Ministry of Education and Science of the Russian Federation

APPROVED BY

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A.B.	Povalko	II	shat R. Gafurov
«»	2016	« <u> </u> »	2016

Amendments to the Activity Plan for the Implementation of Program for Enhancing Competitive Ranking ("Roadmap") of Federal State Autonomous Educational Institution of Higher Professional Learning "Kazan Federal University" for 2013-2020 (stage 2 – 2015-2016) agreed by Ministry of Education and Science of the Russian Federation on July 2015 and approved by Federal State Autonomous Educational Institution of Higher Professional Learning "Kazan Federal University" on March 30, 2015

Amendments to the Activity Plan for the Implementation of Program for Enhancing Competitive Ranking ("Roadmap") of Federal State Autonomous Educational Institution of Higher Professional Learning "Kazan Federal University" for 2013-2020 (stage 2 – 2015-2016);

presented at the meeting of the Council for enhancing competitive ranking of the Russian leading universities among world leading research and academic centers on March 18, 2016;

amended as per recommendations of the Council for enhancing competitive ranking of the Russian leading universities among world leading research and academic centers, forwarded in the letter from the Ministry of Education and Science of the Russian Federation No A Π -580/02 dated April 13, 2016.

The data in Forms 1 and 2 presents updated information on performance indicators and financing of the Activity Plan for the Implementation of Program for Enhancing Competitive Ranking ("Roadmap") of Federal State Autonomous Educational Institution of Higher Professional Learning "Kazan Federal University" for 2013-2020 (2nd stage – 2015-2016) based on the data regarding the implementation of the mentioned plan in 2015.

The data in Form 3 is an addition to the chapter 2.2. of the Activity Plan for the Implementation of Program for Enhancing Competitive Ranking ("Roadmap") of Federal State Autonomous Educational Institution of Higher Professional Learning "Kazan Federal University" for 2013-2020 (stage 2 – 2015-2016) regarding the introduction and development of strategic academic units by the University aimed at meeting the goals and objectives of the mentioned plan as well as improving the University's positions in subject rankings.

Amendments

to the Activity Plan for the Implementation of Program for Enhancing Competitive Ranking ("Roadmap") of Federal State Autonomous Educational Institution of Higher Professional Learning "Kazan Federal University" among world leading research and academic centers for 2013-2020 (stage 2 – 2015-2016)

Cross out the word *professional* in the name of the document "Activity Plan for the Implementation of Program for Enhancing Competitive Ranking ("Roadmap") of Federal State Autonomous Educational Institution of Higher Professional Learning "Kazan Federal University" among world leading research and academic centers for 2013-2020 (stage 2 – 2015-2016).

Introduce the following amendments in the text.

PART 1. TARGET PERFORMANCE INDICATORS AND MEANS FOR ACHIEVING THEM

1.1. KFU's Objectives and Performance Indicators

Paragraph 3 shall be reworded as follows:

"The improvement in the University's positions in all key rankings and the achievement of established KPIs and performance indicators have demonstrated the appropriateness of the selected development strategy, model and techniques. Thus, during the second stage (2015 – first half of 2016) we consolidated the advantages gained and launched large-scale structural transformations in the selected priority areas of the University development using all the opportunities offered by a classical university located in a truly unique, dynamically developing and innovation-driven region, featuring tolerant centuries-old co-existence of diverse ethnic groups, religions and cultures. In the next stage (starting from the middle of 2016) we are planning to form new aggregative organisational development drivers – strategic academic units – based on the existing priorities by involving structural divisions and strengthening the educational component. The

objective of this plan is to introduce the field proven development models and instruments in the whole University."

Delete the Table 1 "Target indicators of the Program for Enhancing KFU's Competitive Ranking for the period up to 2020".

1.2. Target University Model

1.2.1 Миссия вуза

Paragraph 1 shall be reworded as follows:

"- Contributing to Russia's innovation-driven development and enhancing the competitiveness of its human capital through ensuring high-quality academic process, research and technological developments in priority development areas of the Russian Federation;".

Delete Paragraph 3.

1.2.2. Global Higher Educational Institutions Selected as KFU's Benchmarking Peer Group

Sentence 3 in the Paragraph 1 shall be reworded as follows:

"Additionally, taking into account the expert suggestions provided for the first stage of the Road Map, we analysed the following universities with the profile similar to KFU's profile and demonstrating the fastest growth in their respective rankings over the past five years, as well as universities with structural divisions and areas leading in global subject rankings in the areas selected by us as strategic academic units."

Introduce the following paragraphs after Paragraph 12:

"In 2016, the following universities were included in the target group:

- University of Calgary;
- University of Texas at Austin;
- Imperial College London

Paragraph 13 shall be reworded as follows:

"These universities served as benchmarks for more precise determination of the growth dynamics of KFU's planned target performance indicators and structural divisions involved in subject rankings in 2015-2020."

Table 2 shall be deemed as Table 1.

Paragraph 15 shall be reworded as follows:

"Upon analysing the reviewed peer universities group, all the 2020 target model indicators that KFU had accepted for the Road Map (target model indicators) in 2013 were re-confirmed. Furthermore, KFU's planned performance indicators for 2015-2018 and the fluctuation trends for these Program indicators for 2016-2020 were corrected, as well".

Table 1 "Peer Universities: Substantiated Target Model Parameters" shall be reworded as follows:

University	Position in QS ranking in 2015\5-year growth	Articles in WoS database within 5 years per faculty member\% change within 5 years	Articles in Scopus database within 5 years per faculty member \% change within 5 years	WoS database within 5 years per faculty member	faculty member	Total number of students / faculty members, thousand people
Seoul National University (SNU)	36	6,54	5,34	32,07	28,18	28\6
Peking University (Beida)	41	7,33	8,43	40,76	38,26	33\4
Lund University (Sweden)	70	4,14	3,61	32,91	27,51	33\5
The University of Helsinki (Finland)	96	4,82	4,60	40,65	41,28	35\4,5
Freie Universität Berlin (Germany)	119	5,08	2,14	37,10	14,89	29\4
Universidad de Chile (Chile)	209\+53	1,79\+35	2,52\+40	6,93\+59	10,38\+64	38\3
Zhejiang University (China)	110\+81	13,91\+48	10,53\+33	46,26\+156	45,28\+138	45\3
Hokkaido University (Japan)	139\+36	9,26\+1,5	8,75\+5,5	46,30\+18	42,06\+17	17\2
Universidade Estadual de Campinas (UNICAMP) (Brazil)	195\+40	7,39\+31	8,96\+34	26,3\+59	30,73\+64	18\2
University of Calgary (Canada)	204	8,7	8,72	53,2	59,87	28/2,6
University of Texas at Austin (USA)	77	9,35	10,1	76,48	84,86	48,8/3
Imperial College London (Great Britain)	8	12,2	9,6	104,7	91,77	15,3/4
Reference values for KFU by 2020	99	4,3	5,7	25,8	30,21	17\2

1.2.1 Marketing Strategy for the Research Market

Paragraphs 1-6 shall be replaced with the following:

"Four strategic academic units (StrAUs) are being formed to meet the challenge of KFU's accelerated transformation into a world-class research university. They will make a research and educational framework of the University by 2020:

- 7P Translational Medicine;
- Eco-oil global energy and resources for future materials;
- Astrochallenge: cosmology, monitoring, navigation, applications;
- Transformation quadrature of teacher's training education 4T.

By 2020 KFU will achieve globally recognized research results within StrAUs owing to:

- Creating Centres of Excellence and world-class unique laboratories;
- Inviting world renowned scholars;
- Developing grant and scholarship support system;
- Collaborating with large companies and leading research and academic centres;
 - Cooperating with institutes of the Russian Academy of Science."

Relocate chapters 1.2.3.1 "Biomedicine and Pharmaceutics"; 1.2.3.2. "Oil Production, Oil Refining and Petrochemistry"; 1.2.3.3. "Advanced Materials"; 1.2.3.4. "Info-communication and Space Technologies"; 1.2.3.5. "New Interdisciplinary Centers of Excellence" to Appendix 13 "Chapters excluded from Activity Plan for Implementation of Program for Enhancing Competitive Ranking ("Roadmap") of Federal State Autonomous Institution of Higher Education "Kazan Federal University" among world leading research and academic centers for 2013-2020 (2nd stage – 2015-2016)".

Extend with the new following chapters:

"1.2.3.1. StrAU "7P Translational Medicine"

Goal: to form new solutions in human health protection by developing personalized translational medicine based on innovation model of transdisciplinary medical education and interdisciplinary scientific solutions. Underlying the StrAU

is a concept of the medicine of future, in which the 4P-medicine principle (Personalized; Predictive; Preventive; Participative) is expanded with additional 3P (Providing; Preemptive; Point of care).

Research done within the StrAU will be focused on five interrelated research areas: 1) neurotechnology; 2) personalized medicine; 3) regenerative medicine; 4) living system chemistry; 5) biomedical physics. Both fundamental research of translational research, phase T0, and applied translational research, phase T1, will be conducted in each area.

The University Clinic, four Centres of Excellence, three shared use centres for research equipment, Research and Education Centre for Pharmaceutics, as well as individual laboratories and departments from 10 KFU's institutes and faculties will also be included in the StrAU organised in the Institute of Fundamental Medicine and Biology. Transdisciplinary transformations of educational programs will be made for all the educational levels in biology, physics, chemistry and medicine. A uniform research and education domain will be formed in order to train healthcare staff, promote translational medicine, internationalize education and improve the University's competitiveness.

1.2.3.2. "Eco-Oil – Global Energy and Resources for Future Materials" Goal: to generate, concentrate and globally spread knowledge and technologies in the field of energy-efficient, clean and cost-effective technologies (EECCE-technologies) for exploration, production, processing, petrochemistry and gas chemistry of nonconventional hydrocarbon reserves, which will meet challenges connected with the global energy security and resource provision against the background of global climate change conditions and ecological problems.

Research and development done within the StrAU will be focused on five key complementary trends: 1) exploration and mining of hydrocarbon accumulations, deposit modelling, development of information technologies for exploitation monitoring and control; 2) development of EECCE-technologies for "subsurface oil refining" of nonconventional hydrocarbon reserves; 3) development of catalysts for oil production, refining and petrochemistry; 4) evaluation and prevention of

environmental risks in oil production; 5) innovation solutions in gas hydrate study and gas chemistry.

The StrAU will integrate five Centres of Excellence, three shared use centres for research equipment, departments and research laboratories from 7 KFU's institutes, as well as a catalyst production plant. In addition to the aforesaid, structures ensuring international and interdisciplinary network communication will be created to develop the StrAU and enter international learning service, research and development markets.

