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SMART CITY

Innovative Approach towards a
Master Program on
Smart Cities Technologies



al-Faraby Kazakh
National University

3.4 -Summer School - 26-30 April, 2021
**"Smart University is the foundation
for a Smart City"**



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PROJECT TEAM

TUYMEBAYEV ZHANSEIT KANSEITULY



Rector of Al-Farabi Kazakh National
University

Doctor of Philology,
Professor



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PROJECT TEAM

Contractor / Coordinator

Technical University of Sofia (TUS), Bulgaria

prof. PhD eng- Pancho Krastev Tomov



Technical University of Sofia
We **seceed!**

Summer school

Al-Farabi Kazakh National University

Almaty, 26-30 of April 2021



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PROJECT TEAM

EU Partners

- International Hellenic University (IHU), Greece



INTERNATIONAL
HELLENIC
UNIVERSITY

- Chemnitz University of Technology (TUC), Germany



TECHNISCHE UNIVERSITÄT
CHEMNITZ

- Rīgas Tehniskā Universitāte (RTU), Latvia



RĪGAS TEHNISKĀ
UNIVERSITĀTE



Soultana (Tania) Kapiki is a Professor at the Department of Organisations Management, Marketing and Tourism



Prof. Uranchimeg Tudevdayva



Nadezhda Kunicina professor, Dr, sc. ing. Department of Industrial Electronics and Electrical Technologies



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PROJECT TEAM

Partners (Russia)

- Yuri Gagarin State Technical University of Saratov (SSTU)



- Novosibirsk State Technical University (NSTU)



Новосибирский государственный
технический университет

НЭТИ



Olga Dolinina
Director of the
Institute of Applied
Information
Technologies and
Communications.



Vadim Zhmud
Head of the
Automation
Department



Galina Frantsuzova
Deputy Head of the
Automation
Department

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PROJECT TEAM

Partners (Mongolia)

- National University of Mongolia (NUM)



Oyun-Erdene Namsrai
Head of Department
of Information and
Computer Sciences,

- Mongolian University of Science and Technology (MUST)



ХӨДӨЛМӨРИЙН ГАВЬЯНЫ УЛААН ТҮГИЙН ОДОНТ
ШИНЖЛЭХ УХААН, ТЕХНОЛОГИЙН ИХ СУРГУУЛЬ
MONGOLIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY



Narantsetseg
Yadmaa
Director of
Graduate School
of Engineering

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Al-Farabi Kazakh National University

Almaty, 26-30 of April 2021



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PROJECT TEAM

Partners (Kazakhstan)

L.N. Gumilyov Eurasian
National University (ENU)



Alma Zakirova
Deputy Dean for
Academic Affairs of the
Faculty of Information
Technology

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**The word for the opening of the summer school is
given to the**



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Al-Farabi Kazakh National University



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Karuna Oksana



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Al-Farabi Kazakh National University was founded on January 15, 1934



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Mission

Formation of personnel potential - competitive and in-demand experts in the national and international labor markets; achieving a qualitatively new level in the formation of national and world citizens as well as high standards in the sustainable development of society through the transfer and enhancement of knowledge.

Vision

- transformation of a national traditional university into a world-class research university;
- integration of education, science and innovation;
- formation of the University model 4.0;
 - providing high quality education for the further success of students and the formation of a competitive base of educational programs;
 - training of graduates with high personal and professional qualities that meet the requirements of the labor market.

Purpose:

Transformation from the classical national university into research university of a world class.

