource. <https://webanketa.com/>), out of 22 questions, a number were devoted to the quality of the educational process and educational program. It was found that 86% of students would recommend studying at this educational organization to their acquaintances, friends, and relatives. 5% of respondents believe that educational program leaders and teachers are aware of students' problems related to learning. To the question “Do you think this educational organization allows you to acquire the necessary knowledge and skills in your chosen*

*specialty?”, 96% of students answered positively, 4% were not sure about this, could not answer this question yet and would like to believe it - no answers.*

*The 40 teachers surveyed (21 survey questions) also answered that 98% are satisfied with the organization of work and workplace in this educational organization, and 2% partially agree with this statement. Experts determined that the organization has a healthy microclimate, since the manager is quite accessible to both students and employees, responds promptly to requests, calls, and Whatsapp messages. In the questionnaire, 95% of teachers are satisfied with the microclimate of the organization, and 5% are partially satisfied. According to 90% of educational organizations, a teacher has the opportunity to realize himself as a professional in his specialty. For your information, a total of 80 people responded (111 in total in the state), with 16% having teaching experience of up to 5 years, 48% having up to 10 years of experience, and 36% having more than 10 years of teaching experience.*

### **1.3 Final learning outcomes**

The expected final learning outcomes for the program 60910100 “Dentistry” (Uzbek and Russian languages of instruction) are determined on the basis of the internal regulatory document “Network Tariff and Qualification Directory” of Samarkand State Medical University and are reflected in the syllabuses. The final learning outcomes take into account the knowledge and skills of basic medical disciplines and core disciplines. The final learning outcomes of the EP “Dentistry” are aimed at adhering to the principles of practice-oriented and patient-oriented learning, contributing to improving the quality of education and improving the quality of the educational process. Students master qualitative and quantitative indicators during curricular practical training and work experience internship, which form the basis of a future career in the field of dentistry and healthcare. The final learning outcomes allow the bachelor's degree graduate to continue his studies in residency and/or master's programs. The University developed and implemented the “Regulations on the Education Quality Control Department”

Competencies include the knowledge, skills and attitudes that trainees must demonstrate at the end of the training period. Special competencies (learning outcomes) that reflect the formation of the basic skills of a clinician during the training process include patient consultation (history collection, objective examination), clinical case evaluation (differential diagnosis; determination of an examination and treatment plan; evaluation of the effectiveness of therapy), provision of emergency medical care; effective communication, application of ethical and legal principles in medical practice; application of achievements of biomedical sciences based on research, scientific knowledge and evidence-based medicine; use of information technology; the skill of working effectively in the healthcare system to solve public health problems, identify risk factors and prevent diseases, improve the health of patients and population groups. Practical training is provided on the job in hospital and primary care settings. The implementation of the educational program 60910100 “Dentistry” is based on modern principles and achievements of education, science and practice, which allow students to most fully, develop key professional competencies and achieve the expected final learning results.

The knowledge, skills and abilities that will be necessary when working in healthcare organizations in positions such as dentist are taken into account. It was found that in 2023, 16% of graduates of the “Dentistry” program in Russian and Uzbek language of instruction entered the master's program and 18% entered clinical residency.

The university pays significant attention to compliance with standards of conduct and the Code of Ethics for Student Conduct, the Code of Honour for Academic staff and employees of SSMU (August 22, 2023). This mechanism includes: familiarization of employees and students with the provisions of internal regulatory documentation, requirements for organizing the educational process, the main directions of work of structural units, internal regulations of the University ([https://www.sammu.uz/uz/pages/internal\\_regulations](https://www.sammu.uz/uz/pages/internal_regulations)) and etc.; creation of a corporate culture based on equality of rights and responsibilities of employees and students, respect for their personal dignity. The Code of Honour is signed annually at the beginning of the year by each student upon admission and by each newly hired teacher or employee. All provisions of the Code must be strictly followed.



At the Ethical Council of SSMU, approved by the decision of the Board by protocol No. 2 of May 23, 2012, and at the Disciplinary Council for reviewing the responsibility of students, approved by protocol No. 2 of May 23, 2012, various cases of violation of academic integrity by students, teachers and university employees are examined.

The experts familiarized themselves with the contents of the document. The interviewed students said that the leadership, namely Rector Zh.A. Rizaev, pays great attention to students. Experts have established that the provisions of the Code are actually applied, which was confirmed when visiting practical classes and clinical training sites for students. For example, during visits to practical classes at clinical sites, students are provided with workplaces where they observe the reception of patients or carry out the reception independently under the supervision of a teacher.

The policy of academic integrity is described in the internal regulatory document “Internal Rules and Code of Ethics of Samarkand State Medical University”, approved on August 22, 2023. Experts found the following evidence of compliance with academic integrity: the presence of an Anti-Plagiarism system to check written scientific works for the presence of text borrowings. A disciplinary commission operates at the level of the Faculty Council.

The university pays significant attention to compliance with standards of conduct and the Code of Academic Honesty for students, the Code of Honour for Academic staff and employees of SSMU. This mechanism includes: familiarization of employees and students with the provisions of internal regulatory documentation, requirements for organizing the educational process, the main directions of work of structural units, internal regulations of the University ([https://www.sammu.uz/uz/pages/internal\\_regulations](https://www.sammu.uz/uz/pages/internal_regulations)) and etc.; creation of a corporate culture based on equality of rights and responsibilities of employees and students, respect for their personal dignity. The Code of Honour is signed annually at the beginning of the year by each student upon admission and by each newly hired teacher or employee. All provisions of the Code must be strictly followed.

The University has determined and coordinates the connection between the final learning outcomes and the requirements for applicants for postgraduate study programs. This is expressed in the fact that the final learning outcomes of a university graduate are consumer-oriented, determined taking into account the achievements of scientific and technological progress and international standards in higher medical education in order to ensure competitiveness in the labour market.

The university has a student scientific society (Regulations on the student scientific society, 2019), which activities involve 420 people (42% of the students in the educational program). In total, the university has 28 scientific student projects, and over the course of 5 years their number has grown from 16 to 28. Student scientific circles in specialized departments are actively working in this direction. The benefit of student participation is that they are involved in scientific research and can participate in scientific projects with leading international and national research centres, higher medical educational institutions, as well as centres in information technology areas. The faculty is introducing the principle of “Learning through research,” which allows students to combine the educational process and research activities within the framework of the educational program. Students acquire the skill of scientific competence, are passionate about science, and in the future they have the opportunity to further study at a master's degree.

Thus, the educational program 60910100 “Dentistry” was developed on the basis of the Decree of the President of the Republic of Uzbekistan No. DP-188 “On the establishment of the Samarkand State Medical University and further improvement of the training system in this field” dated 04/01/2022, taking into account the fact that “a prerequisite educational programs of SSMU for students will participate in projects of a scientific nature, and the goals of the program correspond to the expected final learning outcomes (ESG 1.2).

#### **1.4 Participation in formulating the mission of the educational program**

The experts found that students, teachers, clinical mentors involved from clinical sites, administrative staff, advisory and consultative bodies, graduates participated in the development of the mission, goals and objectives of the educational program 60910100 “Dentistry”. Cooperation with all stakeholder groups helps the university achieve the goal of forming and implementing standards of

corporate ethics, creating a scientific, socio-cultural, healthy corporate environment, and trust in the healthcare system.

The stated mission is based on the opinions and proposals of interested parties as a result of discussion at the level: student audience, graduates (discussion of opportunities), department staff (discussion in a working group, at a department meeting), in the dean's office, at a meeting of the Academic Council. Corrections were made to the general structure of the program, to the formation of its goals and results. The educational program was entered into the Republican Register of Educational Programs.

Thus, experts have established compliance with standard 1, and the university supports the main directions of development of the faculty.

***Conclusions of the EEC on the criteria.*** Complies with 12 standards: fully – 12..

***Recommendations for improvement: no.***

## **Standard 2: EDUCATIONAL PROGRAMME**

### **2.1 Educational program model and teaching methods**

The educational program defines a curriculum that includes general, basic and specialized disciplines. The curriculum is the main document on the basis of which a syllabus, an educational and methodological complex of the discipline is developed, a schedule is drawn up, the teaching load of Academic staff and the teaching load of students are determined. Teaching methods used at the university include case-based learning (CBL), problem-based learning (PBL), business, role-playing games, brainstorming, group discussion, mixed inquiry, small group teaching, simulation technology, presentations. Innovative teaching methods are characterized by maximum approximation to the real professional situation and allow the most effective formation of the professional competencies of the future specialist and the responsibility of students for the result of the learning process.

During the interviews, students said that the training is based on the use of innovative teaching methods, which uses both classroom (50%) and independent (50%) student learning.

To implement the educational program 60910100 “Dentistry”, the organization's documents contain EMCD, which defines the goal, takes into account the integration of practical and theoretical components, and independent work. Compliance with SCES and standard requirements has been established. By attending a practical lesson (or seminar/master class) on the topic “Treatment of pulpitis in children with formed roots”, volume 6 hours, the experts received convincing evidence that the training is carried out according to plan, before the start of the lesson students answer tests, receive feedback from teachers have the opportunity to improve their skills in applying devitalizing paste. The university ensures compliance with ethical aspects in the implementation of the educational program, since experts studied the code of ethics and during interviews with students they responded that they were informed about the contents of this document.

During training, the principles of equality in relation to students are observed, regardless of race and religion, which is documented in the Code of Ethics and was confirmed during attendance at classes and conducting surveys. Thus, in all courses of the educational program “Dentistry” (Russian/Uzbek languages) in 2024, 1096 students are studying, of which 256 are women. Disabled people are 5 people. There are 7% of students from socially vulnerable groups, and their support is enshrined in the internal regulatory document “Providing social assistance to SSMU students”

The educational program develops students' abilities to learn throughout their lives and this is confirmed in article 4 of the Law of the Republic of Uzbekistan "On Education" dated September 23, 2020 No LRUz-637. The students said that they are given every opportunity to acquire all the necessary skills - this includes training at the simulation centre, and independent work at the department in the form of participation in SSS, various specialized clubs, participation in Olympiads, and competitions. Students with outstanding results are encouraged by management in the form of personal scholarships, bonuses, etc.

The educational program develops students' ability to learn throughout life and this is confirmed



in the Academic Policy. Students said that they are given the opportunity for additional (extracurricular) training, both at the Simulation Center and at clinical sites.

In the educational program, the final results are clearly formulated and take into account the requirements of practical healthcare in relation to such skills as: working with dental equipment and instruments, conducting a full dental examination of the oral cavity, performing injection and non-injection anesthesia, determining the type of caries process, performing grinding on phantom teeth with I – V classes of caries, filling carious cavities on phantoms with temporary fillings, etc. The entire list of practical skills is reflected in the Qualification Characteristics and requirements for graduates of this educational program.

Student-centered learning implemented at the university consists of organizing an ordered set of pedagogical environment at the university, which includes material and technical components, namely a sufficient number of equipped classrooms, educational and scientific laboratories, a library with an electronic catalog and access to library websites of world universities, computer rooms, etc.). The material and technical component provides an innovative educational environment, providing independent work in student self-training areas, stimulating the manifestation of an innovative approach in solving students' problems, and the development of student self-government. The provided innovative educational environment consists of providing classrooms depending on the form of classes, places for recreation, individual and collective work. The innovative space allows students to master professional skills, practical knowledge, strengthen responsibility and self-organization. The implementation of student-centered education at the university also lies in the active participation of students in the preparation of educational plans and programs, as well as the opportunity to choose an educational trajectory.

Students learn consciously and understand the responsibility for the learning process and that they need to maintain their professional education throughout their lives. Experts have found that the educational program 60910100 "Dentistry" is based on modern principles and achievements of education, science and practice and allows students to fully develop key professional competencies and achieve the expected final learning outcomes.

The qualification obtained as a result of mastering the educational program "Dentistry" in Uzbek and Russian languages of instruction is documented in the diploma as "Dentist", which corresponds to level 6 of the National Framework for Qualifications and Qualifications applied in the European Higher Education Area. (ESG 1.2). According to the Decree of the President of the Republic of Uzbekistan No. DP-5847 "On approval of the concept of development of the higher education system of the Republic of Uzbekistan until 2030" dated October 8, 2019, the structure of training of healthcare specialists has been changed. The educational program "Dentistry" is consistent with the European principles of the higher education system.

Students confirmed that Dean Akhmedov Alisher Astanovich takes an active part in the educational process, advises students on issues of training, practical training, goes to clinical sites, and is interested in the achievements of students. The dean's office holds meetings with students, conducts surveys, the faculty council discusses current issues, and discusses a plan for improving the work of departments and the dean's office.