1.2.2.1. 1.2.3.3. StrAU "Astrochallenge: Cosmology, Monitoring, Navigation, Applications"

Goal: to create a unique world-class education-and-research and research-and-technical facility, providing systematic education in astrophysics, cosmic geodesy, radio physics, starting from study at school to gaining competences in the university in space exploration and application of space activity results in national economy; to improve KFU's academic reputation through promotion in "Physics and Astronomy" subject ranking.

Research done within the StrAU will be focused on five key complementary trends: 1) cosmology; 2) space navigation; 3) near and deep space monitoring; 4) applications of space activity results; 5) research facility prototypes. We are planning to develop world-class research laboratories with state-of-the-art experimental equipment for advanced projects (elaboration of new cosmologic and astrophysical models, selenocentric navigation network, detection and study of nonstable optical objects of different nature), form interdisciplinary teams, which will elaborate technologies for space activity result application in ecology, nature management, territory management.

The following divisions will be among the StrAU units: Division of Astrophysics and Cosmic Geodesy and Division of Radio Physics and Infocommunications of the Institute of Physics; Education and Research Centre for Space Exploration and Technologies; Centre of Gravity, Astrophysics and Cosmology; applied research cluster; departments from 6 institutes and faculties of KFU.

1.2.2.4.StrAU "Transformation Quadrature of Teacher's Training Education – 4T"

Goal: KFU evolvement as an educational centre for highly qualified teaching staff ("teachers of future"), world research centre for pedagogic studies and educational developments, as well as a world centre for multicultural and multilingual education. The StrAU is created as a solution to the global challenge: incompatibility of a conservative educational system to quickly changing life style and human activity; human flow migration and mobility; necessity to educate teachers of future ready for transformations.

We are planning to develop a professional pedagogical standard, which will permit KFU to become a unique classical higher education institution professionally retraining teachers through foreseeing competences and disciplines of future, forming flexibility to transform; conduct research and offer educational programs in contemporary physical, mathematical and engineering education within the newly created OpenLabs for engineering education, and centres of excellence in mathematical and physical education; conduct research and launch educational programs (including international programs, double-degree programs) in multicultural and bilingual education, aimed at educating bilingual teachers capable of working in a multicultural environment; develop and introduce innovation software products in educational process gamification, educational trajectory support, Big Data analysis of educational results, and conduct corresponding research in the aforesaid fields.

1.2.4. Education Market Strategy

Amend paragraph 7 to read as follows: "Besides, to pursue the concept of the research university and appropriate integration of research and academic components, we will revise the content of academic programmes and teaching methods and ensure the shift of emphasis to critical thinking and creativity development, and analysis method teaching. Strategic academic units created will act as a locomotive in this job."

Amend paragraph 9 to read as follows: "The academic environment in general, and the curricula in particular, will be highly internationalised due to the introduction of joint academic graduate and doctoral programmes with Top-200 foreign universities (50 programmes in priority areas by 2020), as well as graduate programmes offered in English (at least 50% of programmes by 2020). The University is planning to elaborate unique on-line courses (MOOC – massive open on-line courses) based on international educational platforms."

Amend sentences 4 and 5 in paragraph 12 to read as follows: "Within this Centre of Excellence, the further development is expected for the Educational and Laboratory Complex for General Physics established in 2011-2015 in close cooperation with LD Didactic (Germany), one of the world's leading producers of university laboratory equipment. In 2016 this Complex will considerably extend the scope of its research opportunities by opening new university laboratories – in photonics, medical physics and chemistry of new materials."

1.2.3. 1.2.5. Marketing Strategy for Prospective Students

- 1.2.4. Amend sentence 2 in paragraph 10 to read as follows: "Therefore in working with international applicants, long-term relationships with key universities in Turkic-speaking countries, higher education institutions and research centres of Kazakhstan, Uzbekistan, established through national programs "Mevlana", "Bolashak" etc., will be especially important."
- 1.2.5. Table 3 shall be renumbered Table 2.

1.2.6.

1.2.6. Marketing Strategy for Employer Market

Amend paragraph 7 to read as follows: "The majority of divisions and structures listed above will be organised within the formed StrAUs. The University will become a foundation in its priority areas for the leading international companies: IBM, Cisco, Unity 3D, ICL group of company, JSC Gazprom, JSC Rosneft, JSC Tatneft, JSC Taif, JSC Nizhenkamskneftehim, JSC Lukoil, JSC Zarubezhneft, JSC Kazan Synthetic Rubber Plant, Haldor Topsoe, Shell, Schlumberger, State Corporation *Rostec*, State Space Corporation *Roscosmos*, Toshiba Medical Systems Europe B.V., Pfizer, Inc., Janssen (pharmaceutical division of Johnson & Johnson)."

Amend paragraphs 8 - 19 to read as follows: "The largest and most promising projects, implemented by KFU in collaboration with employers and with their support, are:

- Projects by "Rostec-KFU" Centre of Competence for development of adaptive and near absolutely secure data transmission systems, and global satellite systems of high accuracy positioning;
- Projects by "Rostec" companies (JSC Roselectronics, JSC Shvabe, JSC
 KRET) for developing and creating a selection of civilian products;
- Projects for positioning support of lunar exploration, development of devices for the orbital lunar module and lunar robots;
- Development and implementation of preclinical and clinical drug trials with
 JSC "Tatchempharmpreparaty";

- Project for designing high-viscosity oil-pool development models using thermal catalytic processes in collaboration with JSC "Tatneft", JSC "Lukoil", with support of "Schlumberger";
- Development of a technology for thermal in-situ processing of high-viscosity oil for JSC RITEC, JSC Zarubezhneft, in collaboration with JSC Tatneft, with support of Xtel Inc. (USA);
 - Creation of catalysts and processes to reduce oil viscosity for JSC Tatneft;
- Creation of catalysts and processes to reduce oil viscosity for JSC Nizhenkamskneftehim, JSC Kazanorgsintez, JSC Kazan Synthetic Rubber Plant;
- A series of projects of "KFU-Keysight-Technologies" Scientific Centre in biochemistry (creation of antenna arrays to detect tumors in the human body without X-ray or magnetic radiation), agriculture (analysis of plant and microorganism viability in various stages of cultivation), and biotechnologies (analytical control of biopreparation production using the super-high-frequency method);
- Project for Rohde&Schwarz Company in the field of phased antenna arrays creation;
- Projects in the field of Smart City and fractal antenna development in collaboration with Cisco Systems;
- Creation of KFU Centre for Evidence-Based Medicine "Cochrane Russia";
- Creation of KFU RASA Translational Medicine Centre (RASA Russian-speaking Academic Science Association);
- Organising of RIKEN KFU research centre in Yokohama campus (Japan)."

1.2.9. Promising Research and Academic Facilities

Amend paragraph 5 to read as follows: "To ensure the progressive development of medical studies a University clinic was created in 2015 on the

basis of three major health-care institutions, the total area exceeds 47,000 sq.m., the Clinic is stuffed with state-of-the-art equipment."

Cross out paragraph 6.

Add the following clauses after paragraph 9: "– Upgrading of KFU medical unit (University Clinic); – Creation of WetLab and university laboratories for translational medicine in military hospital buildings being currently reconstructed and assigned to KFU."

Amend sentence 3 in paragraph 10 to read as follows: "3 new academic buildings along with KFU's research and education grounds in Japan and France and KFU clinic for 840 beds were commissioned in 2015. Furthermore, 450 staff members got new apartments, and dwelling for 170 invited scholars was commissioned in 2015, as well. All the students are provided with comfortable accommodation."

1.2.10 Economic and Financial Model

Table 4 "Financial Plan" shall be renumbered Table 3 and amended to read as follows:

Indicators	2016	2017	2018	2019	2020
Revenues, mln RUB, including	7350	9660	10880	13490	16010
Education	5100	5600	6100	7300	8300
Research and R&D	1200	1400	1600	2000	2500
Endowment and alternative funding sources	150	160	180	190	210
Programme for Enhancing KFU's Competitive Ranking	900	2500	3000	4000	5000
Expenses, mln RUB, including	7350	9660	10880	13490	16010
Operating expenses	5900	7500	8050	8700	9550
Capital expenditures	1450	2160	2830	4790	6460

1.2.11 Management and Structural Reorganisation

Amend paragraph 4 to read as follows: "- Improvements in the organisational structure based on the merger of departments and reduction in the number of management levels. Strategic academic units will be formed in KFU in order to

improve its management efficiency, invite highly qualified specialists and develop well-balanced and globally competitive teams. Such units will be managed with due account of work activity management practices used by the world's leading research and education centres¹. Optimization of structural subdivisions will be supported by a proven system of internal complex ranking of institutes, faculties and departments using the integral efficiency evaluation of division development program indicators formed on the basis of target indicator decomposition in the University Road Map. Specifically, the number of KFU institutes is supposed to be reduced from 19 in 2015 to 12 in 2020;".

1.3 Strategic Initiatives

1.3.1 SI 1. Development of Programme Portfolio and Intellectual Products Ensuring the University's International Competitiveness

Amend paragraphs 1, 2 to read as follows: "Starting from 2016, the development of new programmes will be initiated by the supervisors of the relevant priority research areas and submitted for approval to newly created profile expert groups of the International Academic Council of KFU.

The programmes will be developed with the involvement of scientific teams conducting successful research in promising interdisciplinary areas, including: medicine (translational medicine, regenerative medicine, personalized medicine, neuro technologies, biophysics, bioinformatics and medical cybernetics, nanobiotechnologies, medical chemistry, pharmacology), power engineering, oil production, material sciences, informatics, astronomy, geophysics, teacher's training education, cultural linguistics, applied economics, and urban studies."

Replace the words "start" in sentence 1 of paragraph 3 with the words "have been launched".

Amend sentence 2 in paragraph 4 to read as follows: "KFU plans to launch at least 30 double-diploma programmes by 2020. The key partners will be universities with renowned expertise in the relevant areas: the University of Nancy, France; the Federal Polytechnic School of Lausanne, Switzerland; the University of Birmingham, Great Britain; and French Institute of Petroleum, France."

Cross out sentence 2 in paragraph 6.

Amend sentence 2 in paragraph 8 to read as follows: "The second stage implies full transition of some basic academic programmes into distance-learning format within individual educational trajectories, which provides considerable openness of education."

1.3.2 SI 2. Invitation of External Experts and Development of Key University Staff, Improving the Qualifications of Research and Teaching Staff

Replace the words "In 2015" in paragraph 2 with the words "In 2016".

Replace the words "In 2015-2016" in sentence 3 of paragraph 12 with the words "In 2016-2017".

1.3.3 SI 3. Attracting Talented Students, Doctoral Candidates and Young Researchers

Replace the words "In 2015" in sentence 2 of paragraph 4 with the words "In 2016".

