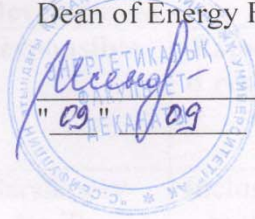


Considered  
At the meeting  
of the Academic Council  
Faculty of Energy  
protocol №2  
"09" 09 2019

APPROVED  
Dean of Energy Faculty



Issenov S.S.

2019

### PLAN

development of the educational program «8D07107 Control of technical systems»  
2019-2023 years

#### **1. Analytical study program. Information about the educational program.**

The aim of the educational program of doctoral «8D07107 Control of technical systems» is creation of conditions for effective educational process for the formation and development of personal, socio-cultural and professional competences in the field of control engineering systems and the automation of technological processes and production.

This educational program is designed in accordance with the State educational standards at all levels, as well as the national qualification framework, sectoral qualifications frameworks, the European Qualifications Framework, professional standards, consistent with the Dublin descriptors.

#### **2. The main objectives of the EP development plan**

Systematization of measures and actions for the qualitative and quantitative improvement of educational programs, their implementation and evaluation, sustainability in the education market to meet the requirements and conditions of the parties concerned.

#### **3. The main objectives of the EP development plan**

1. The mechanism improvement for the planning and organization of educational process, learning outcomes and monitoring their achievement. Implementation period 2019-2023 years.

2. Suppliance of the content of educational programs of the modern trends in education and technology, taking into account the requirements of the authorized body, students and potential employers. Implementation period 2019-2023 years.

3. Providance of qualified academic staff, as well as the conditions for the development of its professional, pedagogical, scientific and creative potential. Implementation period 2019-2023 years.

4. Development of the material and technical base, resource possibilities for efficient and quality of the educational process. Implementation period 2019-2023 years.

#### 4. The action plans for the EP development

№	Description of measures	Terms of realization	Responsible	Expected results	Resource support
1.	Development of EP under JI all levels of education №604 from 31.10.2018, examination and submission to the Registry	2019	Sarsikeyev Ye.Zh. Issenov S.S. Pyastolova I.A. Shukraliev M.A. Zhantlesova A.B.	Inclusion in the Registry	State obligatory standard of higher education approved by Order MES RK on October 31, 2018 №604. Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 №319-III
2.	Actualization content EP in accordance with modern trends and requirements of the authorized body, the education market and the real sector of the industry and the national economy in the preparation of specialists of different levels	2019-2023	Sarsikeyev Ye.Zh. Tursunbaeva A.E. Suleimenova G.O.	Update the content of individual subjects and the curriculum as a whole.	Proceedings of meetings with representatives of professional organizations and associations
3.	Improving the process of assessment of learning outcomes, their availability	2019-2023	Sarsikeyev Ye.Zh. Suleimenova G.O. Zhumazhanov S.K.	Criteria and evaluation of the achievement of learning outcomes	Rules for the organization of educational process on credit technology of training approved by order of MES RK dated April 20, 2011 №152. Registered in MJRK May 27, 2011 №6976.

					Quality Management System standard organization Control of knowledge and carrying out the final evaluation of students
4.	Development of new educational materials in Kazakh, Russian and English for bachelor's, master's and doctoral programs	2019-2023	Academic staff	Published teaching literature	Quality Management System Position on the verification of written works on the subject of borrowing
5.	Development of distance learning technologies across platforms	2019-2023	Academic staff	E-learning courses in the disciplines of the department	Electronic platform MOODLE
6.	Attracting domestic and foreign scientists, representatives of production for training, master classes, as well as the development of curricula, catalogs of elective courses, educational programs	2019-2023	Sarsikeyev Ye.Zh. Tursunbaeva A.E. Orazbekova A.K.	Open lectures and master classes. Updated content curriculum catalogs of elective courses.	Proceedings of meetings with representatives of professional organizations and associations
7.	Cooperation with leading foreign and domestic industrial enterprises,	2019-2023	Sarsikeyev Ye.Zh. Shukraliev M.A.	Treaty on the practice, the	Methodical instructions The organization and conduct

	scientific and design organizations to develop competencies of students, organization of educational process with elements of dual training		Akimzhanov T.B.	elements of the dual training	practical training masters / doctoral students
8.	Training, retraining, obtaining scientists (academic) degrees and faculty ranks by training, training, protection of qualification works in the research and design organizations, educational institutions, industry and the real sector of the national economy on the basis of full-time, part-time and distance	2019-2023	Academic staff	New knowledge and skills of faculty for use in scientific and educational activities	Refresher courses, refresher courses, competitions, grants, training in master's and doctoral
9.	Increasing the share of English speaking PPS,	2019-2023	Academic staff	Development EMCD in English. Creation of multilingual groups	English language courses
10.	Creating a research and creative environment to enhance the quality of the publication activity of students,	2019-2023	Academic staff	Articles in journals 1-3 quartiles Web of	Conferences, forums, contests and grants

	undergraduates, doctoral students and teachers in the rating of domestic and foreign journals indexed Kintz, RISC, Web of Science, Scopus,			Science or Scopus quartile journals from 35 and above.	
11.	Academic mobility and training of students, undergraduates, doctoral students and teachers in the leading scientific, educational and industrial organizations	2019-2023	Students and academic staff	Internship lasting at least 2 weeks	Mobility program
12.	Participation of students, undergraduates, doctoral students and faculty in the scientific, educational and creative competitions of national and international level	2019-2023	Students and academic staff	Top places of international, national and city events	Conferences, forums, contests and grants
13.	Equipment of educational and scientific laboratories with modern equipment, accreditation and licensing centers, laboratories	2019-2023	Academic staff	Equipped laboratories and centers	Sponsor aid, grants and contracts

Head of the Department of operation of electrical equipment

\_\_\_\_\_ Sarsikeyev Ye.Zh.