

Name of the project: AP14872099 «Instructional design of blended learning in higher education based on the integration of digital learning technologies»

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Relevance of the project

The world is actively transforming education in line with the digital age, the dynamics of which have increased as a result of the pandemic. Students are mastering the ways of acquiring knowledge through digital resources, and attitudes towards learning are changing. These trends demonstrate the need to change traditional learning through the systematisation of educational technology based on humanistic and interdisciplinary approaches. A blended learning model combining the pedagogy of traditional teaching and online learning opportunities is becoming relevant today, but it is not enough to understand it as the use of digital resources in the classroom. The project aims to develop a holistic instructional design for blended learning, with a methodological concept and a technological model based on the integration of digital learning technologies.

Purpose of the project

Theoretical and methodological substantiation of blended learning in higher education, development and testing of a technological model and instructional design of blended learning based on the integration of digital learning technologies.

Expected results:

In 2022

A review of the scientific and pedagogical literature on rethinking the learning model in the era of digital society and justification based on sociological research is planned.

Research and analysis of global and domestic experience of blended learning (BL) in higher education (HE) will be conducted and the scientific foundations of blended learning will be identified.

Visit the Institute of New Educational Technologies of Al-Farabi Kazakh National University, established to provide organizational, methodological, informational and technical support of the educational process on distance and BL.

In 2023

The methodological, didactic and technological foundations of instructional design (ID) of blended learning in higher education institution will be developed. The concept of instructional design of blended learning model in higher education institution will be developed based on the integration of didactic and digital educational technologies into a single blended learning model in higher education institution.

To develop an integrated model of digital educational technologies LAMS, LMS, CMS, to develop criteria and indicators for performance assessment, and to create a digital education platform.

To pilot and evaluate the effectiveness of the platform, to evaluate the organisation of the blended learning process, to develop criteria and indicators for assessing the competences of students in the implementation of blended learning in WKITU. The development of the Project website will be carried out.

To participate in the International Digital Education Forum EdCranch in Moscow or Almaty.

The first phase of implementation of the integrated model on the digital education platform is planned to be piloted and implemented.

In 2024

The second phase of implementation of the integrated model on the digital education platform is planned to be piloted and implemented.

The third phase of the implementation of the integrated model on the digital education platform and additions and adjustments for the organisation of the educational process in a blended learning format are planned.

To open a "Centre for blended learning" at the West Kazakhstan University of Innovation and Technology and hold training seminars for university and college faculty in Kazakhstan.

To summarize the results of approbation of the integrated model on the digital education platform and to provide the pedagogical design of blended learning for implementation, commercialization in universities through the integration of LAMS, LMS, CMS technologies in digital education.

According to the results of the study in 2022- 2024 plan to publish 2 (two) articles or reviews in peer-reviewed scientific journals indexed in the Social Science Citation Index, Arts and Humanities Citation Index and (or) Russian Science Citation Index database Web of Science and (or) having the percentile on CiteScore in the database Scopus at least 35 (thirty-five), and 3 (three) articles and (or) reviews in 2022 -24 will be published in peer-reviewed foreign and/or domestic publications recommended by SSCSON.

Based on the results of the study, 1 monograph, 2 textbooks, 1 teaching aid on instructional design of blended learning, as well as copyright acquisition are planned to be published in 2024.