1.3.4. SI 4. Development of Key Emerging Areas Coupled with Phasing Out of Inefficient Activities

Amend paragraphs 1, 2 to read as follows: "In promoting its breakthrough research and development areas, KFU will continue creating units, which generate world-class research results and their applications, and rely on solutions that have proven their effectiveness, including: Personalized Research Centres, headed by prominent foreign and Russian scientists (by providing "maximum favourable"

conditions for them); the OpenLab system; large-scale projects and collaboration with the world's leading research centres, as well as joint departments opened in collaboration with RAS institutions and leading companies with a focus on StrAUs' priority areas.

In StrAU development we will move forward from tailoring the facilities and platforms of the Centres of Excellence to further evolution and consolidation of KFU's advantages in their specific niches. Research management efficiency will be improved due to implementation of a single research, educational and development policy. Not less than three new Centres of Excellence will be opened based on KFU's competencies in humanities and experience in efficient management of interdisciplinary studies."

1.3.5 SI 5. Enhancement of the University's Management and Financial System

Replace the words "In 2015 - 2016" in sentence 2 of paragraph 3 with the words "In 2016-2017".

Replace the words "In the year 2015" in sentence 2 of paragraph 6 with the words "In the year 2017".

Amend sentence 3 in paragraph 7 to read as follows: "Starting from 2016 strategic academic units will serve as pilot projects for management system changes at subdivision level".

Amend sentence 4 in paragraph 9 to read as follows: "A 180% increase in the percentage of revenues earned from non-budgetary sources is scheduled for the period from 2016 to 2020".

Replace the words "starting from the fiscal year 2015" in sentence 2 of paragraph 11 with the words "starting from the fiscal year 2016".

1.3.7 SI 7. Strategic Positioning of KFU in Global Academic Community to Improve KFU's Academic Reputation

Replace the words "in the top-quartile" in sentence 2 of paragraph 2 with the words "in the top-quartiles Q1 and Q2".

Add the following sentence after sentence 4 in paragraph 3: " At the same time KFU will elaborate an information and material incentive system for its staff, preventing possible engagement in editions with checkered or doubtful reputation."

1.3.8 SI 8. Developing and Implementing the Marketing Strategy and University Promotion in the Global Information Space

Replace the words "in 2015" in sentence 1 of paragraph 2 with the words "in 2017".

1.3.9 SI 9. KFU Portal-Based Implementation of "Supersite" Concept

Cross out sentence 2 in paragraph 2.

Cross out paragraphs 3–5.

Cross out clauses 1.1–1.2; 2.1–2.4; 3.1–3.4.

Cross out the sentence "The portal promotion will involve a number of activities:" in clause 4.

Cross out clauses 4.1–4.2.

Form 1. Corrected performance indicators of the Activity plan on the implementation of the Program for Enhancing Competitive Ranking of Kazan Federal University ("the Roadmap") for 2013-2020 (2nd stage - 2015-2016)

		Measurement		In	dicator	value		
No	Indicator	unit	Real value		Pla	anned val	lue	
			2015	2016	2017	2018	2019	2020
	Compulsory performan	nce indicators			•		'	
1.	Position (accurate within 50) in global leading rankings (overall and by subject areas)							
1.1.	Position in THE ranking, overall	position	301-350	301-350	301-350	251-300	226-250	175
1.2.	Position in QS ranking, overall	position	551-600	440	390	310	180	99
1.3.	Position in QS ranking, by subject areas - Physics & Astronomy	position	-	151-200	151-200	101-150	101-150	51-100
1.4.	Position in QS ranking, by subject area - Chemistry	position	-	151-200	151-200	101-150	101-150	51-100
1.5.	Position in QS ranking, by subject area - Medicine	position	-	-	-	151-200	101-150	51-100
1.6.	Position in QS ranking, by subject area - Biological Science	position	-	-	-	151-200	101-150	51-100
1.7.	Position in QS ranking, by subject areas - Earth & Marine Sciences	position	-	-	-	-	151-200	101-150
1.8.	Position in QS ranking, by subject area - Mathematics	position	-	301-400	201-300	151-200	101-150	51-100
1.9.	Position in QS ranking, by subject areas - Computer Science & Information Systems	position	-	-	-	-	-	151-200
1.10.	Position in QS ranking, by subject area - Linguistics	position	-	151-200	151-200	101-150	101-150	51-100

1.11.	Position in QS ranking, by subject areas - Engineering-Mineral & Mining	position	-	-	-	-	-	51-100
1.12.	Position in QS ranking, by subject area - Education	position	-	-	-	201-300	151-200	101-150
1.13.	Position in ARWU ranking, overall	position	-	-	-	-	-	-
1.14.	Position in ARWU ranking, by subject areas	position	-	-	-	-	-	-
2.	Number of articles in Web of Science and Scopus databases per faculty without duplication							
2.1.	Number of publications in Web of Science per faculty member (within past 5 years)	number	1,18	1,53	1,98	2,56	3,32	4,30
2.2.	Number of publications in Scopus per faculty member (within past 5 years)	number	2,12	2,41	2,99	3,71	4,60	5,70
3.	Average citation indicator per faculty member calculated based on aggregate of articles indexed in Web of Science and Scopus databases, without duplication							
3.1.	Average citation indicator per faculty member calculated based on aggregate of articles indexed in Web of Science database (within past 5 years)	number	3,16	4,79	7,30	11,12	16,94	25,80
3.2.	Average citation indicator per faculty member calculated based on aggregate of articles indexed in Scopus database (within past 5 years)	number	4,09	5,61	8,55	13,02	19,84	30,21
4.	Percentage of international professors, faculty members and researchers in the number of teaching and research staff, including Russian citizens with PhD degree conferred by international universities	%	3,30	4,3	5,7	7,5	9,8	12,0
5.	Percentage of international students enrolled in major academic programs (including students from CIS countries)	%	8,20	8,4	9,0	9,8	12,0	15,0
6.	Average Unified State Examination (hereinafter - USE) scores of students admitted for full-time Bachelor's and Specialist degree programmes (funded by the Russian federal government)	point	76,40	76,4	76,4	76,6	76,8	77,0
7.	Revenues from non-budgetary sources, as percentage of total revenues	%	42,70	43,0	45,0	48,0	51,0	53,0
8.	Percentage of students enrolled in master's degree programs, postgraduate programs having bachelor's diploma, specialist's diploma or master's diploma	%	23,1	24,0	25,0	26,0	27,0	28,0

	from other organizations in the total number of students of master's degree and postgraduate programs							
9.	Scope of R&D work per one faculty member	tsd rubles	471,2	600	800	1 000	1 200	1 400
	Additional performance indicator	rs set by the Un	iversity		<u> </u>		<u> </u>	
10.	Graduate and postgraduate and students of all study forms, as percentage of total student number	%	14,07	15,0	20,0	25,0	29,0	35,0
11.	Doctors of Sciences and PhD, as percentage of total academic staff	%	19,2	22,0	25,0	28,0	31,0	35,0
12.	Faculty members with work experience and long-term internships in world leading research and educational centres, as percentage of total academic staff	%	20,0	25,0	30,0	35,0	40,0	50,0
13.	Revenues from research work and R&D as percentage in total University revenues	%	18,0	18,2	18,4	18,6	18,8	19,0
14.	Position in Webometrics ranking	position	1 487	500	300	200	150	100
	According to Individual Unive	rsity's Methodo	ology					
1.	Position (accurate within 50) in the world's leading rankings (overall and by subject areas)							
1.1.	QS ranking, overall	position	551-600	440	390	310	180	99
1.2.	QS ranking, by subject areas - Mathematics	position	-	301-400	201-300	151-200	101-150	51-100
1.3.	QS ranking, by subject areas - Physics &Astronomy	position	-	151-200	151-200	101-150	101-150	51-100
1.4.	QS ranking, by subject areas - Chemistry	position	-	151-200	151-200	101-150	101-150	51-100
1.5.	QS ranking, by subject areas - Linguistics	position	-	151-200	151-200	101-150	101-150	51-100
1.6.	QS ranking, by subject areas - Earth & Marine Sciences	position	-	-	-	-	151-200	101-150

2.	Number of articles in Web of Science and Scopus databases, per faculty	number	1,88	1,9	2,2	2,6	3,3	4,3
	member without duplication							
3.	Average citation index per faculty member, calculated based on aggregate of	number	11,9	16,9	24,3	34,9	40,1	50
	articles indexed in Web of Science and Scopus databases, without duplication							
4.	International professors, teachers and researchers in total faculty, including	%	3,80	5,0	6,6	8,7	11,4	14,0
	Russian citizens with PhD of international university, as percentage of total							
	academic staff							
5.	International students taking basic educational programs in the university	%	8,20	8,4	9,0	9,8	12,0	15,0
	(including students from the CIS), as percentage of total student number							
6.	Average Unified State Examination (hereinafter - USE) scores of students		76,40	76,4	76,4	76,6	76,8	77,0
	admitted for full-time Bachelor's and Specialist degree programmes (funded by	point						
	the Russian federal government)							
7.	Revenues from non-budgetary sources, as percentage of total revenues	%	42,70	43,0	45,0	48,0	51,0	53,0

Form 2. Funding of the Activity plan on the implementation of the Program for Enhancing Competitive Ranking ("the Roadmap") of Kazan Federal University for 2013-2020 (2nd stage 2015-2016) from subsidies allocated for the state support of leading universities of the Russian Federation and aimed at increasing their competitive ranking among world-class research and educational centers

rub.

