Brief information about the project

Name of the project	AP19676457 "Modeling and feedback management in educational telematics"
Relevance	In today's education system, educational support and the ongoing use of telematics solutions to connect with students is becoming a pressing issue. A professional representative of the field of education should have a good understanding of the pedagogical methods of applying telematics technology and how it affects blended learning. Due to the growing number of training centers, many of which are in very remote and relatively inaccessible areas, telematics solutions that include video conferencing, digital satellite television and data transmission, and Internet connectivity are becoming relevant.
Purpose	**The goal of the project** is to research feedback for teaching disciplines using educational telematics, to develop a private cloud platform and implement it in the educational process of higher education institutions.
Objectives	1. Research and analysis of feedback in the learning process. 2. Expanding the technical capabilities of the cloud platform of educational telematics as the basis for providing feedback in the system of higher education and a means of ensuring the conduct and organization of interactive teamwork 3. Development of an interface for the organization of exams on a cloud platform and feedback management in educational telematics 4. Analysis and monitoring of the implementation of this project
Expected and achieved results	The result of the research will be a developed private cloud feedback management platform in educational telematics and its application in the learning process. 1. Application of educational telematics in the process of learning in higher education institutions to improve the results and ensure the interaction of participants in the pedagogical process. Feedback consists of dialogue and active participation in the study and teaching of higher education institutions. 2. Teaching disciplines using cloud-based demonstration rooms in higher education institutions. To implement demonstration rooms, electronic lecture notes, images, videos, audio, and interactive courses can be uploaded to the cloud platform. Uploaded files will be available for viewing by users, and they can be used as attachments to courses on the taught disciplines. Learning materials are created using separate programs. Realization of interactive teamwork in practical assignments with the help of cloud technologies. Development of the services of a demonstration room and interactive laboratory. 3. Further work on the creation of an exam interface in educational telematics. The cloud platform will allow for implementation: • Quality feedback to students and teachers, through chat, surveys, tracking and monitoring the behavior of the examinee through an online service;

	• development of the examiner's cloud-control system; • conducting exams using the cloud-control system of the cloud platform. This technology of educational telematics allows participants to be more active in the learning process, solve practical and educational problems of the taught disciplines in the context of learning with the use of cloud technology and the implementation of feedback in the learning process. Analysis of the effectiveness of the project at all stages of its implementation
Research team members with their identifiers (Scopus Author ID, Researcher ID, ORCID, if available) and links to relevant profiles	1. Kerimbayev Nurassyl, Doctor of Pedagogical Sciences, Professor of KazNU, h -index - 6, ResearcherID - A1687-2017, ORCID - 0000-0002-3206-0855, Scopus Author ID – 56182449600. 2. Shadiev Rustam, phD, Professor, h -index - 28, ResearcherID - G-5083-2010, ORCID - 0000-0001-5571-1158, Scopus Author ID – 24825659700. 3. Akramova, Aliya, Candidate of Pedagogical Sciences, Associate Professor of KazNU, h -index - 5, ResearcherID - AAY-9562-2020, ORCID - 0000-0001-6890-0329, Scopus Author ID – 56181656900. 4. Beisov Nurbol, senior lecturer at KazNU, h -index – 2, ResearcherID - DTC-0725-2022, ORCID - 0000-0001-9423-717X, Scopus Author ID – 57217198966. 5. Umirzakova, Zhanat, Doctoral student KazNU, h -index – 2, ResearcherID - AAR-5286-2020, ORCID - 0000-0003-4215-7930, Scopus Author ID – 57198431845. 6. Nurym, Nurdaulet, Doctoral student KazNU, h -index – 4, ResearcherID - AAZ-2232-2020, ORCID - 0000-0002-9663-5558, Scopus Author ID – 57212090819. 7. Yerkebulan Rakhymzhanov, programmer. 8. Adamova Karlygash, Doctoral student KazNU, ORCID - 0000-0002-3683-7879.
List of publications with links to them	1. Kerimbayev, N., Umirzakova, Z., Shadiev, R. *et al.* A student-centered approach using modern technologies in distance learning: a systematic review of the literature. *Smart Learn. Environ.* **10**, 61 (2023). https://doi.org/10.1186/s40561-023-00280-8 (Scopus) 2. Systematic Review (2003–2023): Exploring Technology-Supported Cross-Cultural Learning through Review Studies https://www.mdpi.com/2639714 (Scopus) 3. Mobile Technology as a Catalyst for Enhancing EFL Speaking Skills in Social Language Learning Contexts doi:10.1109/dasc/picom/cbdcom/cy59711.2023.10361479 (Scopus) 4. V. Jotsov, N.Kerimbayev, *et al*., "The Use of Mobile Technologies in Education with an Emphasis on a Student-Centered Approach," *2023 International Conference Automatics and Informatics (ICAI)*, Varna, Bulgaria, 2023, pp. 140-145, doi: 10.1109/ICAI58806.2023.10339010. (Scopus)
Patents	-