Student personal development is carried out by the Department for Work with Gifted Students

***Youth Union, dean's office and includes skills of self-development and self-improvement throughout life. The concept of "self-development" and "self-improvement" includes independent work to master the educational program by students, professional and personal development of the student, which is supported by an appropriate resource base. (ESG G 1.2).***

The educational program "Dentistry" in Russian was developed for the first time in 2017, the last update was in 2022. The developers are Akhmedov A.A. Familiarization with the content of the educational program showed that the goals are consistent with the expected learning outcomes. Senior students are involved in the formation of proposals on the content of the educational program. The program was reviewed by stakeholders and approved by the Academic Council of SSMU. The total academic load is: compulsory disciplines are 8700 hours/290 credits (ECTS). The elective component

is 1020 hours/34 credits (ECTS) of the total amount of disciplines. Professional practice, which is included in the mandatory component of the EP, is 840 hours/28 credits. The students said that professional practice takes place at clinical bases, where the students themselves assist dentists, and if they wish, they can practice additional skills in the Simulation Centre during extracurricular hours. The teachers confirmed that the training is student-centered and practice-centered and is aimed at achieving the final learning outcomes in accordance with the State Compulsory Education Standard for students admitted in 2017-2020 approved by order of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan No. 303 dated August 21, 2015 (registered with the Agency for Standardization, Metrology and Certification of the Republic of Uzbekistan No. 36.2018 in 2016), for students admitted in 2021-2022 approved by order of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan No. 11 dated October 19, 2021 (registered by the Ministry of Justice of the Republic of Uzbekistan on October 27, 2021; Registration number 42) “On approval of the state standard of the Republic of Uzbekistan “State Standard of Higher Education; Classifier of directions and specialties of higher education.” The educational program was approved at a meeting of the Academic Council and introduced by order on the basis of Protocol No. 11 of June 29, 2022 (**ESG G 1.2**)

*Of the students surveyed, 78% responded that teachers in the classroom use active and interactive teaching methods quite often, 22% believed that they rarely or sometimes. While visiting an educational organization, experts identified problems in assessing students' knowledge and skills.*

*The surveyed teachers responded that 72% were completely satisfied with the level of students' prior training, and 28% were partially satisfied.*

*70% of the teacher respondents believe that university students have a high level of knowledge and practical skills after completing the training program, and 30% partially agree with this.*

## **2.2 Scientific method**

The principles of scientific methodology, including methods of analytical and critical thinking, scientific research methods in healthcare, and issues of evidence-based medicine are considered in the following disciplines of the educational program: “Fundamentals of Evidence-Based Medicine”, “Research Methods and Biostatistics”.

The university is introducing the principle of “Learning through research”, which combines the educational process and research activities within the framework of the educational program. At the undergraduate level, 40-50% of students are engaged in scientific work within the framework of scientific circles of university departments. During clubs, students can stay and work in the Simulation Centre and work directly with patients under the guidance of the teacher responsible for the club. The scientific work of students is coordinated by the research and development sector under the Department of Science and Innovation, under the control of the head of the department for organizing research activities of gifted students. In addition to clubs at the departments, at the initiative of students and teachers of the university, such courses as “Medical English”, “Scientific Literacy” and “Training on Correct Writing of Articles” are conducted.

The experts had a conversation with teachers who teach students the above skills and were convinced that the teachers have the appropriate competence, since they have academic degrees and are themselves the students' supervisors.

A meeting was held with the Vice-Rector for Research and Innovation A.S. Kubaev and the head of the scientific research department, Kim A.A., where the results of student participation in small research projects were demonstrated. Among the students are the winners of the 20th International Research Competition “Student of the Year - 2022”, held by the Scientific Centre for International Cooperation of Science and Education in Penza (Russian Federation); “Best student” among scientific and educational institutions of the Commonwealth of Independent States, organized by the Association of Legal Entities in the form of the association “Public Movement “Bobek”; winner of the silver medal at the international competition of computer projects “Infomatrix Asia”. In 2023, 781 students became winners of international and national competitions, conferences and scientific Olympiads.

In total, the university has 69 student scientific clubs, in which 1,571 gifted students actively participate. The students said what was important for them when participating in research was the opportunity to engage in scientific research, travel to countries near and far abroad for scientific and practical conferences and give presentations, and have the opportunity to admit in a master's program. An analysis of educational activities showed that the scientific basis and all the achievements of science in the advising disciplines were taken into account, additions were made to the bibliography of EMCD and syllabuses, and teachers use them in the classroom.

While compiling the EP, the principle of continuity and consistency in the study of the discipline, their integration in relation to basic sciences and clinical training, was observed. Students study the basic sciences in the context of their clinical relevance, exploring clinical topics by relating them to the basic sciences.

The educational program in specialty 60910100 "Dentistry" provides for the mandatory inclusion of basic (preclinical) biomedical sciences. In the curriculum of the direction of education "Dentistry", preclinical disciplines amount to 2250 hours (75 credits), while biomedical sciences are represented by the following disciplines: Anatomy: anatomy of the head and neck 360 hours (12 credits), Histology, cytology and embryology - 210 hours (7 credits), Physiology: physiology of the maxillofacial region – 210 (7 credits), Biochemistry: biochemistry of the maxillofacial region – 180 (6 credits) and Pathology 240 hours (8 credits), microbiology, virology, immunology 180 hours (6 credits).

Preclinical disciplines - elective components are presented in the form of the following disciplines: "Molecular physiology and pathophysiology" – 2 credits, "Fundamentals of clinical genetics" – 2 credits, Bioethics – 2 credits, "Safe labour activity" – 2 credits, etc. Students choose elective disciplines in accordance with the catalogue of disciplines presented on the university website [https://www.sammu.uz/en/pages/catalogue\\_sciences](https://www.sammu.uz/en/pages/catalogue_sciences), and also have the opportunity to get acquainted with elective disciplines when submitting a work study by tutors.

The tutoring system, which is described, was evaluated according to Order No. 769 of 10/12/2021. There are 56 tutors in total, whose tasks are to assist in evaluating the abilities and interests of students, in choosing elective disciplines, and drawing up an individual development program for the period of study.

The procedure for informing students about their rights and responsibilities is reflected in the "Internal Rules of Samarkand State Medical University" and approved at a meeting of the Academic Council (Minutes No. 4, 2024). This demonstrates compliance with Standard 2 in terms of tailoring teaching to student needs.

### **2.3 Basic biomedical disciplines**

The educational program defines basic biomedical disciplines with a total volume of 2250 hours (75 credits), with biomedical sciences represented by the following disciplines: Anatomy: head and neck anatomy 360 hours (12 credits), Histology, cytology and embryology - 210 hours (7 credits), Physiology: physiology of the maxillofacial region – 210 (7 credits), Biochemistry: biochemistry of the maxillofacial region – 180 (6 credits) and Pathology 240 hours (8 credits), microbiology, virology, immunology 180 hours (6 credits). In the EP from 2022 in the field of education "Dentistry", 3690 hours are allocated to specialized disciplines. The disciplines are arranged in the following postgraduate education modules: "Therapeutic Dentistry" – 41 credits, "Pediatric Therapeutic Dentistry" – 18 credits, "Surgical Dentistry" – 17 credits, "Maxillofacial Surgery" – 16 credits, "Orthopedic Dentistry" - 31 credits.

There are 12 departments located in the academic building at the address: st. Amir Temura, 18 and 6 departments - at clinical bases; The Department of Therapeutic Dentistry is based in the Simulation Center.

The educational program is regularly updated with new data on modern advances in behavioral and social sciences, as well as medical ethics. In addition, the EP is supplemented with information based on an analysis of the changing demographic and cultural living conditions of the population, as well as working conditions in the healthcare system.

The educational program takes into account new achievements in biomedical disciplines, namely, the introduction of innovative scientific achievements, the implementation of which is carried out through scientific research (intra-university grants, grants from the agency of science and innovative development, etc.), student research clubs, a visiting program - professors of leading medical universities near and far abroad).

The update is carried out annually, especially with regard to the selection of elective disciplines, and the responsibility for this lies with the head of the educational and methodological department L.M. Garifulina and Dean of the Faculty of Dentistry A.A. Akhmedov.

#### **2.4 Behavioral and social sciences and medical ethics**

The educational program defines behavioral, social disciplines, medical ethics and medical law with a total volume of 80 hours (18%). The educational program “Dentistry (in areas)” includes such behavioral and social sciences as the modern history of Uzbekistan, bioethics, general hygiene, epidemiology, public health, healthcare organization, medical psychology, fundamentals of psychology and pedagogy, ethics and dentistry of a doctor, legal framework medical activities.

Students' understanding of socio-economic, demographic issues, health problems, awareness of the national healthcare system, the rights of the doctor and the patient, is formed and developed through the disciplines of healthcare organization, medical psychology, fundamentals of psychology and pedagogy, ethics and dentistry of a doctor, legal foundations of medical practice at 1st, 2nd, 3rd year of study. The study of medical ethics in a changing environment with patients, families, and colleagues facilitates effective communication, clinical decision-making, and ethical practice, as well as working effectively in the health care system and addressing public health issues. 14 teachers are involved in this.

The educational program takes into account new achievements in the behavioral and social sciences, namely, training in the current and expected needs of society and the health care system, as well as changing demographic and cultural conditions. The update is carried out once a year and the responsibility for this lies with the head of the educational and methodological department L.M. Garifulina and Dean of the Faculty of Dentistry A.A. Akhmedov.

#### **2.5 Clinical disciplines**

In the educational program, the total volume of clinical disciplines is 2250 academic hours (38%). The disciplines take into account the issues of diagnosis, treatment and prevention of various dental diseases.

Clinical training is carried out taking into account the safety of all participants in the educational process and patients. In total, the university has 28 clinical bases, of which 2 are its own clinics, including 6 bases where students of the Dentistry educational program are trained. The experts evaluated the compliance of the clinical bases with the disciplines and topics of the educational program and came to the conclusion that the students' training corresponds to the level of the qualification “General Practitioner Dentist” obtained.

As part of the implementation of the educational program, students take part in clinical discussions, surgical interventions and manipulations, receive patients, and are on duty in medical institutions.

Early contact with real patients is ensured through the intake of volunteers, which is documented in the syllabus. Students said that they acquire basic skills at the Simulation Centre, then at clinical sites they observe the work of a teacher or independently see patients under the supervision of a teacher. Senior students supervise 1-2 patients per day. Admission to assisting in operations begins from the 4th-5th year. While attending practical classes, experts found that the clinical bases are well equipped, have a modern technology park, and students receive appointments under the supervision of a teacher. Visiting the clinical bases of Samarkand State Medical University, Department of Therapeutic Dentistry; Samarkand Regional Children's Dental Clinic, Department of Paediatric Dentistry; Samarkand Regional Dental Clinic, Department of Orthopaedic Dentistry; Dental Clinic of SSMU, Department of Oral Surgery and Dental Implantology, it was established that practical classes are conducted at a professional level. Students have access to modern technologies to practice and

master practical skills.

The various components of clinical skills training are clearly structured according to the specific stage of the program. For example, the fluorescent diagnostic method is used to diagnose dental caries, and modern composite filling materials are used for treatment.

While attending a practical lesson on the topic “Open sinus lift”, lasting 6 hours and talking with students, experts saw that the organization promotes the development of practical competencies of students, including on simulation equipment (a training dummy is used). At the same time, students deepen their theoretical knowledge and develop communication skills.

## **2.6 Structure, content and duration of the educational program**

The educational program describes the content, volume and sequence of cycles, disciplines, and topics. The ratio between basic biomedical, behavioural, social and clinical disciplines is maintained in proportions of 1:2.

There is horizontal integration of such disciplines as anatomy, histology, cytology, physiology, biological chemistry, pathological anatomy, and pathological physiology. Vertical integration in relation to clinical and basic biomedical disciplines can be seen in the integration of knowledge and skills with specialized disciplines (therapeutic dentistry, paediatric dentistry, surgical dentistry, prosthetic dentistry), as well as with behavioural and social disciplines, such as medical psychology, fundamentals of psychology and pedagogy, ethics and dentistry of a doctor, legal foundations of medical practice.

26 electives have been developed, taught at 3, 4, 5 courses. The elective component is 1020 hours/34 credits (ECTS) of the total amount of disciplines. Changes in curricula for 2022-2023 (adding an optional component “Oncohematology”, “Psychosomatics”, “Fundamentals of Transplantology”) correspond to current realities (deterioration of the epidemiological situation for oncological diseases and borderline psychiatric pathology, widespread development of transplantation throughout the world), took into account the needs of practical healthcare and the wishes of employers (increase number of conflict situations in the healthcare system). Every year, based on the results of discussions with employers, the catalogue of elective disciplines is updated.

Students are given the opportunity to choose electives through a modular program. Students said that before choosing elective disciplines, the dean’s office organizes a meeting with department teachers, and tutors provide great assistance in choosing. Electives were developed by the departments of therapeutic dentistry, paediatric dentistry, surgical dentistry, orthopaedic dentistry and approved at a meeting of the Central Educational and Methodological Commission in 2022.

The relationship with complementary medicine, including non-traditional, traditional or alternative practices, can be traced in the 1st and 2nd years, when junior year students master the elements of paramedicine, and in senior years - the use of physiotherapeutic methods in the treatment of periodontal tissue diseases.

There are documents containing requirements for the structure and content of educational programs, including State Compulsory Educational Standards, Standard Curriculum, Working Curriculum. Responsibility for the selection and implementation of innovations in the educational process lies on Vice-Rector for Academic Affairs Nargiza Anvarovna Yarmukhamedova.

The content of work programs and the catalogue of elective disciplines reflect the needs of the healthcare system, including, on the recommendations of employers, verbal and non-verbal communications with patients and their relatives are practiced. New subjects have been introduced - “Communicative Foreign Language” and “Scientific Research and Biostatistics”; as well as the specifics of research in and scientific achievements of teachers. These include the following: Learning through Inquiry.

*Results of the student survey: teachers provide students with methodological and didactic materials, additional literature to prepare for classes, with which 98% are completely satisfied, 2% are partially satisfied, and 0% is not satisfied.*

*The university has its own clinical base with 45 beds and 250 daily outpatient visits, and has also entered into 27 agreements with medical organizations, including 8 foreign ones (Volga Region*

Research University, South Korea, Turkey, Belarus, Russian Federation, Germany, Poland, Italy, India).

And to the survey question “Is there enough time for practical training (supervision of patients, etc.)”, 87% of students responded with complete agreement, 13% partially agreed, 0% disagreed. At the same time, 65% of students claim that after completing classes the teacher provides feedback (listens to your opinion, conducts a mini-questionnaire, works on mistakes).

The students surveyed are fully satisfied with the schedule of classes (90%).

## **2.7 Management of the educational program**

Management of the educational process, reflected in the self-assessment report (**Standard 2**) and general approaches to management were confirmed during a visit to the Educational and Methodological Department and a conversation with the head Garifulina Lilya Maratovna and employees. The powers for planning and implementation of the educational program are assigned to the Vice-Rector for Academic Affairs N.A. Yarmukhamedova. Responsibility for the distribution of allocated resources for planning and implementation of teaching and learning methods, student evaluation, and evaluation of the educational program is assigned to the dean of the Faculty of Dentistry, A.A. Akhmedov.