20	13	20	2014		15	2016 (planned value)			
(real value)		(real v	(real value)		alue)	Total amount		Including	1 st semester
						From From extra- subsidies budgetary funds		- From From extr subsidies budgetary funds	
	Tunus		funds		lulius		Tulius		lulius

1.	Costs from subsidies and extra- budgetary sources relating to the implementation of "the Roadmap" allocated for the activities under the Decree of the Government of the Russian Federation No 211 dated March 16, 2013 including	707 399,99	70 487 000,00	632 208 107,47	139 560 400,00	849 955 748,32	6 416 378,00	900 000 000,00	180 000 000,00	42 200 000,00	8 440 000,00
	a) implementation of measures on forming personnel pool with senior management of universities and recruitment of specialists with job experience in world and Russian leading universities and research organizations	249 513,85	290 000,00	1 074 733,92	77 000,00	14 223 800,00	0,00	20 088 000,00	4 017 600,00	0,00	0,00
	6) implementation of measures on recruitment of young research and teaching staff with job experience in R&D and education in leading foreign and Russian universities and research organizations	0,00	0,00	42 886 932,88	10 730 000,00	68 467 914,24	799 328,00	88 500 000,00	17 700 000,00	18 700 000,00	3 740 000,00
	B) implementation of international and Russian academic mobility programs in forms of internships, advanced training and professional retraining and other forms for research and teaching staff	364 897,23	1 975 000,00	39 791 121,32	3 933 000,00	45 907 593,50	1 253 478,00	86 000 000,00	17 200 000,00	5 000 000,00	1 000 000,00
	r) implementation of measures for upgrading postgraduate and doctoral programs	0,00	0,00	654 251,40	46 000,00	0,00	1 197 771,00	13 300 000,00	2 660 000,00	0,00	0,00
	д) implementation of measures on support of undergraduate and postgraduate students, as well as trainees and young research and teaching personnel	0,00	0,00	90 448 914,58	6 209 000,00	57 037 754,66	2 076 490,00	44 100 000,00	8 820 000,00	10 500 000,00	2 100 000,00

	e) introduction of new academic programs jointly with leading international and Russian universities and research organizations	0,00	360 000,00	12 685 580,99	11 236 000,00	27 672 930,19	0,00	29 520 000,00	5 904 000,00	0,00	0,00
	ж) implementation of recruitment measures aimed at students from world leading universities to study in the Russian universities achieved through partnership academic programs with international universities and associations of universities	73 014,92	0,00	6 593 099,96	1 539 000,00	4 425 400,04	351 417,00	78 471 800,00	15 694 360,00	0,00	0,00
	3) implementation in the framework of R&D plans in compliance with the program of long term fundamental research in the Russian Federation as well as international priority areas of fundamental and applied research:	19 973,99	67 862 000,00	438 073 472,42	105 790 400,00	632 220 355,69	737 894,00	540 020 200,00	108 004 040,00	8 000 000,00	1 600 000,00
	1. Research projects involving world and Russian leading scientists for supervision and (or) with prospective research organization for possible collaboration including launch of university subdivisions	19 973,99	67 862 000,00	438 073 472,42	105 790 400,00	632 220 355,69	737 894,00	519 520 200,00	103 904 040,00	8 000 000,00	1 600 000,00
	2. R&D projects jointly with Russian and international hi-tech organizations including possible launch of structural university subdivisions	0,00	0,00	0,00	0,00	0,00	0,00	20 500 000,00	4 100 000,00	0,00	0,00
2.	Costs from extra-budgetary sources relating to the implementation of "the Roadmap" excluding the costs on the activities of the Decree of Government No 211 dated March 16, 2013	99 70	53,00					183 650	000,00		
3.	Costs from other sources relating to the implementation of "the Roadmap"							303 650	000,00		

	excluding costs from subsidies and extra-budgetary sources				
4.	Allocated amount of subsidies	592 400 000,00	600 000 000,00	378 000 000,00	900 000 000,00
5.	Remaining balance of subsidies by the end of year	591 692 600,01	559 484 492,54	87 528 744,22	-

Planned amount of subsidies for general system activities in 2016 is 150, 000, 000 roubles.

Form 3. Planned schedule for formation and development of KFU Strategic Academic Units (StrAU)

			Implement	ation fo	rm (qua	rterly)				
No	Name of activity	April – September 2016	October – December 2016	2017	2018	2019	2020	Results	Responsible authorities	«Road map» activities
	1. University-wide events for									
	formation and development of StrAU									
1.1.	Appointment of a person (curator) from	II qtr.						Orders	Director of the	5.1.2
	the top managers of the educational								Center for	
	institution, responsible for development								Prospective	
	of StrAUs and implementation of								Development, I.	
	activities of StrAUs calendar plan								Kuzmishin	
1.2.	Determination and formation of	II–III qtr.						Orders,	Heads of StrAUs,	5.2.1
	university structural divisions, forming							instructions	Director of the	4.2.2
	each particular university StrAU,								Center for	5.3.4
	determination of internal structure of								Prospective	
	each university StrAU (allocation and								Development, I.	
	formation, if necessary, of laboratories								Kuzmishin	
	and structural divisions of StrAU)									
1.3.	Appointment of research head and	II qtr.						Orders, minutes	Heads of StrAUs,	5.1.2
	executive head of StrAU out of number							of meetings of	Director of the	
	of candidates, recommended by							Supervisory and	Center for	
	Supervisory and Academic Boards of							Academic	Prospective	
	the university							Boards	Development, I.	
									Kuzmishin	

1.4.	Development and approval of a management system of StrAU system of	II–III qtr.	IV	qtr.					Orders, instructions	Heads of StrAUs	5.2.1 5.3.4
	university										
1.5.	Determination and approval of major	II–III qtr.	IV	qtr.					Orders,	Heads of StrAUs,	5.2.1
	functions of StrAU system of university								instructions,	Director of the	
	and each particular StrAU, of rules and								regulations,	Center for	
	regulations governing the cooperation								provisions	Prospective	
	between StrAU system of university,									Development, I.	
	each particular StrAU and other									Kuzmishin	
	structural divisions of university										
1.6.	Consideration by Supervisory Board,		IV	qtr.	IV qtr.	IV qtr.	IV qtr.	IV qtr.	R&D reports on	Vice-Rector for	5.2.1
	International Advisory Board and								STRAU for the	Research D.	5.3.1
	Scientific Council of the University								reported period,	Nurgaliev, Heads	
	(subject to approval) prepared by								activities plan	of StrAUs, Director of the	
	university 3-year development plans of								and budget for	Center for	
	educational activities and research								the planned	Prospective	
	activities of each StrAU, including,								period, minutes	Development, I.	
	information on the development and								of meetings of	Kuzmishin	
	implementation of new academic								Supervisory,		
	programs (including cooperation with								Academic and		
	leading Russian and international R&D								International		
	centers and other partners), trends and								Boards		
	research projects designed to obtain										
	unique results within the framework of										
	solving global challenges of research										
	and technological development and										
	long-term scientific and technological										
	challenges, including the needs of the										

	Russian Economics (in cooperation with leading Russian and international scientific and educational centers and other partners)								
1.7.	Determination of principles of staff formation of each particular StrAU to implement functions assigned to them and the planned performance indicators of planned values, the formation of staffing of each specific university StrAU	II qtr.	I qtr.	I qtr.	I qtr.	I qtr.	Orders, staffing register, job instructions, efficient contracts	Heads of StrAUs	5.1.2 5.1.3 5.3.2
1.8.	Identification of main sources of financing and formation of planned revenue targets of every StrAU, to ensure its development, taking into account formed plans for educational and research activities, definition of financial models and parameters of financial support of StrAU university system and of separate StrAU	II qtr.	I qtr.	I qtr.	I qtr.	I qtr.	economic	Heads of StrAUs, Project office, Vice-Rector for Finance Mullakaeva R.R.	5.2.1 5.5.1
1.9.	Determination of main indicators of StrAU effectiveness and planned values for the purposes of internal control by institution of its development and performance and management decisions, including terms of resource support for its activities	II qtr.	I qtr.	I qtr.	I qtr.	I qtr.	StrAU approved performance indicators	Heads of StrAUs	5.2.1 5.3.2

1.10.	Conclusion of agreements on	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV qtr.	I–IV	Agreements,	Heads of StrAUs,	1.1.1
	cooperation between university and its	•	•	qtr.	qtr.		qtr.	cooperation	Vice-Rector for	1.1.8
	major international and Russian partners			1	•		•	agreements,	International	2.2.3
	for the implementation of the relevant							memorandums,	Affairs, Latypov	4.1.3
	sub-schedule and ensure the effective							etc	L.N.	4.2.3
	development of each particular									
	university StrAU									
1.11.	Implementation of subsections measures	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV qtr.	I–IV	Reports on	Heads of StrAUs	SI1 – SI4
	on the development of educational			qtr.	qtr.		qtr.	academic and		activities
	activities and sub-sections for research							R&D according		
	work sections schedule for each specific							to StrAU		
	StrAU university as a part of approved							planned		
	three-year plans for the development of							schedule		
	educational activities and research and									
	development activities (development of									
	educational programs, organization of									
	conferences, consultations etc.)									
1.12.	Operation of each particular university	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV qtr.	I–IV	Maintenance	Heads of StrAUs,	5.2.1
	StrAU for allocation of necessary			qtr.	qtr.		qtr.	and coordination	Project office	5.5.1
	resources and work organization							of StrAU		
								projects		
1.13.	Conducting information activities of	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV qtr.	I–IV	Information	Heads of StrAUs,	
	StrAU system of university and of each			qtr.	qtr.		qtr.	support for	Director of Media	9.3.1
	specific StrAU							StrAU project	Relations	9.3.3
								implementation	Department, Mukhtarova L.M.,	8.3.1
									Director of	
									UNIVER Media	
									Center, Karimov	

									I.A.	
1.14.	Consideration of StrAU calendar plan results at the end of the year at the meeting of supervisory board of university within the framework of general report on "road map" implementation results		IV qtr.	IV qtr.	IV qtr.	IV qtr.	IV qtr.	Board protocols of meetings	Heads of StrAUs, Director of the Center for Prospective Development, Kuzmishin I.A.	5.2.1 5.3.1
	2. Formation and development of	StrAU Miss	ion :							
	StrAU «Translational 7P medicine»	New solution	ons in the ar	ea of hur	nan healt	h by deve	loping p	ersonal translation	al medicine on the	basis of innovative
			ew solutions in the area of human health by developing personal translational medicine on the basis of innovative odel of transdisciplinary medical education and interdisciplinary scientific solutions. In the basis of StrAU is lied							
		the concept	e concept of the medicine of future in which the principle of 4 "P" (Personalized; Predictive; Preventive;							
		Participativ	e) is extende	ed by an	additiona	ıl three "P	" (Provi	ding; Preemptive; I	Point of care).	
		StrAU goals	s:							
		construct	ion of infras	structure	and impl	ementatio	n of scie	entific and education	onal programs trans	sfer and application
		of innovativ	e developm	ents in tl	ne area of	f translatio	onal 7P r	nedicine;		
						_	_			nistry and medicine
							-	<u> </u>	•	the development of
									etitiveness of the u	=
			_	_					-	on with the world's
									,	RIKEN "Functional
		,						Center "Cochrane	,	
			v	U		0 0		nd development ST	RAU:	
		Position in							1	
2.1.	Organizational-economic and	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV		Normative	Head of the prior	•
	regulatory support			qtr.	qtr.	qtr.		documentation	area "Biomedicir	
							•	elaborating	and Pharmaceutic	cs"
									Kiyasov A.P.,	

