

DEVELOPING 21ST-CENTURY LEARNING SKILLS THROUGH THE INTEGRATION OF GENERATIVE ARTIFICIAL INTELLIGENCE IN SCHOOL EDUCATION

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Abstract. *This paper presents various opportunities for using digital tools based on generative artificial intelligence that support the development of 21st-century learning skills among students. It describes good practices and different approaches to integrating these tools into the teaching and learning process, aimed at fostering critical thinking, communication, collaboration, and creativity. The discussed educational platforms cover a variety of applications, including tools for creating game-based quizzes, digital and virtual collaborative whiteboards, interactive computer presentations that enhance motivation and engagement, as well as systems for generating music, video, and images. The proposed practices have been tested with lower secondary students from Prof. Ivan Batakliiev Primary School in Pazardzhik. The tools are included as a topic in qualification courses offered Department for qualification and professional development of pedagogical specialists at Paisii Hilendarski University of Plovdiv.*

Key words: Generative Artificial Intelligence, 21st-Century Skills, School Education, Critical Thinking, Creativity, Digital Tools.

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