The participation of teachers and students in the discussion of issues related to the educational program through questionnaires is ensured. This is confirmed in the summary report.

The experts got acquainted with the work of departments, including the educational and methodological department, the centre for digital educational technologies, the centre for the development of communicative competencies, the information resources centre, the career centre, the department for youth affairs, spirituality and morality, the department for working with gifted students, the department international relations, the dean's office of the Faculty of Dentistry, a total of 9 meetings were held and during cross-interviews it was established that the activities of the departments are aimed at obtaining professional competence and achieving final outcomes.

Planning and implementation of innovation in the educational program is carried out by the educational and methodological department and the centre of digital educational technologies. Thus, for the period 2017-2022 practice-oriented and student-centred learning, “Learning through research” have been introduced. The process of development, review, approval of implementations is coordinated and regulated by internal regulatory documents: decision of the Academic Council, Orders of the Rector based on the decision of the Academic Council.

***Thus, the university has an established procedure for the development and approval of an educational program, which is implemented in accordance with the “Comprehensive Development Program of Samarkand State Medical University for 2022 – 2025”, approved by the resolution of the President of the Republic of Uzbekistan (ESG G1.2).***

## **2.8 Relationship to medical practice and health care system**

The connection between the educational program and subsequent stages of professional training (residency, master's degree in medicine, specialization, CPD/CME) is ensured by the integrity of the educational program, continuity of basic and specialized disciplines, integration of both horizontal and vertical, and the use of innovative teaching methods with a clinical focus. Feedback from representatives of practical healthcare is carried out through meetings, round tables, and surveys. Thus, in 2023, 45 employers were surveyed, who showed that the EP reflects the key elements of theoretical and clinical training, as evidenced by the employment rates of graduates, for example, in 2022, the employment rate of graduates was 98%.

The preparation of students in the specialty “Dentistry” is aimed at meeting the needs of practical healthcare, since when analysing the shortage of specialists for 2023, job fairs and employer visits were held in order to attract young specialists to the regions, taking into account local, national and global conditions.

Therefore, this organization is specialized in the field of dentistry, and provides opportunities and creates conditions for qualified training of specialists. During a conversation with the management of the university, experts received information based on the results of a survey during the academic

year, online voting, interviewing students at the end of each academic period, expressing their wishes on the blog of the rector of SSMU, and the use of various social networks; Academic staff - by analysing student performance, questioning, and using a special website on social networks to make proposals for improving the activities of the university.

The teachers confirmed that students are trained directly at clinical sites in therapeutic dentistry, paediatric dentistry, surgical and orthopaedic dentistry. Students of this specialty can supervise patients with diseases such as dental caries, pulpitis, periodontitis, gingivitis, periodontitis, diseases of the oral mucosa, periostitis, phlegmon, abscesses, and dentition defects, bite correction, etc.

Modification of the educational program is carried out annually and takes into account the current conditions in which graduates will work. For example, CAD/CAM computer programs that creates 3D models of a tooth or dental system.

**Conclusions of the EEC on the criteria.** Out of 25 standards comply: completely -21, partially - 4, do not correspond - 0.

**Recommendations for improvement:**

- 1) Standard 2.1.4 – To develop a catalog of elective disciplines;
- 2) Standard 2.1.7 – To involve a larger number of students in the development of the educational program;
- 3) Standard 2.2.1 – To introduce the discipline “Evidence-Based Medicine”
- 4) Standard 2.7.2 – To develop an internal document “Regulations on active and interactive teaching methods” and implement it in the educational process with the receipt of an implementation certificate.

### **Standard 3: ASSESSMENT OF STUDENTS**

#### **3.1 Assessment methods**

The University has a student assessment system, which is reflected in the internal regulatory document “Regulations on the Knowledge Assessment System,” which is posted on the University website [https://www.sammu.uz/uz/pages/assessment\\_regulations](https://www.sammu.uz/uz/pages/assessment_regulations). The policy for evaluating work results is reflected in the syllabus for the discipline.

Formative assessment includes assessing the knowledge and skills of students, ensure the relationship between students and the teacher, and allows for improvement of the educational process. Formative assessment is carried out in various forms and allows the teacher and student to adjust their work and eliminate possible gaps before conducting a summative assessment. Summative assessment is carried out through midterm, current and end-of-course assessment, during the period of intermediate and final state certification. Departments develop forms of control that are prescribed in the syllabus. Experts familiarized themselves with 60 tests and 25 tasks in the disciplines “Therapeutic Dentistry” and “Paediatric Dentistry”. Visited the test centre, where the process of testing and appeals is automated, students are trained with the functions of generating reports and statements, filing and conducting an appeal (Module “Testing”).

The summative assessment consists of a summative assessment procedure for a section of a discipline (midterm control) or discipline (intermediate certification).

Students assessed the fairness and objectivity of assessments according to the “Regulations on the Knowledge Assessment System” and the use of control and measurement tools. The system for assessing educational achievements of students (SAEA) provides for a set of the most important principles for monitoring the learning (progress) of students: objectivity, systematicity, visibility (publicity).

Balance between written and oral exams 1:3.

Number of allowed retakes is 1.

The University ensures that assessment covers knowledge, skills and attitudes and this is reflected in the University's Academic Policy.

Teachers are trained in student assessment methods, which allow them to give an objective assessment. If students do not agree with their assessment, they can contact the teacher, the head

teacher of the department or the head of the department for clarification.

External examiners are involved in the OSCE and this is documented in the minutes of the Faculty Council. Avoidance of conflicts of interest when conducting assessments is carried out through an electronic format (HEMIS platform).

The openness and accessibility of assessment methods and results is ensured by involving independent examiners from among experienced dentists in practical healthcare, by announcing the results immediately after passing the exam and posting them on the HEMIS platform

### **3.2 Relationship between assessment and learning**

The principles and methods of assessment are used, including the educational achievements of students and the assessment of knowledge, skills, and professional values. Experts determined that students achieve the final learning outcomes and this was confirmed in the syllabuses.

The balance between formative and summative assessment is 2:1.

The student's academic progress is assessed by the system for assessing educational achievements of students (SAEA), which provides a set of the most important principles for monitoring the learning (progress) of students: objectivity, systematicity, visibility (publicity).

Assessment of students' skills using simulation equipment showed that students have access to simulators close to real time and have good practical skills, which is one of the strengths.

Having attended practical classes, experts made sure that students were evaluated as follows: formative assessment of knowledge, practical and communication skills.

The number and nature of examinations promote integrated learning, which is reflected in the syllabus.

The Department for Quality Control of Education provides feedback to students 4 times a year and, based on the results, conclusions are drawn about the effectiveness and ethics of the assessment. Departments conduct student surveys after each completion of cycle classes.

The results of student assessment are documented in the following ways: educational journals, electronic format (HEMIS platform), and the ADA system.

While conducting interviews with 20 teachers regarding assessment methods, experts received convincing evidence that the assessment system is improving. However, in the simulation centre, experts were faced with different methods for assessing practical skills. Students also shared their opinions about the timeliness of providing tests, counselling before exams, the clarity of the entire assessment procedure and its fairness. For example, students were told that consultations were being held and test questions were provided for preparation.

During a visit to the organization, management was asked the question: "Are external examiners involved in order to improve the fairness, quality and transparency of the assessment process?" And the answer was received: yes.

The experts examined the resources for organizing the assessment of knowledge and practical skills, namely, at the departments.

*The surveyed employers also indicated that the training of graduates corresponds to the modern development of medical practice and science, such as student research work, volunteering, duty, and assisting during appointments with practicing doctors. Employers said that they themselves participate in the assessment of students, since they are included in the OSCE examiners and in the state commission. Employers believe that skills such as working with digital technologies are the skills they want graduates to develop the most.*

**Conclusions of the EEC on the criteria** comply with 4 standards: fully -2, partially - 2, do not comply - 0.

#### **Recommendations for improvement:**

1) Standard 3.1.1 – To conduct CDP program for Academic staff in the use of various evaluation methods;

2) Standard 3.1.2 – To unify the system for evaluating students' practical skills in the simulation centre.



## **Standard 4: STUDENTS**

### **4.1 Admission and selection policy**

The organization has a policy for the admission of students, which is called the “Regulations on Admission”. Vice-Rector for Academic Affairs Nargiza Anvarovna Yarmukhammedova spoke about the student admission policy. Approaches to the admission of students are based on the requirements of the country and internal regulations, namely, the Law “On Education of the Republic of Uzbekistan dated September 23, 2020,” “Regulations on the procedure for admitting students to undergraduate studies in higher educational institutions” (Annex 1 to Resolution of the Cabinet of Ministers No. 393 of June 20, 2017). During the periods from 2018-2023, 573 graduates successfully completed their studies in the educational program 60910100 Dentistry. At the same time, 143 graduates received “excellent” in the final exam, 386 received “good”, 44 received “satisfactory”. The experts familiarized themselves with the documentation on student admission, including Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 169 dated 08/04/2008 “On improving the procedure for admission and training of foreign citizens in educational institutions of the Republic of Uzbekistan” (<https://lex.uz/docs/1380638>).

The practice of admitting students with disabilities is carried out in accordance with the regulations “On the procedure for admitting persons with disabilities to higher education institutions” on the basis of an additional state grant quotas approved by Cabinet of Ministers Resolution No. 417 of June 2, 2018. There are 105 students with disabilities in the 2023-2024 year.

The practice of transferring students from other educational programs and medical educational institutions is documented and carried out in accordance with “On approval of the regulations on the procedure for admission to study, transfer, reinstatement and expulsion of students in higher educational institutions”, approved by Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 393 dated June 20, 2017 and Resolution of the President of the Republic of Uzbekistan No DP-279 of June 15, 2022 “On the organization of admission to study at state higher educational institutions” (<https://lex.uz/docs/6070837>). For the period 2018-2023 29 people were transferred from the university to other institutions, including due to marriage. 32 people were transferred to the university from other educational institutions. 18 people were expelled due to academic debt.

A connection has been established between the selection of students and the mission of the educational program, the competencies of graduates, which is aimed at serving society through the training of competitive specialists in the field of public health, improving health care based on the integration of advanced educational, scientific and medical technologies.

The admission policy is reviewed by the admissions committee on the basis of the state order and taking into account the material and technical base. Gender and ethnic origin are not an obstacle to entering the university, since testing is carried out by the State Testing Centre under the Cabinet of Ministers of the Republic of Uzbekistan. Training is conducted in three languages - Uzbek, Russian and Karakalpak in higher education. At this university, education in the OP "Dentistry" is conducted in Uzbek and Russian.

The university website has the necessary information for applicants, including appeal issues. An appeal (protest) commission is created to conduct an appeal. For the period 2018-2023 there were no cases of filing with the appeal commission.

#### **4.2 Student recruitment**

The annual admission of students is determined taking into account the number of teachers, material and technical resource capabilities for all courses of study. The duration of training is 5 years. The ratio of the number of teachers and students is 1001:72 (14:1). Decision-making on student enrolment is regulated by national requirements: in June 2022, the President of the Republic of Uzbekistan Shavkat Miromonovich Mirziyoyev signed the Resolution "On the organization of admission to state higher educational institutions."

The university provides personnel to the Samarkand region. During a meeting with Vice-Rector for Academic Affairs Nargiza Anvarovna Yarmukhammedova, who explained that the parameters of the state order for admission to study at state higher educational institutions are approved exclusively for the state grant:

- parameters for admission to study at state higher educational institutions (with the exception of higher educational institutions that are granted financial independence) on a fee-contract basis are approved by the relevant ministries (departments) under jurisdiction in agreement with the Ministry of Economic Development and Poverty Reduction, the Ministry of Higher and Secondary Specialized education and are published annually on the official website of the Ministry of Higher and Secondary Special Education until June 20. Review of the number and contingent of admitted students is the responsibility of the State Commission. During a conversation with Yarmukhammedova N.A. experts determined that admission quotas are posted on the website of the State Testing Centre.

#### **4.3 Student counselling and support**

The system of academic counselling for students includes a system of tutoring and mentoring, which is reflected in the Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 563 dated September 9, 2021 "On measures to increase the level of placement of students in higher educational institutions of the republic", as well as the Resolution of the Cabinet of Ministers of the Republic of Uzbekistan dated 17.09.2018 No. 736 "On measures to increase the effectiveness of spiritual and educational work in the education system" and on the basis of the order of Samarkand State Medical University No. 769/AF dated November 12, 2021, "Tutor" responsible for 1-4 year students was appointed, students studying at the university.

The selection of electives is carried out through a questionnaire for students, and a curriculum is drawn up. Professional career planning is supervised by the Career Centre. The employment rate of graduates of the educational program "Dentistry" (Russian language of instruction) in 2021 was 93%, compared to 2020 - 92%.

The appointment of tutors is regulated in accordance with the Resolution of the President of the Republic of Uzbekistan dated October 13, 2020 No DP-4860 "On measures to further improve the system of education and upbringing of children with special educational needs." The tasks are described on the university website <https://www.sammu.uz/ru>. In total, the university employs 42 tutors.

There are academic mentors who supervise 5 students. There are 36 mentors in total, including

22 healthcare workers.

The student support program is posted on the university website and its implementation is supervised by the department for youth affairs, spirituality and education. Resources to support students are allocated from SSMU funds.

Student counselling includes academic support, support regarding personal problems, health problems, and financial issues. This area is supervised by the Department of Youth Affairs, Spirituality and Education. During a meeting with the Vice-Rector for Youth Affairs Tangirov Yeldor Saifullaevich and the Head of the Department for Youth Affairs, Spirituality and Education Muratov Odil Ismatullaevich, during which the experts received information about the activities of the university psychologist. Consulting is based on monitoring the student's progress in the [www.hemmis.sammu.uz](http://www.hemmis.sammu.uz) system.