				Vice-Rector for	
				Economic and	
				Strategic	
				Development	
				Safiullin M.R.	
2.1.1	Appointment of Research head and	II qtr.		Head of the priority	
	Executive head of StrAU out of			area "Biomedicine	5.2.1
	candidates, recommended by		Executive head	and Pharmaceutics"	
	Supervisory and Academic Boards of			Kiyasov A.P.,	
	university (subject to approval).			Vice-Rector for	
				Economic and	
				Strategic	
				Development	
				Safiullin M.R.	
2.1.2	Determination of StrAU internal	II qtr.	Determined internal	Head of the priority	4.2.2
	structure	•		area "Biomedicine	
				and Pharmaceutics"	5.3.4
				Kiyasov A.P.	
2.1.3	Formation of StrAU staffing register	II qtr.		Head of the priority	5.2.1
		1	staffing register	area "Biomedicine	
				and Pharmaceutics"	
				Kiyasov A.P.	
214	Defining parameters of financial model	II qtr.		Head of the priority	5 2 1
2.1.4	and financial support of StrAU	n qu.		area "Biomedicine	
	and imaneiar support of StrAC			and Pharmaceutics"	3.3.1
				Kiyasov A.P.,	
				Vice-Rector for	
				Economic and	

	Conclusion of agreements of cooperation between university and its leading international and Russian partners for implementation of relevant sub-schedules and ensure effective development of StrAU	I–III qtr.	IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	companies	Strategic Development Safiullin M.R. Head of the priority area "Biomedicine and Pharmaceutics" Kiyasov A.P.	1.1.8 2.2.3 4.1.3 4.2.3
2.1.6	Formation of quality management system, assessment and monitoring of key performance indicators of StrAU	III qtr.						Formed quality management system	Head of the priority area "Biomedicine and Pharmaceutics" Kiyasov A.P., Deputy Director of the Institute of Fundamental Medicine and Biology for Research Fajzullin R.I.	
2.2.	Development of educational activities								Deputy Director of the Institute of Fundamental Medicine and Biology for Medical Education Gumerova A.A., Deputy Director of the Institute of	

								Fundamental Medicine and Biology for Biological Education Sabirov R.M.	
2.2.1	Admission plan on the 1st year of	III qtr.	1-year students	Deputy Director of	3.1.1				
	education						enrolment	the Institute of	3.2.2
	(number of people):	145	140	130	120	110		Fundamental	
	(number of people).	260	260	260	260	260		Medicine and	
	– bachelor programs	73	80	90	100	110		Biology for	
	– specialist programs							Medical Education	
	specialist programs							Gumerova A.A.,	
	– master programs							Deputy Director of	
								the Institute of	
								Fundamental	
								Medicine and	
								Biology for	
								Biological	
								Education	
								Sabirov R.M.,	
								Head of the	
								Department of	
								Botany and Plant	
								Physiology Timofeeva O.A.,	
								Associate Professor	
								Baltina T.V.	

2.2.2	Development of master networking	III qtr.		III qtr.	III qtr.	III qtr.	III qtr.	minimum 9	Deputy Director of	1.1.1
	programs (number of programs)	1		1	2	2	3		the Institute of	1.1.5
									Fundamental	1.2.4
									Medicine and	
									Biology for	
									Medical Education	
									Gumerova A.A.,	
									Deputy Director of	
									the Institute of	
									Fundamental	
									Medicine and	
									Biology for	
									Biological Education	
									Sabirov R.M., Head	
									of the Department	
									of Botany and Plant	
									Physiology	
									Timofeeva O.A.,	
									Associate Professor	
									Baltina T.V.	
2.2.2	T		TX 7	TX 7	TX 7	TT 7	TX 7	N 6	D . D:	1 1 1
2.2.3	Increasing amount of academic		IV qtr.	IV qtr.	IV qtr.	IV qtr.	IV qtr.		Deputy Director of	
	programs taught in English language, the amount of international students, the							or general	the Institute of Fundamental	1.1.2
	,							academic programs	Medicine and	1.1.3
	amount of PhD double degree programs with partner universities and amount of							In Hnglich ic /II	Biology for	1.1.5
	basic academic programs having							Minimum number	Medical Education	1.2.3
	international professional and social							of PhD double	Gumerova A.A.,	1.2.4
	accreditation:							degree programs is	,	
								12,	Deputy Director of	
	 basic education program in English 								the Institute of	

– amount of international students						of general	Fundamental
double decree destard macrones						academic programs	Medicine and
 double-degree doctoral programs 						with international	Biology for
- programs with international	5	6	8	10	12	accreditation is 12	Biological
accreditation	11,5 %	12 %	14 %	15 %	16 %		Education
	1	2	2	3	4		Sabirov R.M.,
	1	2	2	3	4		Deputy Director of
							the Institute of
							Fundamental
							Medicine and
							Biology for
							Research
							Fajzullin R.I.,
							Head of the
							Department of
							Human and Animal
							Physiology
							Sitdikova G.F.
							Head of the
							Department of
							Microbiology
							Ilinskaya O.N.,
							Head of the
							Department of
							Genetics
							Chernov V.M.,
							Head of the
							Department of

								Biochemistry and Biotechnology Kiyamova R.G.	
2.2.4	Training of highly qualified personnel in the internship, graduate school (the number of new programs)		III qtr. 16	III qtr.	III qtr.	-	Minimum number of new programs is 36	Deputy Director of the Institute of Fundamental Medicine and Biology for Medical Education Gumerova A.A., Deputy Director of the Institute of Fundamental Medicine and Biology for Research R. Faizullin.	1.2.2 1.2.3 1.2.4
2.2.5	Advanced training /internships and programs of academic mobility for StrAU R&D employees in the area of organization and teaching methods of medical-biological, chemical, physical and humanity subjects in leading international partner university (the amount of employees completed training programs/internships and academic mobility programs)	III qtr.	III qtr.	III qtr. 10	III qtr. 10	10	Minimum 42 employees having taken advanced training programs/ internships and academic mobility programs	Madiaina and	2.2.1 2.2.2 5.1.1 5.2.2

2.3.	R&D for the ensuing year and	I–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV		S.I.,Director of the Institute of Social Sciences, Philosophy and Mass Communications, Shchelkunov M.D., Director of the Institute of International Relations, History and Oriental Studies Khairutdinov R.R.	
	planned period	1	1	qtr.	qtr.	qtr.	qtr.		the Institute of Fundamental Medicine and Biology Rizvanov A.A.	
2.3.1	Research and development in the areas: (1) Neurotechnologies, (2) Personalized medicine, (3) Regenerative medicine, (4) Chemistry of living systems, (5) Biomedical physics	I–III qtr.	IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	citation index per one faculty member per year	Chief researcher of the Institute of Fundamental Medicine and Biology Rizvanov A.A., Vice-Rector for Education Tayurskyi D.A.,	4.2.1 4.2.2 4.2.3

								Director of Alexander Butlerov Institute of Chemistry Galkin V.I., Chief researcher Khazipov R.N., leading researcher Gusev O.A.	
2.3.2	Establishing of Centers of Excellence (amount of centers)	II qtr. 5	II qtr.	II qtr.	II qtr.	II qtr.	minimum 11 centers	Chief Researcher of the Institute of Fundamental Medicine and Biology Rizvanov A.A., Vice-Rector for Education Tayurskyi D.A., Director of Alexander Butlerov Institute of Chemistry Galkin V.I., Chief researcher Khazipov R.N., leading researcher Gusev O.A.	4.1.5 4.2.1 4.2.2 4.2.3
2.3.3	Establishing of Center "Cochrane Russia"	II qtr.					Establishing of the Center	Head of the Department of Fundamental and	4.1.5 4.2.1 4.2.3

									Clinical pharmacology	
2 2 4	Establishing of Center for Translational	II qtr.						Establishing of the	Ziganshina L.E. Chief researcher	4.1.5
2.3.4	Medicine KFU RASA	n qu.						Center	Litvinov R.I,	4.2.1
	Medicine KI O KASA							Center	Head of the	4.2.3
										4.2.3
									Department of	
									Biochemistry and	
									Biotechnology	
2.2.5		TT 4						E (11: 1: 64	Kiyamova R.G.	4 1 5
	Establishing of Center "KFU-RIKEN	II qtr.						Establishing of the	Leading researcher	
	functional and applied genomics"							Center	Gusev O.A	4.2.1
										4.2.3
	Clinical studies of new methods of	III qtr.		_	_	_	_	minimum 180	Senior researcher	4.2.2
	diagnostics, prevention, rehabilitation	10		20	40	50	60		Abdulkhakov S.R.	4.2.3
	and disease treatment (amount of									
	studies)									
2.4.	Miscellaneous									
2.4.1	Diversification of the University's	I–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	Increase of non-	Head of the priority	5.5.1
	revenue model, increase of non-budget		136 %	qtr.	qtr.	qtr.	qtr.	budget financing	area "Biomedicine	
	financing from StrAU education,			168 %	194 %	262,5%	411 %	from StrAU	and Pharmaceutics"	
	research and clinical activities (%, in							education, research	Kiyasov A.P	
	relation to 2015)							and clinical		
								activities		
	3. Formation and development of	Mission of S	StrAU:	,						
	StrAU "Ecooil – global energy and	Leadership	in generati	on, conce	entration	and glob	al expan	sion of knowledge a	and technology in th	e area of energy

	resource for materials of the future"	saving, env	vironmental	ly friend	y and ef	ficient f	uel techn	ologies (EEE-techn	ologies) of explorat	ion, production,			
		refining, oi	il and gas c	hemistry	of unco	nvention	al hydrod	carbon reserves in 1	response to the chall	enges of global			
		energy secu	urity and res	ourcing i	n terms o	f climate	e change a	and environmental p	roblems on the plane	t.			
		StrAU goal	ls:										
		- creation o	of process-o	riented n	nanageme	ent syste	m and org	ganizational structur	e of StrAU;				
		creation	of global ne	etwork ed	ucationa	l system	in the "E	cooil" area (inform	ation and competenc	e "at first hand"			
		– from labo	oratories and	l test-indi	ıstries);								
		formatio	n of new ge	enerations	of profe	ssionals,	, research	ers and engineers, v	vho work in oil and g	gas industry and			
		related area	as and who a	are willin	g to conti	inuously	develop	skills and creative th	ninking within the co	ncept of lifelong			
		learning;	- creation of experimental and technological basis in the area of exploration competencies, production and deep processing of hydrocarbons;										
		1											
		_			_		_		new services and star	t-ups, high-tech			
		٢	iversity grad	`			*	, ,					
		– StrAU bu	idget diversi	fication b	by attract	ing addit	ional exti	a-budgetary funding	g from oil and oil serv	vice companies.			
		Dositions in	a tha subject	t ratings	on the ha	gig of for	mation a	nd development of S	tr A I I .				
			•					100 by 2020;	IIAU.				
								Sciences – 101–150	by 2020;				
								neral & Mining – 51	-100 by 2020				
			QS ranking	g, by subj	ect areas	- Mather	matics – 5	51–100 by 2020					
3.1.	Organizational, economic and regulatory	,							Vice-Rector for				
	support								Research				
			Nurgaliev D.K.,										
									Vice-Rector for				
									Economic and				
									Strategic				
									Development				