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Al-Farabi Kazakh National University [↗](#)

📍 Al - Farabi Kazakh National University, Almaty Kazakhstan

QS World University Rankings QS Stars

🏆 165

★ 5

165

Status Public	Research Output High	Student/Faculty Ratio 5	Scholarships NO	International Students 3,262	Size L	Total Faculty 4,156
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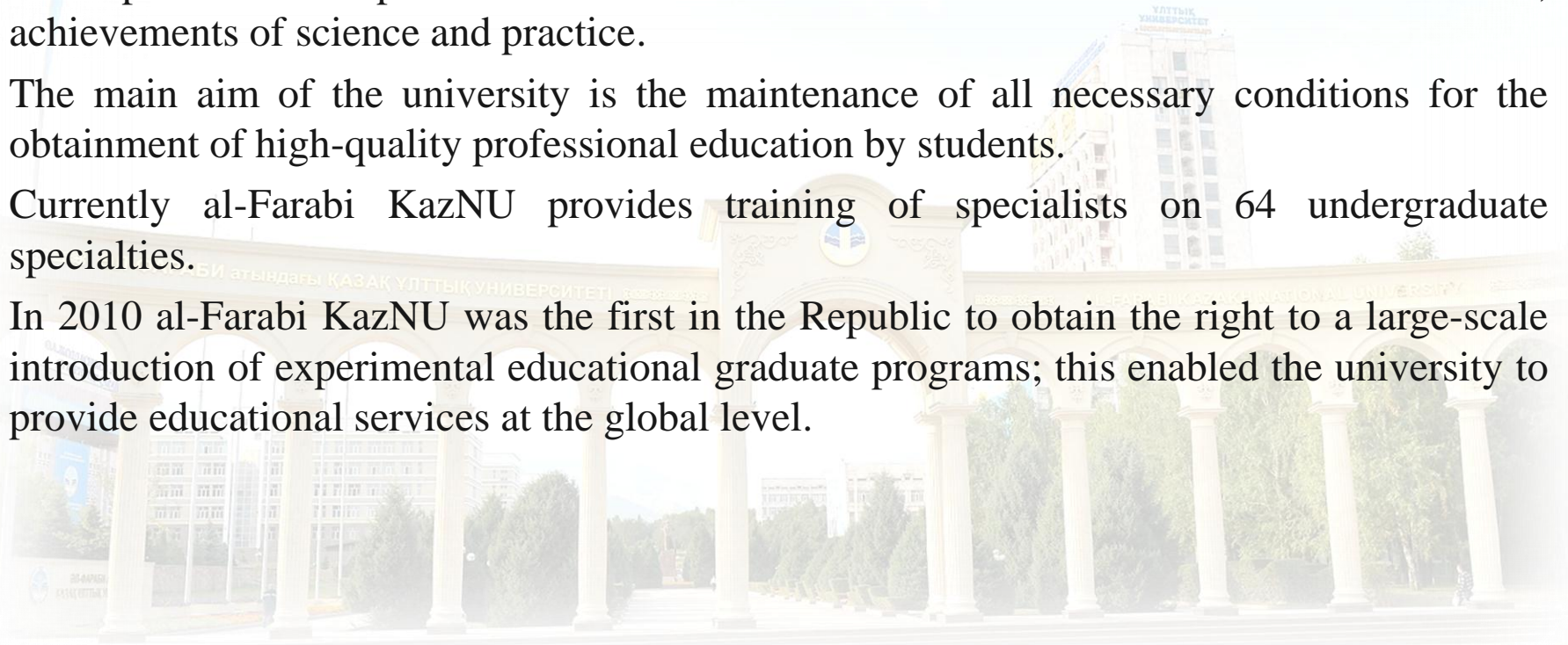


Being a classical university, al-Farabi KazNU is an innovative center of development of higher professional and postgraduate education; it ensures the formation and professional development of competitive individuals at the basis of national and universal values, achievements of science and practice.

The main aim of the university is the maintenance of all necessary conditions for the obtainment of high-quality professional education by students.

Currently al-Farabi KazNU provides training of specialists on 64 undergraduate specialties.

In 2010 al-Farabi KazNU was the first in the Republic to obtain the right to a large-scale introduction of experimental educational graduate programs; this enabled the university to provide educational services at the global level.





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The credit technology of education has been implemented in full scale. A corporate system named “UNIVER” has been launched; it involves all the teachers and students, provides daily monitoring of multiple parameters at all stages of the academic process and enables the growth of students' learning motivation, their academic achievements and interest in the practical application of knowledge at their future career.

The university also has its own Registrar's Office in accordance with global practice of individual trajectory education. Students' online enrollment to various disciplines is provided with the consultations of the Registrar's Office and the Institute of advisors within “Univer” system.