Students are provided with documents confirming the qualifications obtained and the status of the education received (**ESG G 1.4**): bachelor's degree, master's degree. Documents are filled out and issued at the Centre for Digital Educational Technologies (CDET). Experts got acquainted with the work of the centre and the internal document flow control system.

#### **4.4 Student representation**

A policy for student representation in such advisory structures as the Dean's Council, the Faculty/School Council, and the University Council has been defined and implemented. The experts reviewed the documents on joint work with students. Students take an active part in the development, management and evaluation of the educational program through anonymous voting and conversations with the rector. Student self-government is represented by "Youth Union", which includes the University Student Government, the Youth Affairs Committee, the Debate Club, the University Student Volunteer Team, the Student Construction Team, the Intellectual Club, and the Cheerful and Resourceful Club. At a meeting with the vice-rector for youth affairs, Ye.S. Tangirov experts received evidence about the work of the organization "Youth Union", volunteer activities during COVID-19.

In total, the university has 7 student organizations, including 1 scientific, 2 cultural and educational, 2 public, 1 volunteer, 1 sport. Among the participants in student organizations, 23% are students of the educational program "Dentistry". Student activities are supervised by the Department of Youth Affairs, Spirituality and Education. Students take part in local healthcare projects, such as "Environmental Initiatives", "Support for Local Hospitals", "Help to Local Schools", and with the active participation of volunteers - representatives of student youth, a Call Centre has been organized to receive citizens' requests.

Assistance and support for student activities and student organizations is provided through SSMU funds and includes the provision of technical and financial support.

Some of the **strengths are**: a well-developed tutoring system with a motivational component; material stimulation of student participation in scientific, educational, educational activities; creation at the university of a favourable environment for learning, accommodation, recreation and food, as well as the development of individual scientific, creative, sports and other abilities of students; access to specialized practice from the 3rd year

**Conclusions of the EEC on the criteria.** Complies out of 14 standards: fully - 14, partially complies - 0, does not comply - 0

### **Standard 5: ACADEMIC STAFF/FACULTY**

#### **5.1 Selection and admission policy**

There is a total of 125 dental staff (faculty), of which 101 are full-time teachers, 24 part-time teachers, a total of 72 women, 53 men. There are none with disabilities. Training in the state language is provided by 1,250 people, in Russian by 800, and in English by 450 people.

The selection and admission of employees to the university is carried out in compliance with the constitutional rights of citizens and the requirements of the Labour Code and the qualification

characteristics of positions on the basis of Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 20 dated February 10, 2006 “On approval of the regulations on the procedure for hiring teaching staff to work in higher educational institutions at on a competitive basis” (<https://lex.uz/docs/973534>) and the Rules for competitive filling of positions of Academic staff and scientific workers of SSMU, according to internal needs, qualification requirements of Academic staff ([https://www.sammu.uz/ru/pages/human\\_resource\\_department](https://www.sammu.uz/ru/pages/human_resource_department)).

The responsibilities of academic staff (teachers) are monitored through interviews.

During a conversation with Yarmukhamedova N.A. (Vice-Rector for Academic Affairs) experts determined that the personnel policy takes into account the teacher’s attitude to the mission of the university and the goals of the educational program. During the interviews, faculty described what determines their category, responsibility, and the balance of academic staff (teachers) in basic biomedical and clinical disciplines for the adequate implementation of the educational program, including the proper balance between medical and non-medical teachers, full-time and part-time teachers, and balance between academic and non-academic staff;

When forming a staff of teachers, the economic capabilities of the university and the amount of funding for employees were taken into account (the average salary in 2023 is 8 million-10 million). Expenses for motivational programs in 2023 amounted to 2.5 billion soums

The experts received the opinion of teachers on personnel policy, which includes (conversation with the head of the personnel department Kamalov A.I.) creating conditions for the formation of a cohesive and highly competitive teaching staff of the university; a new personnel policy was developed, which made it possible to effectively develop human resources, introduce a fair development policy for each employee. In accordance with the Law of the Republic of Uzbekistan No. LRUz-637 dated September 23, 2020 “On Education” (<https://lex.uz/docs/5013009>) and the Order of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan No. 240 dated April 21, 2017 “On approval qualification requirements for the teaching staff of higher educational institutions subordinate to the ministry”, persons with at least a master’s degree, as well as special pedagogical or professional training in the relevant profile, are allowed to engage in teaching activities at the University.

The personnel policy of the Faculty of Dentistry is fully coordinated and complies with the University Personnel Policy ([https://www.sammu.uz/ru/pages/human\\_resource\\_department](https://www.sammu.uz/ru/pages/human_resource_department)). At the same time, qualification requirements for employees ([https://www.sammu.uz/ru/pages/human\\_resource\\_department](https://www.sammu.uz/ru/pages/human_resource_department)) are determined in accordance with the goals and objectives of each structural unit on the basis of the current Regulations on theoretical and clinical departments in the specialty “Dentistry” and job descriptions, according to which the functional responsibilities of full-time teachers are determined by the ratio of educational, methodological, educational, scientific, public, and in clinical departments – additionally by performing clinical work (Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 490 of September 29, 1994 <https://lex.uz/docs/688396>).

Conversation with the Dean of the Faculty of Dentistry Akhmedov A.A. included the following questions: how are clinical sites used their equipment and information security? This allowed experts to learn about approaches to attracting staff from clinical sites for teaching (there are 46 such teachers in total), about the strategy and tactics of student recruitment, and the information security of the educational program

*When surveying teachers, it was found that 100% were completely satisfied with the organization of work and workplace in this educational organization. In this educational organization, teachers have the opportunity to engage in scientific work and publish the results of research work - 100% completely agree. Satisfied with the work of the HR (personnel) service - 100% completely agree. Satisfied with the salary - 80% completely agree, 20% partially agree.* As part of the employee motivation program, the University has introduced a rating system for evaluating the activities of teaching staff, which is updated annually and evaluates all areas of activity of teachers every six months, based on the results of which differentiated wages are established for teaching staff who have

fulfilled the plan by 100% and above, the amount of which is established in accordance with the wage savings fund.

In order to motivate Academic staff for research work, a monetary bonus is allocated for publication in journals with a high impact factor in accordance with the Regulations on material incentives, with further consideration at a meeting of the expert commission of the scientific council and approval by the Academic Council of the University. Payment of travel expenses for participation in presenting a report at international congresses held abroad is considered at the Economic Council.

## **5.2 Development policy and employee activities**

The university has developed and implemented a development program for teachers and staff for the period from 2022-2027 and includes such sections as teaching, research and clinical work.

For 2018-2023 125 people (100%) received professional training, 125 people received training in teaching and evaluation methods. An individual plan for teachers includes determining the *time for each type of activity, taking into account the needs for the implementation of a given educational program and the professional qualifications of teachers; teaching, research and clinical activities and allows for a balance between teaching, research and service functions*, which indicates a balance between teaching, research and service functions

Teachers said that they have enough time for each activity. The academic performance of teachers is evaluated through training and internships, and the results are presented in the form of scientific articles and methodological developments. For 2018-2023 100 teachers were awarded various awards, including 90 teaching in the EP “Dentistry”.

There is a list of personnel reserves, including 42 people. Promotions for 2022-2023 52 people received it.

125 teachers of the educational program “Dentistry” are engaged in science and participate in 12 scientific projects. The results of the research work are included in the educational program in the form of teaching aids and methodological developments. Teachers have received 18 patents and 23 copyright certificates. Total for 2018-2023 teachers of the educational program “Dentistry” published 1518 articles, including 606 with IF>1. Teachers spoke at 18 international and 24 republican conferences. In 2018-2023 125 teachers have completed internships.

The University carries out various activities aimed at improving the professional qualifications of employees, training and retraining of scientific and pedagogical personnel from among young scientists and employees abroad, including under the “El-Yurt Umidi” program. The choice of internship for teaching staff is carried out through information bulletins developed by the Faculty of Postgraduate Education and the Department of International Cooperation.

Clinical activities of teachers and part-time teachers are used in teaching clinical subjects.

At a meeting with the head of the HR department and during interviews with teachers, experts received an opinion on approaches to developing the pedagogical competence of teachers, motivation to work with students, and mentoring, which includes a mentor-student program. Evaluation of teachers' activities is carried out based on the results of educational, methodological, scientific, clinical, educational work and social activities. Based on the results of the competition for differentiated pay for teaching staff, incentive salary bonuses are established. Also, based on the results of the academic year, for merits and achievements in the development of the university, in accordance with the Regulations on Awards of SSMU, employees are awarded the honorary titles “Honoured Worker of SSMU”, “Honorary Professor of SSMU”.

Newly hired teachers or those with no more than 2-3 years of experience undergo training at the Main Methodological Centre for Teachers. Teachers of the faculty implementing the EP “Dentistry” are the developers of the main documents related to the educational process: EP, syllabus, lecture materials, didactic material, control and measuring equipment, etc. Newly hired teachers at SSMU, under the guidance of a mentor, master the skills of working with educational and methodological materials documentation and methods of teaching the discipline. All teachers with less than 3 years of teaching experience were trained at the School of Young Teachers.

The experts reviewed the employee certificates.

The university maintains a “teacher-student” ratio, as a student/teacher ratio of 9.6:1 (Order of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan, registration number 3345 dated January 24, 2022, “On approval of standards for the ratio of the number of students per teacher by field of education (directions of education) in higher educational institutions”)

Promotion of university employees is realized through their achievements.

Experts received answers about the teacher training program, which is conducted annually for 32 teachers. These events are funded by the university. The expert verified the certificates of teachers in specialized dental areas: “Current issues in therapeutic dentistry”, “Current issues in surgical dentistry, including children’s”, “Dental implantation”, etc., in the amount of 144 hours or more. Issues of increasing human resources are resolved through the implementation of a visiting professors program at the university, increasing the number of visiting professors working in departments during the academic year; English language training courses for teaching staff; academic mobility programs; through material incentives for university employees through various forms of incentives. Advanced training of teaching staff at medical universities and practical healthcare workers is carried out in accordance with Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 319 dated December 18, 2009 “On improving the system of advanced training and retraining of medical workers”, according to standard and work programs in the amount of 36, 72, 144, 216, 288, 432, 504, 720, 792 and 864 hours.

*There is an opportunity for career growth and development of teacher competencies in the organization - 90% of surveyed teachers responded, and 10% partially agreed with this. They studied in professional development programs - 35% less than 1 year ago, 32% during this year and 33% in the last 2-3 years.*

*The organization implements social support programs for teachers. 100% responded that “yes, such programs exist.”*

**The strengths are:** 1. Highly qualified Academic staff; 2. Differentiated wages for Academic staff; 3. Performance management system for SSMU employees, aimed at supporting employees in realizing their maximum professional, personal potential, and career growth; 4. Huge scientific potential; 5. Equipment for educational and scientific areas.

**Conclusions of the EEC on the criteria.** Comply out of 5 standards: fully - 5, partially - 0, do not comply - 0.

## **Standard 6: EDUCATIONAL RESOURCES**

### **6.1 Material and technical base**

The university has a modern material and technical base for students and teachers, which allows for adequate implementation of the educational program “Dentistry”.

The university has created a safe environment for students, teachers, staff, and patients, including provision of necessary information and protection from harmful substances, microorganisms, compliance with safety regulations in the laboratory and when using equipment.

The student learning environment is regularly improved through regular updating, expansion and strengthening of the material and technical base, which is consistent with practice-centered learning.

### **6.2 Resources for clinical training and practice**

A review of resources for clinical training and practice showed that they correspond to the goals and objectives of educational activities: 5 clinical bases of practice/clinical engagement were visited, including the dental clinic of Samarkand State Medical University, Samarkand regional dental clinic, Samarkand regional children's dental clinic, regional multidisciplinary children's clinical hospital, training and simulation center, where students of 3, 4, 5 years of the educational program "Dentistry" conduct specialized training with the participation of 12/8 full-time teachers/part-time teachers, and employees of the educational organization ensure collegial and ethical relations with the medical staff and the management of the clinical base to achieve student end results. A sufficient number of thematic patients and modern equipment are provided, the availability of students is demonstrated, and

teachers provide quality training in compliance with ethics and deontology. Before starting the corresponding discipline of the educational program, the student receives a syllabus from the teacher and knows what skills he must acquire and develop during his studies: treat dental caries, apply a permanent filling, remove a tooth, make an impression, etc.

During a visit to clinical sites, where experts got acquainted with the resources, their compliance with the training program, and accessibility for students and teachers, how modern this equipment is and meets the needs of students and practical healthcare. The experts received evidence of compliance with standard 6, as well as validation of the self-assessment report information.

In order to validate the implementation of the self-assessment report data and obtain evidence about the quality of the educational program, an interview was conducted with students of the Faculty of Dentistry. The experts asked questions about satisfaction with training, sufficient time for supervising patients, working with medical documentation (medical histories), satisfaction with teaching methods and qualifications of teachers, social and moral support for students in need, participation in “Journal clubs”, availability of international resources professional literature databases. In general, students are satisfied with the training, assessment methods, and purposefully entered this university, because they believe that SSMU has good resources, image and international connections, at the same time, students would like more independence in managing patients and conducting international events.

In addition, teachers with an IELTS certificate receive an additional bonus of 5%, and can also receive additional payments for scientific work through the Scopus platform in the amount of 15% to 60%. The university actively supports the development of programs and the publication of scientific articles, holding events twice a year to exchange educational and methodological experience within the educational institution. There is also a mobility program, under which students can go to universities both within the country and in countries near and far abroad, for a period of one semester at the expense of university funding, and take a course of free classes in a foreign language.