				Safiullin M.R.	
3.1.1	Appointment of Research head and	II qtr.	Appointed	Vice-Rector for	5.1.2
	Executive head of StrAU out of		Research head and	Research	5.2.1
	candidates, recommended by		Executive head	Nurgaliev D.K.,	
	Supervisory and Academic Boards of			Vice-Rector for	
	university (subject to approval).			Economic and	
				Strategic	
				Development	
				Safiullin M.R.	
3.1.2	Determination of internal structure of	II qtr.	Determined	Vice-Rector for	4.2.1
	StrAU		internal structure	Research	4.2.2
			of StrAU	Nurgaliev D.K.	4.2.3
					5.2.1
					5.3.4
3.1.3	Formation of StrAU staffing register	II qtr.	Formed staffing	Vice-Rector for	1.1.6
			register	Research	2.1.1
				Nurgaliev D.K.	2.1.2
					2.1.4
					5.2.1
					5.3.4
3.1.4	Defining parameters of financial model	II qtr.	Determined	Vice-Rector for	5.2.1
	and financial support of StrAU		financial model	Research	5.5.1
				Nurgaliev D.K.,	
				Vice-Rector for	
				Economic and	
				Strategic	
				Development	

									Safiullin M.R.	
3.1.5	Conclusion of agreements of	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	Signing	Vice-Rector for	1.1.1
	cooperation between university and its			qtr.	qtr.	qtr.	qtr.	agreements with	Research	1.1.8
	leading international and Russian							minimum 26	Nurgaliev D.K.	2.2.3
	partners for implementation of relevant							universities and 12		4.1.3
	sub-schedules and ensure effective							companies		4.2.3
	development of StrAU									
3.1.6	Formation of quality management		IV qtr.					Formed quality	Vice-Rector for	5.2.1
	system, assessment and monitoring of							management	Research	5.3.2
	key performance indicators of StrAU							system	Nurgaliev D.K.,	
								(certification)	Director of the	
									Center of	
									Advanced Training,	
									Quality	
									Management and	
									Marketing of the	
									Institute of	
									Geology and	
									Petroleum	
									Technologies	
									Chukmarov I.A.	
3.2.	Development of education activities								Director of the	
									Center of	
									Advanced Training,	
									Quality	
									Management and	
									Marketing of the	

				Institute of
				Geology and
				Petroleum
				Technologies
				Chukmarov I.A.,
				Deputy Director for
				Education of the
				Institute of
				Geology and
				Petroleum
				Technologies
				Fazlyeva F.A.
				Director of
				Alexander Butlerov
				Institute of
				Chemistry Galkin
				V.I., Director of the
				N.I. Lobachevsky
				Institute of
				Mathematics and
				Mechanicso
				Khramchenkov
				M.G., Director of
				the Institute of
				Computing
				Mathematics and
				Information
				Technologies

									Mosin S.G.,	
									Director of the	
									Institute of	
									Environmental	
									Sciences	
									Selivanovskaya	
									S.Yu.	
3.2.1	Establishment of StrAU Center of	II qtr.						18 new unique	Deputy Director for	1.1.1
	academic programs	_						academic programs	Education of the	1.1.2
									Institute of	1.1.5
									Geology and	
									Petroleum	
									Technologies	
									Fazlyeva F. A.	
3.2.2	Development of academic programs in	I–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV		Deputy Director for	1.1.1
	English (number of programs)	1	1	qtr.	qtr.	qtr.	qtr.			1.1.5
				1	1	6	4		Institute of	1.2.3
					-	Ü			Geology and	1.2.0
									Petroleum	
									Technologies	
									Fazlyeva F. A.,	
									Deputy Director of	
									the Center for	
									Advanced Training,	
									Quality	
									Management and	
									Marketing of the	
							ĺ		Institute of	
									Coology and	
									Geology and Petroleum	

									Technologies Platov B. V.	
3.2.3	Development of double-degree	I–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	6 new academic	Deputy Director for	1.1.5
	academic programs with world-class		1	qtr.	qtr. 1	qtr. 1	qtr. 3	programs	Education of the	
	research centers and universities								Institute of	
	(number of programs)								Geology and	
									Petroleum	
									Technologies	
									Fazlyeva F. A.	
3.2.4	International accreditation of academic	III qtr.				III qtr.	II–IV	5 new academic	Deputy Director for	1.1.3
	programs (number of programs)	1				1	qtr.	programs	Education of the	
							3		Institute of	
									Geology and	
									Petroleum	
									Technologies	
									Fazlyeva F. A.	
3.2.5	Development of unique online MOOC	I–III qtr.	IV qtr.	I–IV	I–IV			3 new MOOCs	Director of the	1.1.7
	courses (number of courses)			qtr. 2	qtr. 1			courses	Center of	
									Advanced Training,	
									Quality	
									Management and	
									Marketing of the	
									Institute of	
									Geology and	
									Petroleum	
									Technologies	
									Chukmarov I.A.	

3.2.6	Development of unique training	I–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	9 new training	Director of the	1.1.8
	professional programs (number of		3	qtr. 3	qtr. 1	qtr. 1	qtr 1	professional	Center of	
	programs)							programs	Advanced Training,	
									Quality	
									Management and	
									Marketing of the	
									Institute of	
									Geology and	
									Petroleum	
									Technologies	
									Chukmarov I.A.	
3.2.7	Development of the system of annual	II–III qtr.		II–III	II–III	II–III	II–III	12 new summer	Head of the	2.1.3
	summer schools (number of schools)	1		qtr.	qtr.	qtr.	qtr.	schools	Department of	
				3	2	4	2		Paleontology and	
									Stratigraphy of the	
									Institute of	
									Geology and	
									Petroleum	
									Technologies	
									Silantiev V.V.,	
									Deputy Director for	
									Innovation of the	
									Institute of	
									Geology and Petroleum	
									Technologies	
									Sudakov V.A.	
									Deputy Director for	

								Dagagala of the	
								Research of the	
								Institute of	
								Geology and	
								Petroleum	
								Technologies	
								Kolchugin A.N.,	
								Associate professor	
								of Alexander	
								Butlerov Institute	
								of Chemistry	
								Vafolomeev M.A.	
3.2.8	Development of the system of grant	II qtr.	II qtr.	II qtr.	II qtr.	II qtr.	Enrolment of up to	Deputy Director for	3.1.1
	support for attracting talented students						60 students per	Education of the	3.1.4
	to the master's and doctoral programs						year	Institute of	
								Geology and	
								Petroleum	
								Technologies	
								Fazlyeva F. A.	
3.2.9	Development of the system of grant	III qtr.	II qtr.	II qtr.	II qtr.	II qtr.		Deputy Director for	3 1 3
3.2.	support for short-term internships of	m qu.	11 911.	n qu.	11 941.	_			3.1.4
	talented students in the world-class							Institute of	3.1.1
	research centers and universities						students	Geology and	
	research centers and universities						Students		
								Petroleum	
								Technologies	
								Fazlyeva F. A.	
3.2.10	Creation of the international network				III qtr.		Recruitment of	Director of the	1.1.8
	university of additional education in the						min 500	Center of	
	area of global energy and materials						international	Advanced Training,	

								students and course participants by 2020	Quality Management and Marketing of the Institute of Geology and Petroleum Technologies Chukmarov I.A.	
3.2.11	Organization of regional, national and international competitions for students and pupils	II–III qtr.		II–III qtr.	II–III qtr.	II–III qtr.	qtr.	Participation of over 600 pupils and students in Olympiads by 2020, increase in the average USE score of university applicants up to 77,5	Deputy Director for internships and interaction with employers of the Institute of Geology and Petrolium Technologies Trekhin A.A	3.3.2
3.2.12	Establishment of dissertation councils for awarding PhD degrees in the area of oil production, oil refining and petrochemistry			III qtr.	III qtr.	III qtr.	-	Increase in the percentage of international doctoral students by min 50 %	Vice-Rector for Research Nurgaliev D. K.	1.2.1
3.2.13	Organization of educational and industrial training programs abroad	III qtr.	III qtr.	III qtr.	III qtr.	III qtr.	-	Increase in the number of gifted students, increase in the average USE score of university applicants to 77,5	Deputy Director for internships and interaction with employers of the Institute of Geology and	3.1.3 3.1.4

								Petroleum Studies Terekhin A.A., Director of the Center for Advanced Training, Quality Management and Marketing of the Institute of Geology and Petroleum Technologies Chukmarov I. A.
3.3.	R&D for the ensuing year and	I–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	Deputy Director for
	planned period	-	-	qtr.	qtr.	qtr.	qtr.	Research of the
								Institute of
								Geology and
								Petroleum
								Technologies
								Kolchugin A.N.,,
								Associate professor
								of Alexander
								Butlerov Institute
								of Chemistry
								Vafolomeev M.A.,
								Director of
								Alexander Butlerov
								Institute of

									Chemistry	
									Galkin V.I.,	
									Director of Nikolai	
									Lobachevsky	
									Institute of	
									Mathematics and	
									Mechanics	
									Khramchenkov	
									M.G.,	
									Director of the	
									Institute of	
									Computing	
									Mathematics and	
									Information	
									Technologies	
									Mosin S.G.,	
									Director of the	
									Institute of	
									Environmental	
									Sciences	
									Selivanovskaya	
									S.Yu.	
3.3.1	Conducting R&D	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	Increase in the	Deputy Director for	4.2.1
		•	*	qtr.	qtr.	qtr.	qtr.	total number of	Innovation of the	4.2.2
				•	•	•	•	publications to	Institute of	4.2.3
								870 articles per	Geology and	
								year and citation	Petroleum Tachnologies	
								year and chanon	Technologies	

				index to 32,1 per	Sudakov V.A.,
				one faculty	Saddiko V i.,
				=	Deputy Director for
				member per year	Research of the
					Institute of
					Geology and
					Petroleum
					Technologies
					Kolchugin A.N.,
					Associate professor
					of Alexander
					Butlerov Institute
					of Chemistry
					Vafolomeev M.A.,
					Chief engineering
					officer of the
					department of
					Innovative and
					Educational
					Technologies
					Vakhin A.V.,
					Director of the
					Institute of
					Environmental
					Sciences
					Selivanovskaya
					S.Yu., associate
					professor of the
					Institute of
					Environmental
					Sciences Galitskaya