The university has passed international accreditation of ASIIN, ACQUIN, AQA, FIBAA Accreditation Companies.

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SCIENTIFIC ACHIEVEMENTS OF THE UNIVERSITY

University scientists carried out 460 research projects:

- **140** projects on grant funding of Ministry of Education and Science of the Republic of Kazakhstan;
- **8** projects within program and target funding of Ministry of Education and Science of the Republic of Kazakhstan;
- **5** projects of "Science Foundation";
- **107** research projects within economic contracts with organizations and enterprises;
- **200** grants of the international funds and organizations.

International grants, internships

Al-Farabi Kazakh National University scientists received more than 200 grants from international funds and organizations for 2018-2021. The number of grants awarded for joint international projects is 57, 36 of them are in the social and humanitarian sciences field and 21 of them are in the natural and technical sciences field.

In 2018-2021 scientists and faculty members received 52 grants for internships, 96 people received further training at leading foreign universities and scientific institutions. Scientific internships were granted financial support from foreign organizations and funds and within the framework of the Ministry of Education and Science of the Republic of Kazakhstan grant projects. The number of the countries available for internships is increasing - Germany, the USA, the UK, France, Turkey, South Korea, China, Japan, Poland, Czech Republic, Hungary, etc.

Publishing

7681 scientific papers written by the faculty members were published in 2019-2020:

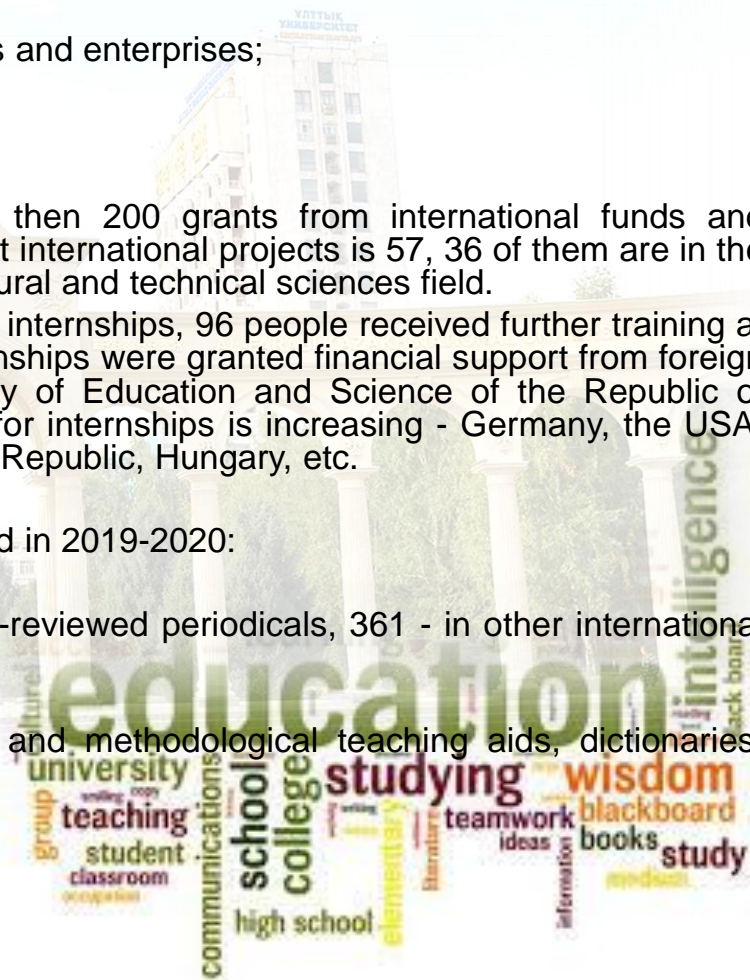
- 165 monographs, 34 of them were published abroad;
- 3837 scientific articles, 582 of them - in top-ranking foreign peer-reviewed periodicals, 361 - in other international periodicals,
- 3542 conference proceedings and abstracts.