Students showed their commitment to the university, were active in answering questions from external experts, demonstrated their judgment on the organization of training, assessment of their skills, advisory support, the opportunity to participate in research work, financing, and demonstrated mastery of manual skills. *Interviews with 55 teachers showed that there are both successes and problems in the management of education, depending on the specific base (student access to equipment, a sufficient number of case patients, time to maintain medical records, independent work).*

*Students have free access to patients at clinical sites and all conditions for improving their practical skills. 100% of teachers completely agree with this, 0% - partially agree, 0% - found it difficult to answer.*

### **6.3 Information technologies and library resources.**

A medical educational organization must define and implement a policy that is aimed at the effective use and evaluation of relevant information and communication technologies in the educational process. The University has 3 (three) Internet centers (Examination Center, Library Internet Hall), equipped with modern server stations that ensure the security of network information, e-mail for registered users and access to educational resources on the Internet. For the effective implementation and use of ICT in the educational process, the structural divisions of the Department of Information Technologies, the Department of Distance Education, the Department of Automation and Electronic Resources of the SSMU Information Resource Center were modernized. Information and training modules on electronic media materials were also prepared for the preparation of practical courses. In addition, a program is being implemented to digitize education and services based on the latest information technologies, aimed at automating educational, research, clinical and administrative processes, increasing openness and transparency, and providing effective electronic services.

### **6.4 Medical research and scientific advances**

Research activities in the field of healthcare are actively carried out at SSMU. In total, in 2024 alone, 13 scientific projects were registered at the university, in which 45 teachers participate. Experts have established the integration of education, practice and science, which is confirmed by scientific

projects and innovative assessment methods. During visits to departments, experts were familiarized with documents presented by departments on scientific projects.

The research base includes the Samarkand branch of the Republican Scientific and Practical Center for Emergency Medical Care, the Regional Specialized Multidisciplinary Medical Center, the Regional Children's Specialized Multidisciplinary Medical Center, the Samarkand branch of the Republican Scientific and Practical Center for Endocrinology, the Samarkand branch of the Republican Scientific and Practical Center for Phthisiology and Pulmonology, Samarkand branch of the Republican Scientific and Practical Center of Traumatology and Orthopedics, Samarkand branch of the Republican Scientific and Practical Center of Dermatovenereology and Cosmetology, Samarkand branch of the Republican Scientific and Practical Center of Oncology.

The university has 2 of its own clinics with a capacity of 700 beds.

Information about the research base and priority areas in the field of scientific research is available on the website <https://mt.sammu.uz/>.

Having attended practical classes, experts determined the relationship between scientific research and education, as teacher Omarov F. used materials from evidence-based medicine in the lesson and gave examples from scientific articles.

The scientific activities of the university encourage students to engage in science, since the sources of funding for research work are: funds from the state budget of the Ministry of Higher Education, Science and Innovation and the Ministry of Health of the Republic of Uzbekistan, intra-university grants from SSMU, funds from international organizations (Smile Train, World Health Organization, Erasmus+ , Horizon 2020), as well as through the development of partnerships with the private sector (Uzbekneftegaz, Meros Farm LLC).

Experts examined 42 completed scientific projects and found that SSMU has significant innovative potential.

## **6.5 Educational expertise.**

Expertise and research in the field of education are carried out in the form of scientific projects at departments and clinical sites. Thus, in 2024, 2 projects in the field of education were completed. The results of the project made it possible to improve such sections of the educational program as teaching methods and evaluating students' knowledge and skills.

During a conversation with the Secretary of the Academic Council Ulugbek Usmonovich Ochilov, the experts found out that the university plays a large role in educational and scientific activities.

The organizational structure of the university has a subdivision called the "Educational Programs Committee", which controls and plans the quality development of education. There is a base of experts on educational issues, consisting of the teaching staff of SSMU, which carries out consistent and targeted activities to improve medical and pharmaceutical education based on the provisions of the State Program for the Development of Education of the Republic of Uzbekistan until 2030.

The university staff has positions of psychologist and sociologist who are involved in project activities.

Research in the field of education is carried out in collaboration with national and international organizations, while the priority remains innovative transformations in the educational process within the framework of implementing the principles of the Bologna Process, expanding international cooperation, intensifying and increasing the productivity of university science and practice.

The development of staff potential is based on monitoring educational situations at leading universities in the world, and in 2018-2023, 86 teachers were trained on teaching innovation issues.

The Department for International Cooperation encourages teachers to conduct research in education. In 2023, the university concluded 27 international cooperation agreements with foreign educational, scientific and clinical organizations (South Korea, Turkey, the Republic of Belarus, the Russian Federation, Germany, Poland, Italy, and India).

## **6.6 Educational exchange**

SSMU has more than 150 partner universities from 23 countries of the near and far abroad;



each partner university is assigned to certain managers to carry out interactions within the framework of agreements. International cooperation within the framework of the educational program “Dentistry” includes advanced training, scientific internships, and exchange of experience. Thanks to this cooperation, teachers, students and PhD doctoral students traveled to Turkey and South Korea for scientific internships, exchange of experience, advanced training, participation in a conference, transfer of technology for the provision of medical services, studying the experience of insurance medicine and studying transplantology and pharmaceutical economics in the treatment of various diseases in conditions of the insurance model and new treatment methods. As part of cooperation with the Medical PARK Clinic (Turkey), a “Transplantology Center” was opened and is functioning on the basis of the multidisciplinary clinic of SSMU.

While completing an academic mobility program, educational credits are offset (re-offset). A transparent system of credit units and flexible course requirements is used, including ensuring academic mobility of students and recognition of educational programs (all levels and forms of higher and postgraduate education). In addition, in the European educational space, Kazakhstani credits have been converted into ECTS credits. The conversion of credits to ECTS credits and vice versa is carried out on the basis of conversion factors. The value of the conversion factor is determined as the ratio of the labor intensity of the Uzbek credit to the labor intensity of the ECTS credit. So, for example, for a bachelor’s degree the labor intensity of one credit is 30 academic hours, and the ECTS credit is 25 academic hours, which means the conversion factor is 1.2 (i.e.  $30/25 = 1.2$ ). The values of conversion factors for educational levels include: (1) for bachelor’s degrees – ranging from 1.2; (2) for specialized master’s programs – in the range from 2 to 2.4.

The exchange of university staff and students is carried out with the support of the Ministry of Health and Higher Education, Science and Innovation of the Republic of Uzbekistan. Since 2013, the “Academic Mobility of Students” program has been implemented, the goal of which is the internationalization of education and integration into the global educational space, accompanied by the use of modern pedagogical technologies in teaching SSMU students at leading universities in the world or by invited foreign scientists (<https://www.sammu.uz/ru/news/2563591>). The academic mobility program and the visiting program are financed from the budget of SSMU.

The exchange is organized in accordance with the goals of the educational program. The main goal of the University’s international cooperation work is its integration into the global educational space. Employee statements and student achievements such as activity in public affairs, participation in competitions, academic performance, a foreign language certificate (for studying in English), and participation in conferences are also taken into account. This is documented in the Criteria for Selecting Exchange Students. The list of memorandums is published on the website <https://www.sammu.uz/ru>. Cooperation reports are presented by the International Cooperation Department.

**Conclusions of the EEC on the criteria.** Compliant out of 19 standards: fully - 17, partially - 2, do not comply - 0

**Recommendations for improvement:**

1) Standard 6.5.1 – Creation of a local bioethical commission for the examination of scientific research.

2) Standard 6.5.2 – To develop and implement a policy on the use of expertise in the development of teaching methods and evaluation of knowledge and skills: validity and reliability.

## **Standard 7: EVALUATION OF THE EDUCATIONAL PROGRAMME**

### **7.1 Program monitoring and evaluation mechanisms**

The evaluation of the educational program carried out at the university is carried out in accordance with the “Regulations on the control and assessment of students’ knowledge”, reviewed and approved by the Academic Council of the university dated June 29, 2022, protocol No. 11, approved by Rector’s Order No. 1028 dated August 31, 2022.

The monitoring and evaluation system of the EP “Dentistry” covers all aspects of the organization, implementation and evaluation of the EP: development, approval of the EP, organization and conduct of the educational process, achievement of final learning outcomes, analysis of the results of external and internal audit of educational programs and the educational process at the university, data analysis feedback from all participants in the educational process and interested parties.

During the period 2018-2023 the following corrective measures aimed at improvement were carried out in the educational program: *collecting data on key aspects of the educational program, monitoring processes and results. This ensures that the educational program is implemented appropriately and ensures that any areas requiring improvement are identified.*

The structure, content, and duration of the program are assessed through monitoring and surveys.

When problems are identified, including poor performance indicators of students or graduates, the educational department carries out: development, approval of educational programs, organization and conduct of the educational process, achievement of final learning outcomes by students, analysis of the results of external and internal audit of educational programs and the educational process at the university, analysis of feedback data from all participants in the educational process and stakeholders.

Feedback is also a tool for evaluating the quality of the educational process. Thus, the results of a survey of 50 students in 2023 showed that monitoring of the implementation of the educational program is carried out by responsible departments (dean’s office, educational and methodological department, department for monitoring the quality of education) based on the results of midterm control, end-of-course assessment, final state certification, questionnaires with all interested parties – students, Academic staff, employers, allowing to evaluate the achievement of the final learning outcomes of the educational program. Monitoring of the implementation of the educational program is also carried out within the framework of intra-university control and during internal and external audits of the activities of Academic staff and students.

A survey of 35 teachers in 2024 also demonstrated that the integration of disciplines is currently carried out vertically and horizontally, taking into account the trajectory of specialist training. Industry educational and methodological commissions and the Central educational and methodological commission carry out a systematic evaluation of educational and methodological support and support of the educational process, scientific and methodological support for the implementation of educational programs; control over the implementation of innovative educational technologies and promising forms of organizing the educational process; monitoring the formation of specific competencies among students in each discipline within the framework of educational programs, evaluating the quality of educational programs in areas of specialization and developing recommendations for improving quality (reports are heard at meetings of the University Academic Council).

Experts studied the corrective action plan to improve the educational program for 2021-2023 and established the following ongoing activities:

–to identify and address *problems that include insufficient achievement of expected final learning outcomes through collecting information about them, using feedback to implement activities and corrective action plans to improve the educational program.*

During a meeting with teachers, it was determined that the system of monitoring and evaluation of the educational program in the specialty "Dentistry" covers all aspects of the organization, implementation and evaluation of the educational program: development, approval of the educational program, organization and conduct of the educational process, achievement of final learning outcomes, analysis of the results of external and internal audit of the educational program and educational process at the university, analysis of feedback data from all participants in the educational process and stakeholders.

The evaluation of the learning environment is carried out through monitoring and in 2023 the university organized 12 events, improving the learning environment for students.

Evaluation of the sufficiency and suitability of resources is carried out by the department “Supervision over the quality of education” and includes the process of implementing the educational

program and the progress of students, identifies and promptly resolves emerging problems. For the period 2018-2023 the university expanded its clinical and scientific bases and simulation center, acquired it for an amount of 225 thousand dollars and 1 billion 800 million soums equipment to improve working conditions for teachers and student learning.

Evaluation of teaching and learning methods, clinical rotations and evaluation methods is carried out by evaluating the educational program, which involves evaluating the program at the stages of planning, implementation, analysis of results and implementation of changes, which allows monitoring the process of implementation of the educational program and the progress of students, timely resolution of emerging problems. To strengthen the monitoring and evaluation of the educational program, the department "Supervision over the quality of education" operates within the structure of SSMU.

For the period from 2018-2023, new teaching methods (interactive) have been introduced and student evaluation methods have been improved, including innovative ones.

Evaluation of the quality of the educational program is based on the results of national exams and independent evaluation of knowledge. Thus, graduates of 2021 are very satisfied with their training, but they noted year after year that the conditions and technical educational equipment are improving.

The university, through the academic department, monitors progress and attendance, according to the class schedule, recording data in the journal and the HEMIS platform. Monitoring of the educational process includes monthly department meetings where the implementation of the curriculum and the results of quality control of the educational process are discussed (discussion of practical classes, lectures, etc.). Internal departmental control on types of activities is carried out by department employees in accordance with the Department Plan, within the framework of mutual visits to training sessions, this is carried out by the management of the educational program (**ESG S1.7**), which is reflected in the documents of the sectoral educational and methodological commission, the Central educational and methodological commission, and the Faculty Council, Academic Council of the University".

Evaluation criteria, indicating all parameters and their weighting during evaluation, are described in detail in the syllabuses and working syllabuses of the discipline. The Academic staff is guided when compiling syllabuses by the internal document "Regulations on the control and evaluation of students' knowledge", reviewed and approved by the Academic Council of the university on June 29, 2022, protocol No. 11, approved by order of the rector No. 1028 dated August 31, 2022 ([https://www.sammu.uz/uz/pages/assessment\\_regulations](https://www.sammu.uz/uz/pages/assessment_regulations)).

During the intermediate certification and end-of-course assessment, video and audio recording is carried out: when passing practical skills in the simulation center, in the test center. Students' written work is checked in special classrooms with video surveillance.

For all types of exams, representatives of the rector's office are present and by order of the dean's office, a supervisory commission is formed for the period of the examination session, which includes representatives of the dean's office, the department for monitoring the quality of education, members of the parent committee and representatives of the student self-government organization.

The results of the end-of-course assessment of students are analyzed (the following are calculated: distribution by grades, absolute academic performance and quality indicator, the % of agreement and discrepancy between the current control and the final control is determined).

After each certification (examination session), the department makes an analysis of the discipline, which is considered at a meeting of the department and then the analysis is submitted for discussion at meetings of the faculty council and the Academic Council of the university.

Simulation teaching methods are actively used in the educational process: reproduction of manipulation using simple mannequins, simulation of a real clinical situation, simple and complex hybrid medical simulation using a standardized patient (information about the simulation center on the university website: [https://www.sammu.uz/ru/pages/simulation\\_center](https://www.sammu.uz/ru/pages/simulation_center) ).

The system for evaluating student knowledge is regularly reviewed and improved at SSMU.