									P.Yu., Deputy Director for Industry Relations and Commercialization of Alexander Butlrov Institute of Chmistry Lamberov A.A.
3.3.2	Organization of regional, national and international conferences, symposia and seminars on StrAU priority research areas	II–III qtr.	IV qtr.	II–IV qtr.	II–IV qtr.	II–IV qtr.	qtr.	Number of conferences/ participants	Deputy Director for Research of the Institute of Geology and Petroleum Technologies Kolchugin A.N. Associate professor of Alexander Butlerov Institute of Chemistry Vafolomeev M.A.
3.3.3	Establishment of international consortiums in StrAU priority research areas			II qtr.	II–III qtr.			Number of consortiums	Deputy Director for 4.1.2 Innovation of the 4.2.2 Institute of Geology and Petroleum Technologies

2 2 4	Implementation of grant support to	И. Ш. оф	IV. atr	I IV	LW	LW	LW	Ingresse in the	Sudakov V.A. Associate professor of Alexander Butlerov Institute of Chemistry Vafolomeev M.A.	
3.3.4	Implementation of grant support to attract young research and academic staff with experience in scientific research and educational areas in the leading Russian and international universities and research centers	II–III qtr.	IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	Increase in the percentage of staff with work experience in the leading Russian and international universities and companies to 42 % in 2020	Deputy Director for Education of the Institute of Geology and Petroleum Technologies Fazlyeva F. A., Associate professor of Alexander Butlerov Institute of Chemistry Vafolomeev M.A., Deputy Director for Research of the Institute of Geology and Petroleum Technologies Kolchugin A.N.	2.1.2
3.3.5	Implementation of the programs of	II–III qtr .	IV qtr.	I–IV	I–IV	I–IV	I–IV	Number of	Director of the	2.2.1
	international and domestic academic mobility of research and teaching staff			qtr .	qtr .	qtr .	qtr.	research and teaching staff	Center for Advanced Training,	2.2.2 5.1.1

in the form of internships, advanced training and retraining							members participating in internship, advanced training and professional retraining programs	Quality Management and Marketing of the Institute of Geology and Petroleum Technologies Chukmarov I. A., Deputy Director for Research of the Institute of Geology and Petroleum Technologies Kolchugin A.N.	
Implementation of travel-grant program for participation in top international conferences on StrAU priority research areas Miscellaneous	II–III qtr.	IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	Number of travel grants	Deputy Director for 2.2.1 Research of the 3.1.4 Institute of Geology and Petroleum Technologies Kolchugin A.N. Associate professor of Alexander Butlerov Institute of Chemistry Vafolomeev M.A.,	

3.4.1	Issue of peer-reviewed international scientific journal						III qtr.	total number of publications to 870 articles per year and citation index to 32,1 per one faculty member per year	Director of the Institute of Environmental Sciences Selivanovskaya S.Yu., Head of the Department of Paleontology and Stratigraphy of the Institute of Geology and Petroleum Technologies Silantiev V.V., Vice-Rector for Research Nurgaliev D. K.	7.1.1
3.4.2	Establishment of small innovative enterprises and scaling centers for developed technologies (number of SIE and centers)	I–III qtr. 1	IV qtr.	I–IV qtr. 1	I–IV qtr. 1	I–IV qtr. 3		established SIE and centers	Deputy Director for Innovation of the Institute of Geology and Petroleum Technologies Sudakov V.A., Deputy Director for Industry Relations and	4.2.3

						Commercialization	
						of Alexander	
						Butlerov Institute	
						of Chemistry	
						Lamberov A.A.,	
						Chief engineering	
						officer of the	
						department of	
						Innovative and	
						Educational	
						Technologies	
						Vakhin A.V.,	
						Associate professor	
						of Alexander	
						Butlerov Institute	
						of Chemistry	
						Vafolomeev M.A	
3.4.3 Establishment of C	Consulting center in	III qtr.			Established	Deputy Director for	4.1.5
the area of oil and	gas technologies				Consulting center	Innovation of the	4.2.2
						Institute of	4.2.3
						Geology and	
						Petroleum	
						Technologies	
						Sudakov V.A.,	
						Head of the	
						department of	
						Innovative and	
						Educational	

									Technologies	
									Khusnullin R.I.	
4	4. Formation and development of the	Mission of t	he StrAU:	'	•	•				
5	StrAU "Quadrature of							FU and educational		
t	ransformation of teacher education –							fied teaching staff		
-	- 4 T»		l studies an	d educati	onal solu	ution cen	ter, as w	ell as a global mult	acultural and multili	ingual education
		center. StrAU goal.	g•							
				al nedao	ogical st	andard n	ermitting	KFU to become a	unique classical un	iversity offering
								onal programs will b		
								and disciplines of th		
		transformat	ion in teach	ers;			-	-		·
				-				is in modern physi		
								ing education, center		
							_	gual education, with	the purpose of edu	icating bilingual
		teachers abl					,	gamification of edu	cational process tra	cking individual
								results; to improve t		
		KFU.	trajectories	, Dig Du	ia anarys	15 01 044	cutionar	results, to improve t	ine quanty of educa	tional process in
		Positions in	the subject	ratings o	on the ba	sis of for	mation ar	nd development StrA	U:	
		Position in	QS ranking	, by subje	ect area -	Education	on – 101 -	– 150 by 2020		
4.1.	Organizational, economic and									
1	regulatory support									
4.1.1	Appointment of research head and	II qtr.						Appointed research	Head of the StrAU,	5.1.2
6	executive head of the StrAU from							head and executive	Vice-Rector for	5.2.1
8	among candidatures offered by the							head	Education	
s	supervisory board and academic council								Tayurskii D.A.	
	of the University (subject to approval)									
4.1.2	Consideration of the planned schedule	II qtr.						Approved item of	Head of the StrAU,	5.2.1
i	tem for educational activity						1	the planned	Vice-Rector for	5.3.1

	development in the StrAU by the supervisory board and academic council of the University. This item shall include, among others, development of educational cooperation between the University and the leading international and Russian partners			schedule for educational activity development		
4.1.3	Consideration of the StrAU's planned schedule item for research during the ensuing year and planned period (3 years) by the supervisory board, international advisory board and academic council of the University, as well as its presentation to the founder. The item shall include, among others, development of scientific cooperation with the leading international and Russian partners	II qtr.		Approved item of the planned schedule for research activity development	Head of the StrAU, Vice-Rector for Education Tayurskii D.A.	5.2.1 5.3.1
4.1.4	Determination of the StrAU's internal structure	II qtr.		Newly organised structure	Head of the StrAU, Vice-Rector for Education Tayurskii D.A., Director of the Institute of Psychology and Education Kalimullin A. M., Director of the	4.2.1 4.2.2 4.2.3 5.2.1 5.3.4

4.2.	Development of educational activities						educational program of the Higher School of Information Technologies and Information Systems Abramskiy M. M.	
4.2.1	Development of educational standard on teachers training in a federal university including development and substantiation of variating trajectories for pedagogical education and implementation of a model of unique reflexive and research-oriented pedagogical education		IV qtr.			1 new standard, variative educational trajectories	Head of the Department of pedagogy and preschool education methods Gabdulkhakov V. F., Director of the Institute of Psychology and Education Kalimullin A. M.	1.1.1 1.1.2 1.2.4
4.2.2	Development and implementation of cross-university academic programs: Bachelor's programs for all school education disciplines	II–III qtr.	IV qtr.	I–IV qtr.		23 new academic programs	Head of the Department of pedagogy and preschool education methods Gabdulkhakov V. F., Director of the	1.1.1 1.1.5 1.2.4 3.4.1

							Institute of Psychology and Education Kalimullin A. M.	
423	Implementation of academic programs			III–IV	I–II	3 new academic	Head of the	1.1.8
1.2.3	for additional education (advanced			qtr.	qtr.	programs	Department of	1.1.0
	training) "Psycho-pedagogical support			1	2		Preschool and	
	to children of Muslim migrants" and			1	_		Elementary	
	"Teaching the Russian language to						Education	
	children with different background.						Zakirova V.G.,	
	Migration processes in the system of						Associate	
	education' with orientation towards						Professor of the	
	international market (number of						Institute of	
	programs)						Psychology and	
							Education Chirkina	
							S. E., Associate	
							Professor of the	
							Institute of	
							Psychology and	
							Education	
							Khusainova R. M.	
4.2.4	Performance of works on	II–III qtr.	IV qtr.	I–IV	I–IV	Introduced	Head of the StrAU,	1.1.1
	implementation of individual			qtr.	qtr.	trajectory	Vice-Rector for	3.4.3
	educational trajectories in KFU					mechanism,	Education	
	institutes, as well as design and experimental works for individual					developed support system	Tayurskii D.A.,	
	educational trajectory support					System	Director of the	
							Higher School of	
							Information	

									Technologies and Information Systems	
									Khasianov A.F., Director of the	
									educational program of the	
									Higher School of Information	
									Technologies and	
									Information Systems	
									Abramskiy M. M.	
	R&D for the ensuing year and planned period									
4.3.1	Setup of research groups supervised by leading international scientists (number of groups)	II–III qtr.	IV qtr. 1	I–IV qtr. 1	I–IV qtr. 2				Head of the Department of pedagogy and preschool education methods Gabdulkhakov V. F., Director of the Institute of Psychology and	4.2.1 4.2.2
									Education Kalimullin A. M.	
4.3.2	Research in the field of multicultural	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV		Improved quality of		4.2.1
	teacher training. Conducting R&D on			qtr.	qtr.	qtr.	qtr.	educational process	Department of	4.2.2

R	amification of the educational process. esearch in Engineering, Mathematical and Physical Education							at KFU, increased publication activity of KFU in Education, joining Top-100 QS Education in 2020	Information Technologies and Information Systems Khasianov A.F., Head of the StrAU, Vice-Rector for Education Tayurskii D.A., Director of N. I. Lobachevsky Institute of Mathematics and	4.2.3
									Head of the StrAU,	
									Education	
									Director of N. I.	
									Institute of	
									Mechanics	
									Khramchenkov M.G., Director of	
									the educational program of the	
									Higher School of Information	
									Technologies and Information	
									Systems Abramskiy M. M.	
4.3.3 A	dvanced training/ internships and	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	Advanced training	Deputy Director of	2.2.1

academic mobility programs for	6	qtr.	qtr.	qtr.	qtr.	of key personnel, 42	the Institute of	2.2.2
managers and research and teaching		6	10	10	10	internships	Fundamental	5.1.1
staff of the StrAU in organization and							Medicine and	5.2.2
methodology of teaching humanities,							Biology for	3.2.2
medico-biological, chemical and							Education in	
physical disciplines in the leading							Medicine	
international partner universities							Gumerova A.A.,	
(number of internships)							Director of	
							Alexander	
							Butlerov Institute	
							of Chemistry	
							Galkin V.I.,	
							Director of the	
							Institute of Physics	
							Nikitin S.I.,	
							Director of the	
							Institute of Social	
							Sciences,	
							Philosophy and	
							Mass	
							Communications,	
							Schelkunov M.D.,	
							Director of the	
							Institute of	
							International	
							Relations, History	
							and Oriental	
							Studies	
							Khairutdinov R.R.,	
							Director of the	
							Institute of	
							Psychology and	

