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Technologies in Education

Supporting Professional Development of Higher Education Teachers: Joint Project of UNESCO IITE and UNESCO-ICHEI

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International Higher Education Digital Transformation Conference
Shenzhen, China, February 28, 2023



Action tracks:

1. Inclusive, equitable, safe and healthy schools
2. Learning and skills for life, work and sustainable development
3. Teachers, teaching and the teaching profession
4. Digital learning and transformation
5. Financing of education

Action Track 4: Digital learning and transformation

Digital transformation requires harnessing technology as part of larger systemic efforts to transform education, making it **more inclusive, equitable, effective, relevant, and sustainable**.

Three core principles (Rewired Global Declaration on Connectivity in Education, 2021):

- Center the most marginalized
- Free, high-quality digital education content
- Pedagogical innovation and change

From an industrial model of teaching to pedagogically informed and technologically enriched higher learning experiences where learners manage their own learner pathways

- Technologies play an increasingly **central role** in higher education development
- Technological advances **have transformed teaching, learning and research** as well as networking and collaboration within and across nations
- **Open Science** and **Open Education** can support the democratization of knowledge using free online content, databases, and research results to ensure immediate access to information for all
- Increased reliance on digital information and advanced communication technologies brings **quality challenges**, which may result in low retention rates, and carries the danger of a growing digital gap
- Technology is a **platform in support** of innovative teaching, learning, and research approaches
- Using advanced technologies requires a **new mindset** among faculty members and adequate training
- Advanced ICTs require **new configurations of physical infrastructure** (active learning classrooms, design studios, etc.) that are more suitable for innovative teaching and learning methods

Cooperation of the UNESCO Institute for Information Technologies in Education and the International Centre for Higher Education Innovation under the auspices of UNESCO

2016:

- UNESCO IITE took part at formal launch of UNESCO-ICHEI

2020:

- Joint webinar on Online Higher Education (with Huawei)
- Co-issuing a series of publications to support educators and educational institutions during the COVID-19 pandemics

2021:

- **Singing the agreement on the implementation of the joint project** “Digital transformation of higher education in Central Asia”
- Joint webinar on “Digital Competencies for Digital Universities: Demands of the New Reality”

2022:

- Co-organising the UNESCO-ICHEI Annual Partnership and IIOE Meeting
- Co-organising the online meeting “The Digital Transformation of University Teachers”

2016–2023: mutual engagement in the wide range of different activities



Joint project “Digital transformation of higher education in Central Asia”

Aims: to contribute to enhancing the quality of higher education through the use of digital technologies and educational resources in the Russian-speaking countries including Central Asia

Duration: Oct 2021 – Oct 2023

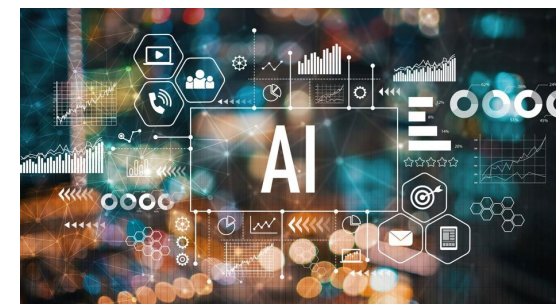
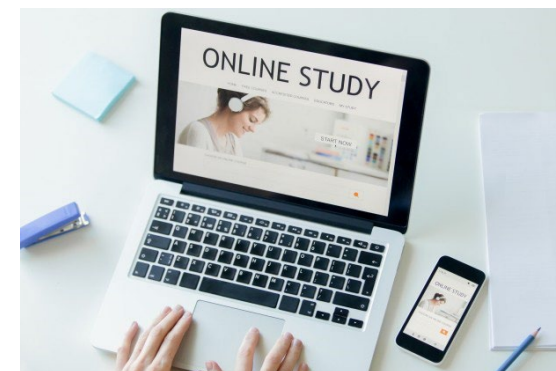
Target region: Central Asia other Russian-speaking countries

Outputs:

- Two online training courses for HEIs faculty members
- Analytical report on competencies of higher education workforce developed within the trainings

Thematic areas:

- Learning Analytics
- Media and Information Literacy



Introduction to Learning Analytics

- **Basic concepts and approaches** developed in the field of learning analytics
- Content structured in line with **three main areas**:
 - Content analytics
 - Student analytics
 - and Event analytics
- **Main topics**:
 - Collecting and analyzing educational data
 - Individualization of learning
 - Assessment of social learning
 - Prediction of educational success of students
 - Visualization of educational activities
 - Ethical challenges
- **Author**: professors of the ITMO National Research University, one of the leading HEI in Russia in the field of digital technologies



- **Introduction to MIL and enhancing critical thinking skills**
- **Main topics:**
 - How to understand information and critically interact with it
 - How to use media and digital communications to achieve professional, personal and social goals
 - Quality of information, disinformation, hate speech, propaganda and manipulations
 - Digital privacy and freedom of information online
 - Artificial intelligence, big data and machine learning technologies related to MIL
 - Creating longreads, videos, podcasts and educational games and applying them in the educational process
- **Team of authors:** university professors, lawyers and journalists from Kazakhstan, Kyrgyzstan and Uzbekistan with significant experience in promoting MIL



Media and Information Literate Citizens:
Think Critically, Click Wisely!

AN INTERNATIONAL HIGH-LEVEL EVENT

Join us at this event about the crucial role of media and information literacy (MIL) for the good of society.

The event will culminate in the launch of UNESCO's MIL Curriculum for Educators and Learners (second edition).

23 April 2021 (15:00 – 16:15 CEST)

Two high-level television-style discussions, with participation of the **Director-General of UNESCO**, the **Prime Minister of the Republic of Serbia**, the **Vice-President and Commissioner of the European Commission**, and other high-level speakers.

27 & 29 April 2021 (15:00 – 17:00 CEST)
Four **international webinars** presenting various MIL experiences, innovation and policy dialogues from experts and practitioners.

Platform for the online training courses



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Thank you

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