The regulations on the knowledge evaluation system and the evaluation policy are brought to the attention of all students at the first lesson in each academic discipline; regulatory documents are posted on the SSMU website [https://www.sammu.uz/ru/pages/assessment\\_regulations](https://www.sammu.uz/ru/pages/assessment_regulations)

The rating evaluation of knowledge is based on a 4-point system with subsequent conversion into a rating system. Evaluation of educational achievements of students at each stage of control (current, midterm control, intermediate and end-of-course assessment) is carried out on a 4-point scale, with the final grade being converted into a 100-point rating.

With the current monitoring of progress, the student's educational achievements (the level of competence development) are evaluated on a 5-point scale. The final result of the current control is determined by calculating the arithmetic mean of all grades received during the academic period. The admission rating is determined by calculating the average score for current and midterm controls of the discipline

In the Republic of Uzbekistan, State certification of graduates is carried out in accordance with the Order of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan, registered by the Ministry of Justice of the Republic of Uzbekistan dated June 5, 2009, reg. number of the Ministry of Justice of the Republic of Uzbekistan 1963 "Regulations on state certification of graduates of higher educational institutions of the Republic of Uzbekistan", which was amended by the Order of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan, registered by the Ministry of Justice of the Republic of Uzbekistan dated December 12, 2018, reg. number 1963-2 "On amendments to the provisions of state certification of graduates of higher educational institutions of the Republic of Uzbekistan.

## **7.2 Feedback from teacher and student**

The university systematically collects and analyzes feedback from teachers, students and employers. For this purpose, 100 questionnaires have been developed, the purpose of which is the opinions of students. Surveys are conducted with the help of tutors (group mentors). Tutors are responsible for conducting and collecting feedback. According to the results of a survey of students in 2023 introduced into the educational program in the 3rd year - "Gerontostomatology and diseases of the mucous membrane", "Basics of taking images in dentistry", in the 4th year - "Aesthetic and functional restoration in dentistry", "Features of working with the facial tract", in the 5th year - "Micro prosthetics using SAD and SAM technologies"; "Gnathology and functional diagnostics of the activity of the lower jaw."

Based on the results of a survey of teachers, the content of compulsory disciplines and the elective component is discussed at meetings of departments, the sectoral educational and methodological commission and the Central educational and methodological commission.

A survey of employers in 2023 made it possible to introduce more practical skills in dentistry into the educational program.

Dynamics of survey results for the periods from 2018 to 2023 allowed us to determine the improvement of the educational program "Dentistry" and the teaching process.

An evaluation of teachers through the eyes of students, conducted in 2024 and covering 50 students of the Dentistry educational program showed that the subject of choice determines the trajectory of students' learning. The disciplines included in the elective subjects reflect the current trends in the development of the field under study, taking into account the promising scientific directions of the graduating departments/courses, the modern development of the region, the needs of employers, and adaptation to the labor market. This stimulated the administration to improve the direction of education "Dentistry" for the 2022-2023 academic year and elective subjects were introduced taking into account the request of the Ministry of Health and employers.

SSMU systematically monitors consumer satisfaction of the educational, therapeutic, and diagnostic and research services provided.

Monitoring is carried out by organizing:

- scheduled meetings of senior management with students and staff of the university, general meetings of faculties, groups

- analysis of surveys of students, teaching staff, employers, graduates
- analysis of wishes and feedback from healthcare organizations about graduates
- concluding an agreement for the provision of educational services between SSMU, students and employers
- analysis of the appeal of consumers of medical services
- analysis of scientific production based on customer reviews, acceptance certificates, number and level of scientific publications, scientific conferences and seminars held
- analysis of the results of state certification/accreditation of the university
- analysis of the results of institutional ratings and ratings of educational programs.

On the part of the rector of SSMU, Professor Rizaeva J.A., repeated meetings are held with students, as well as a meeting with youth leaders of SSMU <https://www.sammu.uz/uz/news/2563701>, as well as with talented youth of Samarkand State Medical University (<https://www.sammu.uz/uz/news/2558804>).

On March 16, within the framework of the II Forum of Students of Medical Universities of Uzbekistan, the rector of Samarkand State Medical University, Professor Rizaev Zhasur Alimdzhonovich gave an author's lecture "Who is a leader?" The lecture was attended by students of higher educational institutions - forum participants, teachers and university students (<https://www.sammu.uz/uz/news/2559166>).

The university systematically carries out preventive measures in compliance with the principles of academic integrity:

1) annually at the beginning of each academic year, students are required to familiarize themselves with and sign information on maintaining academic integrity, in accordance with the provisions of [https://t.me/sammu\\_media/6415?single](https://t.me/sammu_media/6415?single)

2) regularly held meetings of the rector, vice-rectors, deans of faculties, the anti-corruption department with students on issues of academic integrity and anti-corruption culture <https://www.sammu.uz/uz/news/2558146>, [https://t.me/sammu\\_media/8645](https://t.me/sammu_media/8645)

3) university tutors hold meetings with groups of students, where issues of preventing violations of academic integrity and anti-corruption measures are discussed [https://t.me/sammu\\_media/8033?single](https://t.me/sammu_media/8033?single)

4) the Testing Center has special storage areas for phones, smartphones and other electronic devices;

5) before the examination session, as well as directly on the day of taking the exams, students are additionally informed about the need to maintain academic integrity.

### **7.3 Academic achievements of students and graduates**

Current student assessment has shown that student and graduate achievement is related to the mission of the educational program, the final learning outcomes and the provision of resources.

The results of the examination of graduates in 2018-2023 showed that SSMU graduates successfully passed the final state certification. The average score for the university was 88.9. Graduates in the field of Dentistry passed the state certification with a score of 85.5 points. The procedure for passing the FSA took place in conditions of openness, objectivity and academic honesty [https://t.me/sammu\\_media/7096?single](https://t.me/sammu_media/7096?single)

The university monitors student programs from the 1st to the 5th year and notes that the study of world experience in developing an educational program and specialty standards in order to develop recommendations for adjusting the content of educational programs in accordance with international requirements.

The experts reviewed the documents: The University's admission rules for all levels of education (bachelor's, master's, doctoral, residency, and also for foreign citizens) are posted on the website. Additional entrance requirements, the procedure and procedure for passing examinations are regulated by the rules of admission for the relevant levels of education. Admission of applicants, conducting entrance exams, summing up the results of entrance exams are carried out by the "State Test Center" of the Republic of Uzbekistan. The Admissions Committee at the University ensures timely awareness of examined applicants and admission rules.



Experts compared the performance of applicants in 2018 and the results of graduates in 2023 and came to the conclusion that with the improvement of the material and technical equipment of the educational process, the quality of knowledge of students increases.

The results of graduates are brought to the attention of the admissions committee with an analysis of the graduates' knowledge, as well as to the staff of the educational department who are responsible for planning the educational program and advising students.

In order to promote the employment of university graduates, the Department of Marketing and Industrial Practice ([https://www.sammu.uz/ru/pages/regional\\_offices](https://www.sammu.uz/ru/pages/regional_offices)) annually holds a "Job Fair" and Personal Distribution of Graduates with the participation of representatives of health departments (<https://www.facebook.com/sammi.education>).

University graduates are in demand in the labor market, which is confirmed by the high employment rate of graduates - 98.0% (2022) and 97% in 2023.

#### **7.4 Stakeholder engagement**

Teachers are involved in the program of monitoring and activities to evaluate the educational program through participation in the internal commission, and administrative workers through monitoring.

Employers are involved in evaluating the program through meetings and organizing round tables. Interviewed by the university in 2023 employers have shown that the clinical training of students meets the requirements of employers, according to interviews with 30 employers conducted by experts on April 9, 2024. The participation of a wide range of stakeholders in the evaluation and improvement of educational programs at SSMU is ensured by authorized bodies in the field of education and health (Ministry of Health of the Republic of Uzbekistan, Ministry of Education and Science of the Republic of Uzbekistan), representatives of the public, professional organizations, as well as persons and structures responsible for postgraduate education:

1. Ministry of Health of the Republic of Uzbekistan, Ministry of Education and Science of the Republic of Uzbekistan - state certification of graduates, intermediate and end-of-course assessment of interns, intermediate state control, annual control of the university's readiness for the new academic year as part of the phased implementation of educational programs (evaluation of the content of training, the quality of training of specialists, conditions for the implementation of the educational process and etc.).

2. Ministry of Health of the Republic of Uzbekistan, Ministry of Education and Science of the Republic of Uzbekistan - implementation of regulations in the field of medical and pharmaceutical education and science.

3. Departments of regional health departments - on a bilateral initiative, cooperation agreements were concluded with SSMU with 12 regions of the Republic of Uzbekistan.

4. Employers (medical institutions of regional health departments of the Republic) - creation of an effective system for promoting employment and adaptation of graduates to the labor market, annual meetings are held, surveys of employers are held and correspondence is conducted about the quality of training of graduates of bachelor's and master's degrees, feedback and gratitude are collected from the administration of clinics and doctors about results of students' practice.

5. Representatives of the committee for the control of medical and pharmaceutical services and representatives of practical healthcare - SSMU widely uses the principle of independent objective evaluation, involving as chairmen, members and examiners of the state certification commission for the final certification of graduates, and participate in their distribution. Their opinions and comments are taken into account when planning improvements.

Access to the educational program evaluation results for stakeholders is provided through official sources. *An interview was conducted with 30 employers in an offline format on the following issues: knowledge of the university's mission, participation in the development of the mission and proposals for the university's strategic development plan, participation in the work of advisory bodies, satisfaction with the basic knowledge and skills of students, participation in student training through mentoring, providing the department and students with the necessary resources for practical training*

*and the formation of clinical thinking, about the problems of interaction with departments and the university as a whole, 98\_% employment of graduates, etc.*

The opinions of a wide range of stakeholders are taken into account through official sources (information and analytical reports, an action plan to eliminate comments, etc.) and informal ones (surveys, conversations with consumers of educational services, collection of complaints and suggestions, information from the forum and blogs, etc.)

For any questions that arise, students contact the dean's office and their tutor.

Students and teachers are involved in program evaluation using automated regular questionnaires. Also, in focus group/commission studies to improve educational programs.

***Conclusions of the EEC on the criteria.*** Compliant out of 12 standards: fully -6, partially - 6, do not comply - 0

***Recommendations for improvement:***

- 1) Standard 7.1.1, Standard 7.1.2., Standard 7.1.3., Standard 7.1.4– To develop and implement a system for monitoring and comprehensive evaluation of the effectiveness of the educational program.
- 2) Standard 7.2.1., Standard 7.2.2 – To conduct a systematic study of feedback from all stakeholders, followed by analysis and development of corrective measures to improve the educational program.

## **Standard 8: MANAGEMENT AND ADMINISTRATION**

### **8.1 Management**

On April 1, 2022, according to the decree of the President of the Republic of Uzbekistan DP-188, SSMU was transformed into a university. In connection with obtaining a new legal status, a new management structure of the university was reviewed and developed, the current version of which was approved by internal order No. 207AF dated April 18, 2022 ([https://www.sammu.uz/uz/pages/structure\\_university](https://www.sammu.uz/uz/pages/structure_university)).

The experts got acquainted with the structure of the university, the charter, the functions of the vice-rector's office for academic work, the vice-rector for scientific work and innovation, the educational department and the dean's office of the Faculty of Dentistry, responsible for the educational program "Dentistry" (language of instruction). The organizational structure approved in 2022 includes educational units and departments, as well as specialized departments that are directly responsible for the educational program. The relevant departments and academic departments are directly involved in the management of the educational program.

A conversation with the vice-rector for academic affairs demonstrated the vice-rector's competence in his duties. She manages the planning, formation, distribution and control of the teaching load of Academic staff. Submits these norms for consideration and approval by the Academic Council of the university for the design and development of educational programs and their inclusion in the register of educational programs, working curricula of disciplines (syllabuses), professional practice programs, forms of educational and educational-methodological documentation

While talking with the Vice-Rector for Research and Innovation, we learned about the university's scientific projects. Introduction and attraction of innovative technologies in order to maintain and expand the scope of scientific and innovative activities of the university

There are educational and methodological commissions, the Central Educational and Methodological Commission, the Faculty Council, the Academic Council of the University, the Board of Trustees, which are consultative and advisory bodies that consider issues related to the educational program. It includes professors and associate professors of specialized departments. The experts are familiar with protocols No DP 2909 of 2017, where the educational program was considered. The clinical direction of the accredited program is supervised by the Academic Council. Selection of clinical bases and conclusion of contracts with them, planning of joint work and responsibility SSMU includes the following clinics, research institutes and centers: University Clinic No. 1 and No. 2,

Research Institute of Rehabilitation and Sports Medicine; Research Institute of Microbiology, Virology, Infectious and Parasitic Diseases named after L.M. Isaeva; Specialized Scientific and Practical Center for Neurosurgery and Neurorehabilitation at Samarkand State Medical University; Scientific Center for Immunology, Allergology and Human Genomics. The experts visited the simulation center, where they received information about the possibility of acquiring skills through innovative educational resource technologies.

Transparency of the management system and decisions made is ensured through the Academic Council of the university. Decisions are published on the university's social networks and posted on the website <https://mt.sammu.uz>.

On December 24, 2021, the President of the Republic of Uzbekistan signed two important documents regarding fundamental changes in the higher education system "On additional measures to ensure the academic, organizational and managerial independence of state higher educational institutions" and "On measures to ensure the financial independence of state higher educational institutions."

The adopted documents opened a new page in the development of the country's universities. In accordance with these documents, universities will have such rights and opportunities as the creation and publication of textbooks and other educational and scientific literature based on their own plan for the higher educational institution and its branches; creation and implementation of internal control mechanisms for the quality of education; implementation of main activities related to education, science, implementation and commercialization of its results, creation of non-state structures, commercial and non-profit organizations; approval of the structure of the institution and determination of staffing levels, regardless of the standards established for higher educational institutions; opening new directions and specialties based on the needs of the labor market, cessation of existing directions and specialties; establishing a procedure for hiring, dismissing and internal rotation of teachers and other employees; admission of foreign citizens on a paid basis and organization of distance learning. The rector especially emphasized that these documents not only give rights and independence, but also impose special responsibility for their implementation on the university staff.