									Education Kalimullin A. M.	
4.3.4	Publication of results of research activities in highly ranked journals included in Web of Science and Scopus data bases	II–III qtr.	IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	Increased publication activity of KFU in Education, joining Top-100 QS Education in 2020, percentage of articles per StrAU member: 3,2 (WoS), 7,0 (Scopus)	Institute of Psychology and Education	7.1.2
4.4.	Miscellaneous									
4.4.1.	Setup of Centers of Excellence		IV qtr.					2 Centers of Excellence in Mathematical and Physical Education	Head of the StrAU, Vice-Rector for Education Tayurskii D.A., S.I., Director of the Institute of Mathematics and Mechanics Khramchenkov M.G.	4.2.1 4.2.2
4.4.2.	Organization of International Forum for Pedagogical Education (IFTE – 2017,	II qtr.		II qtr.	II qtr.	II qtr.	II qtr.	Improved KFU visibility in the	Head of the Department of	7.2.1

113	2018, 2019, 2020) Setup of resource centers "Pedagogical		II qtr.	II qtr.	global academic environment 3 resource centers	general and social pedagogy Valeeva R. A. Director of the	4.1.5
	education in federal university", "Migration pedagogy and cross-cultural psychology" and "Support center for young teachers" (number of centers)		11 qu.	2		Institute of Psychology and Education Kalimullin A. M.	4.2.1 4.2.2
4.4.4	OpenLab opening for engineering education	III qtr.			1 OpenLab	Head of the StrAU, Vice-Rector for Education Tayurskii D.A., Director of the educational program of the Higher school of Information Technologies and Information Systems Abramskiy M. M.	4.1.5 4.2.2
4.4.5	Education and Self-development journal joining Scopus database			IV qtr.	Journal inclusion in Scopus peer-review database	Head of the Department of general and social pedagogy Valeeva R. A, Head of the Department of pedagogy and	7.1.1

l world class										
from school										
ies results in										
Physics and										
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re supervised										
of continuous										
ducation from a school students to a young scientists. Better engagement with the process is facilitated with the										
ractice-oriented approach based on experience gained at KFU practical grounds and during internships at partner										
rticipating in										
trum-X-Ray-										
ing advanced										
and research										
s in Ecology,										
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ies results in										
2.1										

	the StrAU							structure	Sherstyukov O. N.	4.2.2
										4.2.3
										5.2.1
										5.3.4
5.1.2	Establishment new research and	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	Minimum 2 new	Head of the StrAU	4.2.1
	academic centers, laboratories and other			qtr.	qtr.	qtr.	qtr.		Sherstyukov O. N.	4.2.2
	subdivisions within the StrAU							Education Centers		4.2.3
								and 9 laboratories		5.2.1
										5.3.4
5.1.3	Forming the StrAU staffing	II qtr.							Head of the StrAU	1.1.6
								register	Sherstyukov O. N.	2.1.1
										2.1.2
										2.1.4
										5.2.1
										5.3.4
5.1.4	Defining financial model and financial	II qtr.		IV qtr.	IV qtr.	IV qtr.	IV qtr.	I		5.2.1
	support parameters of the StrAU								Sherstyukov O. N.,	5.5.1
									Vice-Rector for	
									Economic and	
									Strategic	
									Development	
		** ***	***			T TT 1			Safiullin M.S.	4.4.4
5.1.5	Conclusion of agreements of cooperation between university and its	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV		Signing agreements with min 6		1.1.1
	leading international and Russian			qtr.	qtr.	qtr.	qtr.	universities and 5	Sherstyukov O. N.	1.1.8
	partners for implementation of relevant							companies		2.2.3
	sub-schedules and ensure effective							r		4.1.3
	development of the StrAU									4.2.3

5.1.6	Establishment of an international			IV qtr.				An international	Director of	4.1.5
	training center							training center	Engelhard	4.2.2
									Astronomical	
									Observatory	
									Nefedyev Y.A.	
5.2.	Development of educational activities									
5.2.1	Upgrade of master's programs,	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	6 Master's	Head of the	1.1.1
	specialties and profiles, launch of new		2	qtr.	qtr.	qtr.	qtr.	programs;	Department of	1.1.2
	profiles and master's programs (number			2	2	2	2	4 educational areas	Relativity Theory	1.1.5
	of programs, specialties and profiles)							and majors	and Gravity Sushkov S.V.,	1.2.4
								J	Sushkov S. v.,	
									Head of the	
									Department of	
									Astronomy and	
									Cosmic Geodesy Bikmaey I.F.	
5.2.2	Implementation of new educational	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV		2 new educational	Senior lecturer of	1.1.1
	standards (number of standards)			qtr.	qtr.	qtr.		standards	the Department of	1.1.2
					1	1			Radiophysics of the Institute of	1.2.4
									Physics Korchagin	3.4.1
									P.A.	
5 2 2	Davidonment of additional training	II III ~t=	IVI atm	I–IV	I–IV			3 new additional	Senior lecturer of	1.1.8
3.2.3	Development of additional training programs (number of programs)	II–III qtr.	IV qtr.					training programs	the Department of	1.1.8
	programs (number of programs)		1	qtr.	qtr.			daming programs	Radiophysics of	
				1	1				the Institute of	
									Physics Korchagin	
									P.A.	

5.2.4	Development unique on-line MOOC (massive open online courses) courses on international educational platforms (number of courses)	II–III qtr.	IV qtr.	I–IV qtr.	I–IV qtr. 2	I–IV qtr. 1		3 new MOOCs	Senior lecturer of the Department of Radiophysics of the Institute of Physics Korchagin P.A.	1.1.7
5.2.5	International accreditation of academic programs (number of programs)		IV qtr. 1			IV qtr.		2 new academic programs	Head of the Department of Relativity Theory and Gravity of the Institute of Physics Sushkov S.V.	1.1.3
5.2.6	Organisation of a series of annual summer conference schools for young participants (number of summer schools)	III qtr.	IV qtr. 1	II–III qtr. 2	II–III qtr. 2	II–III qtr. 3	II–III qtr. 2	10 summer schools	Head of the Department of Relativity Theory and Gravity of the Institute of Physics Sushkov S.V., Director of Engelhard Astronomical Observatory Nefedyev Y.A.	2.1.3
5.2.7	Implementation of programs on space activities in subordinate schools (number of cooperation agreements)	II–III qtr.	IV qtr.	I–IV qtr. 1	I–IV qtr.	I–IV qtr. 1	I–IV qtr. 1	3 agreements of cooperation and collaboration with		3.3.1 3.3.3

								sponsored schools	Physics Gayazutdinov A.R.	
5.2.8	Implementation of a grant systems for admission of talented graduate and postgraduate students for studies in developed fields	II qtr.		II qtr.	II qtr.	II qtr.	II qtr.		_ •	3.1.1 3.2.2
5.2.9	Implementation of a grant systems for short term internships of talented undergraduate and postgraduate students as well as young scientists in world leading research centers and universities on developing specialties	III qtr.		II qtr.	II qtr.	II qtr.	II qtr.	20 undergraduate and postgraduate students	Head of the Department of Relativity Theory and Gravity of the Institute of Physics of the Institute of Physics Sushkov S.V., Head of the Department of Astronomy and Cosmic Geodesy Bikmaev I.F.	3.1.3 3.1.4
5.2.10	Implementation of grant program and exchange program of teaching and research staff with world leading research centers and universities (number of employees having taken internships)	II–III qtr.	IV qtr. 2	I–IV qtr. 4	I–IV qtr. 4	I–IV qtr. 6	I–IV qtr. 10			2.1.1 2.1.2 2.2.3
5.2.11	Implementation of young research and	II–III qtr.	IV qtr.	I–IV	I–IV	I–IV	I–IV	Recruitment of 74	Head of the	2.1.1

	teaching staff recruitment program for Russians and internationals on competitive basis (number of recruited employees)	5	5	qtr. 12	qtr. 15	qtr. 17	qtr. 20	members	Department of Astronomy and Cosmic Geodesy of the Institute of Physics Bikmaev I.F., Director of Engelhard Astronomical Observatory Nefedyev Y.A.	2.1.2 2.1.4 2.2.3
5.2.12	Development of student design engineering laboratory (number of participating students)	II–III qtr.	IV qtr. 10	I–IV qtr. 15	I–IV qtr. 20	I–IV qtr. 25	I–IV qtr. 30			3.1.2
5.3.	R&D for ensuing year and planned period									
5.3.1	R&D and designing projects on the following areas: • Study of astrophysical objects of high energy and evolutionary processes in the Universe. • Complex monitoring of space processes and Moon for ensuring life safety and secure functioning of equipment on Earth and in the space.	II–III qtr.	IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	I–IV qtr.	Publishing at least 980 articles and total of 799 mln. rub. of attracted funds by 2020	Head of the StrAU, Sherstyukov O. N.	4.2.1 4.2.2 4.2.3

	 Development and generation of distributed monitoring systems for near and far space including elements of microsatellite locations platforms. Application of space activities results. 									
5.3.2	Invitation of world leading scientists with high h-index to participate in joint R&D of StrAU (number of invited scientists)	II–III qtr.	IV qtr.	I–IV qtr.10	I–IV qtr. 14	I–IV qtr. 17	I–IV qtr. 23	Minimum 38 scientists with h>20 and minimum 32 scientists with h>30 invited	Head of the Department of Relativity Theory and Gravity Sushkov S.V., Director of Engelhard Astronomical Observatory Nefedyev Y.A.	2.1.4
5.3.3	Organisation of international symposia and conferences (number of events)	II–III qtr. 1	IV qtr.	I–IV qtr. 2	I–IV qtr. 3	I–IV qtr. 2	I–IV qtr. 3	11 международных симпозиумов и конференций	Head of the Department of Relativity Theory and Gravity Sushkov S.V., Director of Engelhard Astronomical Observatory Nefedyev Y.A.	7.2.1
5.3.4	Establishment of a joint research and educational center with National Observatory of Japan focused on			IV qtr.				Research and education center in collaboration with	Director of Engelhard Astronomical	4.2.2

	Russian-Japanese projects on space research						Observatory Nefedyev Y.A.	
	Enlargement of KFU interaction with the Russian Academy of Sciences: organization of specialized departments			IV qtr.	IV qtr.	KFU and RAS:	Associate Professor of the Department of Radiophysics of the Institute of Physics Latypov R.R.	4.2.3
5.4.	Miscellaneous							
5.4.1	Establishment of outsourcing center on development and creation of radiophysical systems		II qtr.			funds		4.2.2