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Kyrgyz State Technical University named after I. Razzakov

Kyrgyz State Technical University

Impacts of the Covid-19 crisis in Kyrgyzstan

Dr.Mirlan Chynybaev
HERE Team leader

QS WORLD UNIVERSITY RANKINGS 20 YEARS

2024
QS World University Rankings: Asia

Kyrgyz State Technical University

Overall Results

Kyrgyz State Technical University

Overall Rank

Asia	Kyrgyzstan
351-400	4

Top 41% in the QS Asia University Rankings.

Total amount of students: 24 500
Staff: 1200
Area: Engineering Science

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Impacts of the Covid-19 crisis in Kyrgyzstan

has transformed:

- Admission system to universities (totally online);
- University strategies in field of digitalization in education;
- Skills development for teachers;
- IT infrastructure.

Results of online admission to universities based on the results of 5 rounds for the 2020-2021 academic year:

Digital platforms for online enrollment in secondary educational institutions and universities

2020.edu.gov.kg spuz.edu.gov.kg

21200

Budget

Self paid

35260

Admission to colleges

30610

Ministry of Education and Science of the Kyrgyz Republic

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Digital University - Strategic Programme

- Blended Learning
- Digital Skills
- IT Infrastructure
- IT environment
- Using information technologies in courses
- Cloud Technologies
- Document management System
- Using AI
- Using LMS

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Co-funded by the Erasmus+ Programme of the European Union

«HiedTec» Erasmus +project

Project: “Modernization of higher education in Central Asia through new technologies”

https://hiedtec.ecs.uni-ruse.bg/ru/?cmd=gsIndex

The main goals of the project are:

• adaptation of the education system in partner countries to the digital generation through the introduction and effective use of innovative educational technologies and didactic models based on ICT in the educational process;

• strengthening the international dimension of education and training through strengthening ties between EU universities and partner countries, sharing experiences and best practices in the field of digital pedagogy and innovative educational technologies (IET).

Course for teaching staff on the use of IT in education

TRAINING PROGRAM

TO IMPROVE THE QUALIFICATIONS OF TEACHERS
ON INNOVATIVE EDUCATIONAL TECHNOLOGIES AND DIDACTIC MODELS

CURRICULUM CONTENT

Modul 1 - mandatory selective

No	Topics	hours
1.	Educational system and digital generation	
2.	CONCEPT for adapting the education system to the digital generation (PROGRAM for digital transformation of education)	
3.	DEVELOPMENT OF TRADITIONAL TRAINING	
3.1.	How to optimally use an interactive whiteboard / interactive monitor in the educational process?	
3.2.	How to make a lecture more informative and attractive for digital generation students?	
4.	DEVELOPMENT OF SYNCHRONOUS DISTANCE LEARNING - in real time	
4.1.	How to use a video conference system?	
4.2.	How to use the virtual training room?	
5.	DEVELOPMENT OF ASYNCHRONOUS DISTANCE LEARNING - at any time	
5.1.	How to make and publish interactive ones on the Internet multimedia teaching aids?	
5.2.	How to record and publish video lectures?	
5.3.	How to create a virtual laboratory?	
5.4.	How to make a virtual library in the cloud?	
6.	DEVELOPMENT OF COMBINED TRAINING – main options	
	Total	8

Modul 2 -

No	Topics	Hours
1.	USING IN THE EDUCATIONAL PROCESS:	
	- social media	
	- additional, virtual and mixed reality	
	- Internet of Things	
	- humanoid robots	
	- artificial intelligence	
2.	Creation of a center for innovative educational technologies	
3.	Creating the classroom of the future	
4.	Creation of a virtual university	
5.	USING INNOVATIVE DIDACTIC MODELS	
	Total:	8 ч.

National online seminar on modern educational technologies EduTech 2021

- **Organizers:**
  National Erasmus+ office in Kyrgyzstan, national team of experts on HE reform
  Ministry of Education and Science of the Kyrgyz Republic
  Kyrgyz State Technical University named after. I. Razzakov
- The purpose of the seminar is to improve the professional competence of teachers in the implementation of modern educational technologies, exchange experience in the digitalization of higher educational institutions of the Kyrgyz Republic
- **Objectives of the seminar:**
- — present modern educational technologies used in the practice of leading university teachers;
- — summarize the experience of creating an innovative digital educational environment and digital tools in the work of universities;
- Dates: May 11 – 25, 2021
- Format: Zoom platform + Facebook broadcasts
- Speakers: leading experts from Kyrgyzstan, Kazakhstan, Bulgaria, Sweden and England
- Audience coverage in 2020: more than 37.3 thousand university teachers and partners
  https://www.facebook.com/erasmuspluskg

IT Infrastructure

Problems

- Insufficient infrastructure of educational institutions;
- Limited access to broadband Internet;
- Lack of servers in educational institutions;
- Lack of a unified platform for teaching schoolchildren and students (some universities have platforms, some do not)

Solutions

- Development and approval of a standard for the digital infrastructure of an educational institution (for all types of educational institutions);
- Purchasing missing equipment from various sources.

Increasing the digital skills of school teachers/teachers and technical specialists providing technical support

Problems

- weak level of digital competence of school teachers/teachers;

- lack of IT staff to provide technical support to secondary educational institutions (the main reason is low wages)

-

Solutions

- introduction of a digital literacy standard for school teachers and educators

- dissemination of the experience of pilot projects on training school teachers and teachers. Pilot projects PECA (GIZ), HiedTech (Erasmusplus)

- Develop and approve a plan to attract engineering and technical workers to provide technical support for the digital infrastructure of educational institutions

- Launch of a project for a unified educational portal for private and government institutions of the Kyrgyz Republic (analogous to Crousera). As an e-learning platform for training employees.

Thanks for your attention !

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