## **8.2 Academic leadership**

The responsibility of academic leadership in relation to the development of the educational program and management of the educational process is reflected in the regulations on departments, qualification requirements; functional responsibilities, rights and responsibilities of university employees are in job descriptions (vice-rector for academic affairs, deans of faculties, heads of departments). Amendments or development of new Regulations on departments and job descriptions are carried out on the basis of changes in the regulatory framework of the Republic of Uzbekistan, changes in the organizational structure of the university, orders and staffing at the university. In order to improve the educational program at the university, a systematic analysis of the effectiveness of its implementation is carried out.

The educational program "Dentistry" was developed at specialized departments and approved by the Academic Council (<https://www.sammu.uz/ru/pages/>

The Academic Council is a collegial body of the University in the academic, scientific, and clinical areas of the University's activities. His decisions in these areas are binding on the University staff and students. The activities of the Academic Council, based on the principles of transparency, provide the opportunity for broad public discussion and collective resolution of the issues under consideration, pressing problems of the university and prospects for its development ([https://www.sammu.uz/ru/pages/academic\\_council\\_statue](https://www.sammu.uz/ru/pages/academic_council_statue)).

Reports from vice-rectors, deans and heads of structural divisions are heard at meetings of the rector's office and the Academic Council of SSMU. The Rector of the University presents the



university's achievements at meetings of the boards of the Ministry of Health of the Republic of Uzbekistan.

Specialized departments, including clinical departments, take part in the implementation of the program. Each department works on the basis of the regulations and charter of the university and annually draws up a work plan, which is approved by the Academic Council. Department reports are submitted to the academic department and the Academic Secretary. Departments report to the Academic Council.

Experts visited specialized departments in dentistry. Meetings were held with teachers who answered the following questions from experts: quality of education? Equipment? Scientific direction? Teacher-student relationship? Positive responses were received.

It has been established that the educational program "Dentistry" is implemented through a curriculum that regulates in each course of study the average duration of academic study in weeks, professional practice, forms of control, a list of compulsory disciplines and elective components. Academic policy regulates the policy of transfer from course to course, taking into account the "Regulations on the control and assessment of students' knowledge," re-taking the discipline and the mechanism for the expulsion and reinstatement of students. Analysis of learning outcomes in EP is carried out at all levels: department, faculty, Academic Council.

Analysis of the educational achievements of students and graduates, regarding: the mission of the educational program, the final learning outcomes and the provision of resources, is carried out based on the results of intermediate and final certifications, the level of employment and feedback from employers.

Periodic evaluation of the activities of the academic leadership of the university to achieve its mission and the final results of education is carried out through internal audit and self-assessment, the results of which are discussed at meetings of collegial and advisory bodies.

*H To the survey question "Do university leaders listen to your opinion regarding issues related to the educational process, research, and clinical work," 86% of teachers answered that systematically, 10% answered "sometimes," and 4%.*

Starting from the 2022-2023 academic year, the universities included in the list will be given the authority in the academic sphere to: approve curricula and plans, as well as qualification requirements; determine the language and form of education; establish terms of study in bachelor's and master's degrees, approve the procedure for scientific supervision of doctoral students and applicants; introduce correspondence, evening, and distance learning in master's programs; develop and publish textbooks and other educational and scientific literature for universities; determine and implement internal quality control of education. They can also make their own decisions on the transfer of foreign citizens from foreign universities, approve the procedure for their examinations and assessment criteria.

### **8.3 Training budget and resource allocation**

Financial support is the responsibility of the University Rector. The organizational structure includes a finance and planning department. Rector of the University Rizaev Zh.A said that all financial expenses are decided collectively. To ensure and monitor the implementation of the Laws of the Republic of Uzbekistan "On Education", decrees of the President, orders, resolutions, the Cabinet of Ministers, the Board of the Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan and the Ministry of Health of the Republic of Uzbekistan, orders, instructions, modems and telephone messages, as well as orders of the rector together with faculties, departments, departments. The Vice-Rector for Economic Affairs confirmed that he coordinates the activities of responsible structures at the university based on the appointment of the department of financing and planning, accounting and marketing. Experts got acquainted with the draft cost estimates for the new financial year. University strategic plan for 2024-2027 includes financial indicators. The training budget is formed from the following sources: student contracts and extra-budgetary funds. Dynamics for 2018-2023 the influx of financial resources was increased by 56% due to an increase in students and the transformation of the institute into a university. Expenditures on educational resources in 2023 amounted to 976 million soums. The largest share of expenses fell on the purchase of material and

technical base. The university spent 115 million soums to update the library fund in 2023 (When recalculated to US dollars 9 thousand). Expenditures on the teacher development program in 2023 amounted to 150 million, which is 4 times more than in 2018. The scholarship fund makes up 85% of the total budget. 2.5 billion soums were spent on the creation of the simulation center.

According to these documents, a list of state higher educational institutions has been approved, which includes Samarkand State Medical University, which are granted financial independence from January 1, 2022. Universities will be authorized to independently make decisions on the issues of determining the cost of education on a paid contract basis, establishing and extending the terms of payment of a paid contract by students, attracting on a contractual basis domestic and foreign professors, teachers and specialists who are able to apply modern pedagogical technologies in the educational process and conduct scientific research. research, establishing wages for foreign highly qualified specialists involved in educational and scientific processes, developing standards for introducing staff positions for professors and teachers, allocating scholarships and grants for students at their own expense, direct purchase of educational and scientific literature, textbooks and teaching aids from foreign countries states from manufacturers who have copyrights, determining the procedure for providing paid services in empty buildings and structures, determining the annual mileage limit for vehicles and requirements for their maintenance.

#### **8.4 Administrative staff and management**

The organization and conduct of the educational process at Samarkand State Medical University is carried out on the basis of the Law “On Education”, “On the National Program for Personnel Training”, Resolution of the President of the Republic of Uzbekistan, dated 04/20/2017 No DP-2909 “On measures for the further development of the system higher education” and other regulatory documents approved in this area.

Currently, the university has more than 11,168 students studying in 10 undergraduate areas, 122 master’s residents in 24 specialties, 706 clinical residents in 56 specialties, 24 interns in 7 specialties.

The administrative staff of the university is: in 9 faculties and 86 departments of the university, 648 teachers are engaged in educational and methodological activities: 79 doctors of medical sciences (of which 59 are professors), 307 candidates of medical sciences (of which 152 are associate professors), 37 senior teachers. In 2023, there were 79 administrative employees. There were 640 full-time teachers in 2023, whose graduation rate was 62%. Among the teachers of clinical departments there are 276 people, 67% have a specialist certificate in the relevant specialty.

The University has developed a program to ensure the quality of education in order to ensure a high level of the educational process in accordance with the requirements of reforms carried out in the socio-economic spheres, as well as to further improve the quality control of education in the system of continuing education, carry out state policy in the field of control over the quality of training and objective To assess the effectiveness of the educational process, Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 515 dated July 18, 2017 was adopted on organizing the activities of the state inspectorate for supervision of the quality of education under the Cabinet of Ministers of the Republic of Uzbekistan. The Law “On Education”, decrees and instructions of the President and the Cabinet of Ministers of the Republic of Uzbekistan, quality control is carried out on the basis of orders of the State Inspectorate and the rector of Samarkand State Medical University, as well as the “Regulations on the activities of the education quality management department of Samarkand State Medical University”, approved by the rector of the university. A quality management system (QMS) has been implemented, certified in 2023. The experts visited the department for quality control of education, where they got acquainted with the documents of the department. Periodic assessment of the QMS is carried out every month and responsibility for this lies with Zokirov Farkhod Istamovich, chief specialist.

#### **8.5 Interaction with the health sector**

Interaction with the healthcare sector is carried out through interviews and is aimed at improving the educational program “Dentistry”. The University interacts with authorized bodies, including clinical structures, on issues such as the practical part of the lesson.

Teachers of departments participating in the implementation of the educational program "Dentistry" participate in the examination of the educational program. Teachers are members of professional associations of dentists, editorial boards of the journals "Biomedicine and Practice", the journal "Doctor's Bulletin", the journal "Problems of Biology and Medicine", working groups in educational, scientific, educational areas.

Clinical activities of teachers are carried out in the clinic of SSMU and include work with patients together with students. This process is monitored and taken into account by the Education Quality Control department.

To implement the educational program, clinical training is carried out in 35 clinical bases, including University Clinics No. 1 and No. 2, the Samarkand branch of the Republican Scientific and Practical Center for Emergency Medical Care, the Regional Specialized Multidisciplinary Medical Center, the Regional Children's Specialized Multidisciplinary Medical Center, the Samarkand branch of the Republican scientific and practical center of endocrinology, Samarkand branch of the Republican scientific and practical center of phthisiology and pulmonology, Samarkand branch of the Republican scientific and practical center of traumatology and orthopedics, Samarkand branch of the Republican scientific and practical center of dermatovenerology and cosmetology, Samarkand branch of the Republican scientific and practical center of oncology, etc. On-site training is carried out at 124 bases, on the basis of a bilateral agreement between the university and the regional health departments of all regions of the Republic of Uzbekistan. Bases for clinical training cover various institutions of the medical care system provided at the regional, city, regional, republican levels, as well as the system of private medical institutions.

In accordance with bilateral agreements, clinical bases have created conditions for the training of students, providing the departments of SSMU with the required number of educational and production premises; conditions for full participation in the treatment process for employees of SSMU departments; conditions for conducting scientific research using equipment and technical facilities of clinical bases.

The clinical departments of SSMU are headed by highly qualified, experienced clinicians, mainly with the highest medical category, having an academic degree of doctor or candidate of medical sciences. Heads of departments, together with the administration of medical organizations, manage the treatment, preventive, organizational and methodological activities of the clinical base. Academic staff provide therapeutic, diagnostic and advisory assistance in the amount corresponding to regulatory documents, conduct clinical rounds, examine patients, consultations, consultations, and participate in the implementation of road maps of the Ministry of Health of the Republic of Uzbekistan.

In addition, university employees are constantly involved in educational, clinical, and expert activities at the republican level, as well as outside the Republic of Uzbekistan. Since the beginning of the COVID-19 pandemic, the teaching staff of SSMU has participated in the development of all versions of the Clinical Protocol for the diagnosis and treatment of coronavirus infection, conducting training seminars for practical healthcare doctors, and speaking in the media for the population.

For several years, qualified medical specialists of SSMU have been providing free advisory and medical assistance to the population of almost all districts of the Samarkand region.

Cooperation with the healthcare sector is carried out on the basis of an agreement between the Health Department of Samarkand and SSMU, contracts concluded between SSMU and chief doctors (directors) of medical organizations. Within the framework of these agreements, joint events are held on an ongoing basis (joint scientific and practical conferences, educational webinars, provision of practical assistance to the population, master classes, Open Days, etc.)

Official status is given to cooperation with partners in the healthcare sector through the conclusion of perpetual memorandums and agreements with clinical sites for the organization of students undergoing SCP and PP, as part of the implementation of the educational program

Information about the university: mission, vision, development strategy, structure, corporate documents, contacts and other reference information is posted on the home page, with access to all tabs open to all users without restrictions (<https://www.sammu.uz/ru/pages/information>).

Information about educational programs: posted in the sections “Activities - educational activities”, “Applicant”, where all levels of education are described with mandatory information about the conditions for admission, educational programs for each level of study, as well as information about tuition fees and rules for accepting documents. All information in this pop-up menu tab is publicly available to all site visitors without exception (<https://www.sammu.uz/ru/pages/syllabus>).

The academic calendar, educational process schedule, class schedule, exam schedule for all levels of education is publicly available to all site users in the “Student” menu, all available tabs can be found at the following link ([https://www.sammu.uz/ru/pages/training\\_schedule](https://www.sammu.uz/ru/pages/training_schedule)).

The official status of cooperation with partners in the healthcare sector is formalized through the conclusion of contracts. As part of cooperation, university staff conduct the following events: conferences and forums. Total for 2018-2023 115 joint events were held at the international (78) and republican (37) levels.

**The strengths of standard 8 are:** 1. The autonomy of the university, which allows creating optimal conditions for the implementation of educational programs; 2. Rational interaction of the main structural divisions; 3. Modular training system; 4. Practice of independent distribution of financial resources; 5. Effective interaction with the practical healthcare sector.

**Conclusions of the EEC on the criteria.** Comply out of 13 standards: fully - 12, partially - 1, do not comply - 0.

**Recommendations for improvement:**

- 1) Standard 8.4.2 – To develop and implement an internal quality assurance system for managing the educational program based on ESG.

## **Standard 9: CONTINUOUS RENEWAL**

The social responsibility of the university is enshrined in the Decree of the President of the Republic of Uzbekistan dated April 1, 2022 No. 188 “On the organization of Samarkand State Medical University”, the tasks for its further development in the training of highly professional medical personnel are defined, which is reflected in the Charter of the university. In this regard, the university management initiates regular review procedures, including certification of teachers and accreditation of educational programs.

Periodic external evaluation of the university is enshrined in the Order of the Minister of Higher Education, Science and Innovation of the Republic of Uzbekistan dated January 31, 2024 No. 23, which establishes the procedure for international accreditation of educational programs of higher educational institutions of the republic and the rector of the university, Rizaev Zh.A., is responsible for timeliness.

For 2018-2023 SSMU has not conducted external evaluations of the Dentistry educational program.

The basis for the continuous improvement of the educational program “Dentistry” is the Strategic Development Plan for the period 2021-2025, which plans to attract foreign teachers to the educational process; updating the simulation center with modern dental simulators, complete digitalization of the main processes of the faculty’s activities. The process of training and professional development of SSMU personnel is regulated by the relevant Regulations approved by the Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 319 dated December 18, 2009 “On improving the system of advanced training and retraining of medical workers” (<https://lex.uz/docs/1561584>).