In addition, faculty members published 697 textbooks, scientific and methodological teaching aids, dictionaries, reference books and collections of papers.

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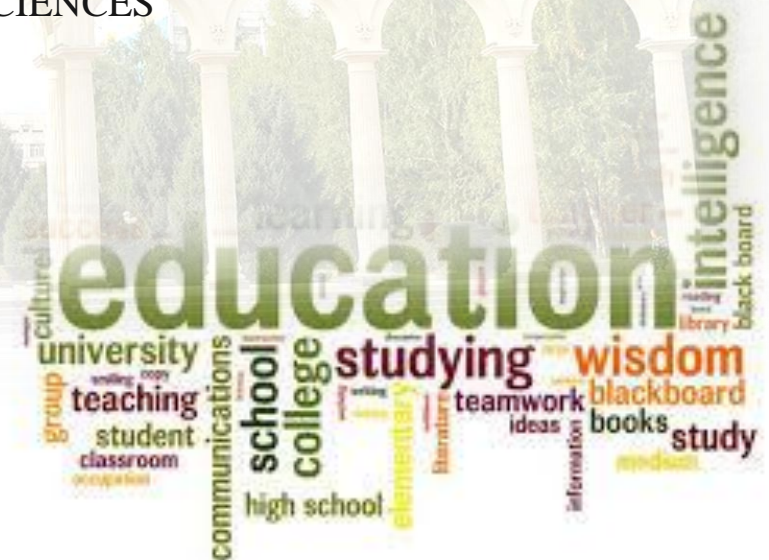
DEPARTMENTS

- FACULTY OF PHILOLOGY AND WORLD LANGUAGES
- MECHANICAL & MATHEMATICS FACULTY
- FACULTY OF INFORMATION TECHNOLOGY
- HISTORY DEPARTMENT
- FACULTY OF CHEMISTRY AND CHEMICAL TECHNOLOGY
- FACULTY OF BIOLOGY AND BIOTECHNOLOGY
- FACULTY OF ORIENTAL STUDIES
- INTERNATIONAL RELATIONS DEPARTMENT
- FACULTY OF PHYSICS AND TECHNOLOGY
- HIGH SCHOOL OF ECONOMICS AND BUSINESS
- FACULTY OF GEOGRAPHY AND ENVIRONMENTAL SCIENCES
- FACULTY OF LAW
- JOURNALISM DEPARTMENT
- FACULTY OF PRE-UNIVERSITY EDUCATION
- FACULTY OF PHILOSOPHY AND POLITICAL SCIENCE
- FACULTY OF MEDICINE AND HEALTH CARE

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Library



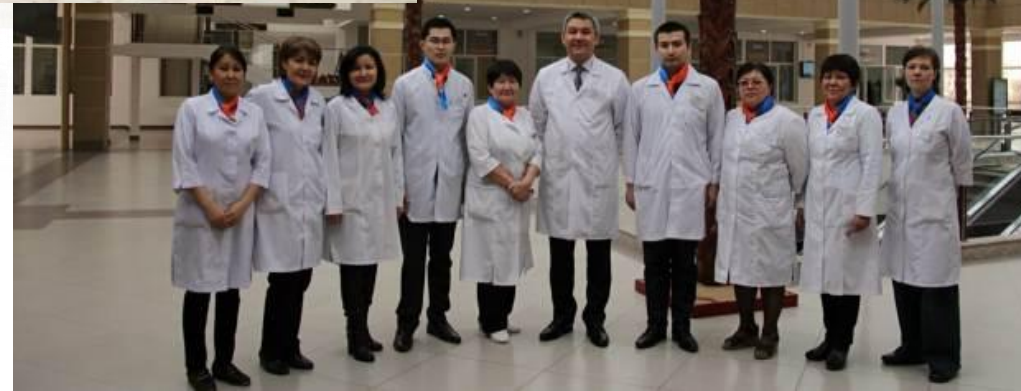
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Medical Center





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Sports complex



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For more information:

<https://www.kaznu.kz>

3D-tour:

<http://3dtour.kaznu.kz/>

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Thanks for
attention!