Brief information about the project

Title	IRN AP23489121: "School-university collaborative environment: realization of scientific projects within the framework of the Digital Humanities concept".
Relevance	In modern Kazakhstan, the modernization of education and the development of science are interrelated areas of state policy. However, there is currently a lack of comprehensive scientific reflection and critical analysis regarding the interaction and continuity between schools and universities in the field of scientific development within the framework of project-based and research activities. This issue determines the relevance of the undertaken study.
Goal	To organize and methodologically substantiate a collaborative, digital, and open "school-university" environment as an effective platform for the implementation of research projects in the context of Digital Humanities.
Tasks	1. To summarize the methodological and pedagogical principles of teaching project-based activities in the context of Digital Humanities. 2. To substantiate the theoretical, methodological, and psychological-pedagogical foundations of effective collaboration between schools and universities in joint scientific project activities. 3. To create a digital platform for enhancing teachers' professional competencies in project-based work, realizing students' creative potential, and disseminating best practices to general education schools across the Republic of Kazakhstan. 4. To develop a teaching and methodological guide "Fundamentals of research activities at school" for teachers and a study guide "Where science begins" for students. 5. To create an innovative pedagogical concept for organizing scientific work at school, integrating the methodology of project-based learning with the principles of Digital Humanities. To pilot the proposed digital platform and justify its effectiveness.
Expected and Achieved Results	1) To create a digital platform "Scientific and educational environment: Digital Humanities", which will host theoretical and methodological materials for the preparation and implementation of project-based activities for teachers and students, as well as the results of students' research projects. (**achieved**) 2) To prepare for publication: - a teaching and methodological guide "Fundamentals of scientific project activity within the concept of Digital Humanities" for teachers; (**achieved**) - a student textbook "Where science begins?"; - a MOOC "How to create a cool project" for students. 3) To publish, based on the research results, 2 articles in peer-reviewed scientific journals indexed in the Social Science Citation Index, included in Q1 or Q2 by impact factor in the Web of Science, and with a CiteScore percentile of at least 25 in the Scopus database. (**achieved**, 1 article in Q1, 84%) Additionally, to publish 3 articles in peer-reviewed foreign or domestic journals recommended by the SHEQAC MSHE: - Bulletin of Al-Farabi Kazakh National University, Pedagogy Series (Almaty); (**achieved**) - Bulletin of Abai Kazakh National Pedagogical University, Pedagogy Series (Almaty); (**achieved**) - Bulletin of L.N. Gumilyov Eurasian National University, Series: Pedagogy. Psychology. Sociology (Astana). 4) During the implementation of the project, the following activities will be conducted: - round tables with domestic and international scholars, school

	administrators, and teachers to discuss the organization of a collaborative “school-university” environment; - online and offline seminars and master classes for teachers of general education schools in Almaty, Zhambyl and Turkestan regions, and the Nazarbayev Intellectual School in Taraz; - a scientific project competition for school students based on research developed during the project; - an international scientific-practical conference summarizing the project outcomes and discussing prospects for further work within the “school-university” collaborative environment; - professional development courses for teachers of Kazakhstani and international general education schools aimed at commercializing the results obtained during the research. 5) As part of the project implementation, the defense of the doctoral dissertation by E.S. Shmakova is planned. (**achieved**)
Names and Surnames of Research Group Members with Their Identifiers (Scopus Author ID, Researcher ID, ORCID, if available) and Links to Corresponding Profiles	1. Begaliyeva Saule, dr. of ped.sc, assoc. prof., https://orcid.org/0000-0002-3528-7756, Researcher ID: HKE-9813-2023, Scopus ID: 56149741300. 2. Oralbekova Aliya, PhD, https://orcid.org/0000-0001-7724-1345, Author ID 57908446600. 3. Tattimbetova Kuralay, PhD, ORCID - https://orcid.org/0000-0002-7713-0757, Scopus Author ID: 57191191887, ResearcherIDN-5793-2014 4. Shmakova Elena, PhD, https://orcid.org/0000-0001-5682-3581, Researcher ID: AAZ-6411-2020, Scopus ID: 58510799800. 5. Zhunisbayeva Assel, https://orcid.org/0009-0002-3680-8266, Scopus ID: 59527838300.
Publications list with links to them	1. Zhunisbayeva A.S., Begaliyeva S.B. Digital humanities capabilities in the preparation of scientific projects // Interaction between Science and Society: Language, Innovation, Culture: Proceedings of the International Forum. – October 14–16, 2024 / Ed. by S.B. Begaliyeva, comp. by S.T. Issaliyeva. – Almaty: Al-Farabi Kazakh National University, 2024. – pp. 385–388. 2. Begaliyeva S.B. and Shmakova E.S. Digital Opportunities for Organizing Project-Based Activities in Humanities Subjects at School // Scientific-practical journal In the World of Science and Education, 2024, pp. 61–68. 3. Begaliyeva S.B. et al. The experience of building a collaborative space in the organization of pedagogical education: KazNU and PFUR. Bulletin of Abai Kazakh National Pedagogical University. Series: Pedagogical Sciences, 2025, Vol. 85, No. 1, pp. 76–87. DOI: https://doi.org/10.51889/2959-5762.2025.85.1.008 4. Begaliyeva S., Zholdasbekova B., Shmakova E. Digital humanities in pedagogical education: trends and prospects for the development of project activities // Bulletin of KazNU. Series: Pedagogical Sciences. – 2025. – Vol. 82. – No. 1. – pp. 90–100. DOI: https://doi.org/10.26577/JES20258218 5. Begaliyeva, S., Shmakova, E., & Zhunisbayeva, A. Creation of a Collaborative «School–University» Environment to Support Research Activities in Schools // Education Sciences. – 2025. – 15(1). – 100. DOI: https://doi.org/10.3390/educsci15010100. Q1, 84%. 6. Zhunisbayeva, A. S., Joldasbekova B.U. The role of digital literacy in collaboration between schools and universities // Future Science: Idea, Innovation, Intelligence Republican Scientific-Practical Conference for Young Scientists and Student. – Tashenov University, Shymkent, Kazakhstan, 11 April, 2025. – C. 626-630. https://cloud.mail.ru/public/nD5f/Att81nLa4

Patent information	