The last update of the plan was carried out in 2021 in connection with changes in the needs of practical healthcare, new regulatory documentation (namely, requirements for graduates based on the Order of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan, registration number 1963 dated 06/05/2009 “On approval of the regulations on the final state

certification of graduates of higher educational institutions in the Republic of Uzbekistan” (<https://lex.uz/docs/1485547>), transformations in society, including those related to the high birth rate.

The educational program is updated based on an analysis of a survey of students, teachers, and employers.

A revision of the organizational and staffing structure, with an emphasis on departments directly related to the Dentistry program (Uzbek and Russian language of instruction), was carried out in 2021.

The university allocates resources for continuous improvement, which are secured by an expenditure item of 9.03 billion. In total, 3.3 billion soums were spent in 2023 (when converted to the monetary equivalent of US dollars - 252,034.08) - the library fund. Compared to 2018, this figure increased by 569%.

One of the strengths that should be noted is the comprehensive support of management for the processes of renewal and improvement of all areas of the university’s activities.

The process of updating the Dentistry program is based on such prospective studies, minimally invasive and minimally invasive methods for the treatment of complicated caries in children, as well as on the results of our own study and evaluation through epidemiological studies in various regions of the Samarkand region.

The process of updating the Dentistry program included the introduction of a number of elective disciplines.

Thus, the mission and final results of the educational program “Dentistry” have been updated, taking into account the development of society and healthcare. Methodological teaching approaches have been modified.

**Conclusions of the EEC on the criteria.** Comply with 3 standards: completely - 1, partially - 2, do not correspond - 0.

***Recommendations for improvement:***

1) Standard 9.2 – To conduct an update process based on medical education data (e.g. Medical teacher, BEME) and own research results.

2) Standard 9.3 – To develop a policy of continuous renewal to improve the educational program, including conditions for inclusive education.

Thus, when conducting an external evaluation of the educational program, out of **107 accreditation standards**, compliance with 90 accreditation standards was established, including 37 basic standards and 53 improvement standards. 17 accreditation standards have been partially met, including 14 basic standards and 3 improvement standards. No non-compliance with standards has been established.

## **5. Recommendations for improving the educational program “Dentistry”:**

1. It is recommended to develop a catalog of elective disciplines (standard 2.1.4).
2. It is recommended to involve a larger number of students when developing an educational program (standard 2.1.7).
3. To improve continuity and further training, it is recommended to introduce the discipline “Evidence-Based Medicine” into the EP (standard 2.2.1)
4. To improve the quality of teaching, it is recommended to develop an internal document “Regulations on active and interactive teaching methods” and implement it in the educational process with the receipt of an implementation certificate (standard 2.7.2)
5. It is recommended that Academic staff undergo advanced training in the use of various evaluation methods (standard 3.1.1)
6. It is recommended to unify the system for evaluating students’ practical skills in the simulation center (standard 3.1.2)
7. Creation of a local bioethical commission for the examination of scientific research (standard 6.5.1)

8. To develop and implement a policy on the use of expertise in the development of teaching methods and evaluation of knowledge and skills: validity and reliability (standard 6.5.2).

9. To develop and implement a system for monitoring and comprehensive evaluation of the effectiveness of the educational program (standard 7.1.1, standard 7.1.2., standard 7.1.3., standard 7.1.4).

10. To conduct a systematic study of feedback from all stakeholders, followed by analysis and development of corrective measures to improve the educational program (standard 7.2.1., standard 7.2.2)

11. To develop and implement an internal quality assurance system for educational program management based on ESG (standard 8.4.2)

12. It is recommended to carry out an update process based on medical education data (for example, medical teacher, BEME) and your own research results (standard 9.2)

13. It is recommended to develop a policy of continuous renewal to improve the educational program, including conditions for inclusive education (standard 9.3).

#### **6.Recommendation to the ECAQA Accreditation Council on the accreditation of the educational program “Dentistry”**

The members of the EEC established the compliance of the educational program “Dentistry” (Uzbek and Russian languages of instruction) with the Accreditation Standards and came to a unanimous decision to recommend that the ECAQA Accreditation Council, to accredit this program for a period of 5 years

Chairman	Zhunusova Aigul Bitimbaevna
International expert	Ryzhkin Sergey Alexandrovich
Academic expert	Khasanov Adham Ibrakhimovich
Academic expert	Rasulov Khamidulla Abdullaevich
Academic expert	Gaipov Abduzhappar Yerkinovich
Academic expert	Iskakova Maryam Kozbaevna
Academic expert	Kalieva Sholpan Sabataevna
Academic expert	Koloskova Yekaterina Alexandrovna
Expert employer	Ulmasov Firdavs Gayratovich
Expert learner	Dildabek Turar Kanatuly
Expert learner	Sharipova Shokhidil Zayniddinkizi

#### 6. Рекомендация Аккредитационному совету ЕЦА

Члены ВЭК пришли единогласному мнению рекомендовать Аккредитационному совету аккредитовать образовательную программу **60910100 – «Стоматология» Самаркандского государственного медицинского университета Республики Узбекистан**, соответствующую Стандартам аккредитации образовательной программы базового медицинского образования медицинских организаций образования на период 5 лет.

Председатель  
Внешней экспертной комиссии

ЖУНУСОВА АЙГУЛЬ  
БИТИМБАЕВНА



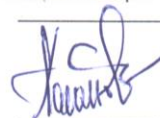
Международный эксперт

РЫЖКИН СЕРГЕЙ  
АЛЕКСАНДРОВИЧ



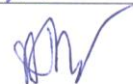
Академический эксперт

ХАСАНОВ АДХАМ  
ИБРАГИМОВИЧ



Академический эксперт

РАСУЛОВ ХАМИДУЛЛА  
АБДУЛЛАЕВИЧ



Академический эксперт

ГАЙПОВ АБДУЖАППАР  
ЭРКИНОВИЧ



Академический эксперт

ИСКАКОВА МАРЬЯМ  
КОЗБАЕВНА



Академический эксперт

КАЛИЕВА ШОЛПАН  
САБАТАЕВНА



Академический эксперт

КОЛОСКОВА ЕКАТЕРИНА  
АЛЕКСАНДРОВНА



Эксперт – представитель  
работодателей

УЛМАСОВ ФИРДАВС  
ГАЙРАТОВИЧ



Эксперт – представитель студентов

ДИЛДАБЕК ТУРАР  
ҚАНАТҰЛЫ



Эксперт – представитель студентов

ШАРИПОВА ШОХИДИЛ  
ЗАЙНИДДИНКИЗИ



**Профиль качества и критерии внешней оценки образовательной программы  
«Стоматология» (обобщение)**

№ стандарта	Стандарты аккредитации	БС/ СУ	Кол-во стандартов	Оценка		
				Полностью соответствует	Частично соответствует	Не соответствует
1.	<b>МИССИЯ И КОНЕЧНЫЕ РЕЗУЛЬТАТЫ</b>	7/5	12	12		
2.	<b>ОБРАЗОВАТЕЛЬНАЯ ПРОГРАММА</b>	10/15	25	21	4	
3.	<b>ОЦЕНКА СТУДЕНТОВ</b>	2/2	4	2	2	
4.	<b>СТУДЕНТЫ</b>	8/6	14	14		
5.	<b>АКАДЕМИЧЕСКИЙ ШТАТ/ПРЕПОДАВАТЕЛИ</b>	2/3	5	5		
6.	<b>ОБРАЗОВАТЕЛЬНЫЕ РЕСУРСЫ</b>	9/10	19	17	2	
7.	<b>ОЦЕНКА ОБРАЗОВАТЕЛЬНОЙ ПРОГРАММЫ</b>	6/6	12	6	6	
8.	<b>УПРАВЛЕНИЕ И АДМИНИСТРИРОВАНИЕ</b>	6/7	13	12	1	
9.	<b>НЕПРЕРЫВНОЕ УЛУЧШЕНИЕ</b>	1/2	3	1	2	
	*БС- базовые стандарты, СУ- стандарты улучшения					
	<b>Итого</b>	51/56	<b>107</b>	<b>90</b>	<b>17</b>	



## Список документов, изученных членами ВЭК во время визита в организацию

№	Наименования документов	Количество
	Официальный сайт университет - <a href="https://www.sammu.uz/">https://www.sammu.uz/</a> ,	1
	«Программа комплексного развития Самаркандского государственного медицинского университета на 2022 – 2025 годы» ( <a href="https://lex.uz/docs/5934205">https://lex.uz/docs/5934205</a> )	1
	Протокол заседания Ученого совета СамГМУ №11 от 29 июня 2022 года	1
	Приказ ректора СамГМУ №1028 от 31 августа 2022 года	1
	Постановление Президента РУз №ПП-60 и №ПП-61 от 24 декабря 2021 года	1
	Правила внутреннего распорядка Самаркандского государственного медицинского университета от 22 августа 2023 г.	1
	Приказ о создании Студенческого научного общества №313 от 6 апреля 2022г.	1
	ГОСО 2021 РУз, утверждено приказом Министра высшего и среднего образования РУ № 11 от 19 октября 2021 года	1
	УМКД	1
0.	Кодекс этики СамГМУ от 22 августа 2023 года	1
1.	<a href="https://e-library.sammu.uz">https://e-library.sammu.uz</a> - библиотека СамГМУ	1
2.	ГОСО 2015, утвержденное приказом Министра высшего и среднего образования РУ № 2017-2020. №303 от 21 августа 2015 года	1
3.	Решение Президента Республики Узбекистан от 24 декабря 2021 года № ПД-60 «О дополнительных мерах по обеспечению академической и организационно-управленческой независимости государственных высших учебных заведений»	1
4.	Система тьюторства СамГМУ, приказ № 769 от 12.10.2021 года.	1
5.	Каталог дисциплин -	1
5.	“Положение по системе контроля и оценивания знаний студентов” от 31 августа 2022 года	1
7.	Протокол заседания № 8 отдела по качеству образования СамГМУ “Обсуждение результатов предварительного тестирования итоговой государственной аттестации студентов выпускного курса по направлениям образования” от 15 апреля 2022 года.	1
8.	Платформа электронного обучения <a href="https://mt.sammu.uz/">https://mt.sammu.uz/</a>	1
0.	Расписание государственной итоговой аттестации на 2022-2023 уч.гг.	1
1.	Постановление Кабинета Министров Республики Узбекистан “ <a href="#">О совершенствовании порядка приема и обучения иностранных граждан в образовательных учреждениях Республики Узбекистан</a> ” №169 от 04.08.2008 г.	1
2.	Закон Республики Узбекистан “ <a href="#">Об образовании</a> ”, от 23.09.2020 г. № ЗРУ-637, Постановление Кабинета Министров Республики Узбекистан “ <a href="#">Об утверждении положения о порядке приема на учебу, перевода, восстановления и отчисления студентов в высших образовательных учреждениях</a> ” от 20.06.2017 г. № 393.	1
8.	Постановление Кабинета Министров Республики Узбекистан “ <a href="#">Об утверждении положения о порядке приема лиц с инвалидностью в высшие образовательные учреждения на обучение по дополнительным квотам на основе государственного гранта</a> ” от 02.06.2018 г. № 417.	1

4	Постановление Кабинета Министров Республики Узбекистан №563 от 9 сентября 2021 года <u>«О мерах по повышению уровня размещения студентов в высших учебных заведениях Республики».</u>	1
5	<u>Постановление Президента Республики Узбекистан от 27 июля 2017 года № ПП-3151</u>	1
5	Приказ о создании Совета молодых ученых №1074А/Ф от 26 ноября 2020 г.- <a href="https://drive.google.com/file/d/1QOukV-GonfzLc6-FqkPdFJZqADMSKHOj/view?usp=sharing">https://drive.google.com/file/d/1QOukV-GonfzLc6-FqkPdFJZqADMSKHOj/view?usp=sharing</a>	1
7	Указ президента Республики Узбекистан “О мерах по повышению эффективности государственной молодежной политики и поддержке деятельности союза молодежи Узбекистана” №5106 от 06.07.2017г. - <a href="https://drive.google.com/file/d/1LNVGn9kWVVFuDIyk7TFcsaS1OVMQS_eZ/view?usp=sharing">https://drive.google.com/file/d/1LNVGn9kWVVFuDIyk7TFcsaS1OVMQS_eZ/view?usp=sharing</a>	1
8	План работы студенческого научного общества СамГМУ от 25.08.2023г. - <a href="https://drive.google.com/file/d/1TAD2EnONI5WrDyLVeA6fxI8oNx0GIUtZ/view?usp=sharing">https://drive.google.com/file/d/1TAD2EnONI5WrDyLVeA6fxI8oNx0GIUtZ/view?usp=sharing</a>	1
9	Постановление Кабинета Министров Республики Узбекистан, от 29.09.1994 г. № 490 “ <u>Об упорядочении условий оплаты труда работников народного образования</u> ”	1
10	<u>Трудовой Кодекс</u> Республики Узбекистан	1
11	Индивидуальный план ППС - <a href="https://drive.google.com/file/d/1zU5BYyo-MwRakJ4W8GAV_rGaVQn7eGUY/view?usp=drive_link">https://drive.google.com/file/d/1zU5BYyo-MwRakJ4W8GAV_rGaVQn7eGUY/view?usp=drive_link</a>	4
12	Анкета союза молодежи	1
13	Приказ ректора университета №148 / АФ от 29.01.2021г. об аттестации ППС	1
14	Отчет о выполнении сметы расходов от 01.07.2021	1
15	Устав “Инновационного центра симуляционного обучения СамГМУ”	1
15	Расписание симуляционного центра СамГМУ	1
17	Журнал текущего и промежуточного контроля знаний студентов СамГМУ	1
18	Тетрадь студента для выполнения практических работ	1