

## USING NOTEBOOKLM TO ENHANCE STUDENT MOTIVATION AND ENGAGEMENT

Ivelina Velcheva, Desislava Voynikova

**Abstract.** *This study explores the practical applicability of the digital tool NotebookLM within the context of contemporary higher education. The primary focus is placed on the platform's capabilities for generating diverse AI-based educational resources, such as audio and video summaries, presentations, flashcards, tests, infographics, mind maps, and more. The research analyzes how the implementation of these innovative and interactive materials influences student engagement, motivation, and behavior during the educational process. The presented methodological practices were piloted in a real-world environment with students from Paisii Hilendarski University of Plovdiv, with conclusions formulated based on observation, activity analysis, and student discussions.*

**Key words:** NotebookLM, Generative AI, Interactive Learning, Innovative Practices

Ivelina Velcheva<sup>1,\*</sup>, Desislava Voynikova<sup>1</sup>

<sup>1</sup> Paisii Hilendarski University of Plovdiv,  
Faculty of Mathematics and Informatics,  
236 Bulgaria Blvd., 4027 Plovdiv, Bulgaria

Corresponding author: [ivelinavelcheva@uni-plovdiv.bg](mailto:ivelinavelcheva@uni-plovdiv.bg)