

Review of: "Augmented Reality (AR) Technology on Student Engagement: An Experimental Research Study"

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Potential competing interests: No potential competing interests to declare.

Author make a great effort to write this research article. This article discussed the significant and developing field of applying sophisticated technology in education. The study on the impact of augmented reality (AR) technology in the classroom is comprehensive and systematic, aiming to examine its influence on learning outcomes and student engagement.

It is important to highlight that the research employs a robust methodology, incorporating both quantitative (pre- and post-test) and qualitative (interviews, surveys) measures to gain a thorough knowledge of the impact of augmented reality technology. The study's pertinence and use are enhanced by the targeting of specific age groups, the random allocation of control and experimental groups, and the involvement of high school students.

The study offers a comprehensive understanding of the technology's influence by examining pre- and post-test results, engagement levels, perspectives, learning outcomes, and qualitative comments.

Despite employing statistical analysis, the absence of statistical significance in knowledge enhancement between the experimental and control groups undermines the main hypothesis. The failure to reject the null hypothesis does not conclusively prove the inefficacy of AR; it may instead prompt inquiries regarding the experimental methodology or the precise execution of AR.

Ultimately, while the study provides valuable insights into the way students engage with augmented reality technology, its ambiguous statistical results underscore the necessity for further research and potential enhancements in methodology for future studies of this nature.

Futhermore, following sections needs to improve.

Introduction Section: The introduction section of the research paper is notably concise, providing a brief overview of the topic at hand.

Literature Review Section: It is crucial to highlight that the literature review, a fundamental component in establishing the context and significance of the research, is conspicuously absent. A robust literature review is instrumental in identifying existing gaps in knowledge, theoretical frameworks, and relevant studies that contribute to the research's foundation. Its omission in the current paper raises concerns about the depth of exploration and contextualization of the subject matter.

Incorporating a comprehensive literature review would not only enrich the introduction but also strengthen the overall scholarly merit of the research by grounding it in a well-established knowledge base.