

APPLIED LEARNING MODEL THROUGH THE INTEGRATION OF DIGITAL TECHNOLOGIES IN THE TRAINING OF UNDERGRADUATES IN EDUCATIONAL SCIENCES.

Author: Berkis Yolanda Beroez Cedeño
National Experimental University of the
Western Plains Ezequiel Zamora
Correo: Berkisberoez6@gmail.com

ORCID Code <https://orcid.org/0009-008-8611-7512>

How to cite this article: Berkis Yolanda Beroez Cedeño "Applied Learning Model Through the Integration of Digital Technologies in the Training of Graduates in Educational Sciences." (2025), (1,17)

Received: 05/27/2025 Revised: 05/30/2025 Accepted: 06/02/2025

ABSTRACT

The training of undergraduates in Educational Sciences requires approaches that respond to current demands. This study explores how to optimize the applied learning model through digital technologies, specifically virtual simulators, to enrich teacher preparation. The theoretical framework defines the model as a practical and reflective approach that connects theory and practice, although limited by physical resources and exposure to diverse scenarios. Educational technologies, such as artificial intelligence and virtual environments, offer solutions by personalizing learning and simulating varied contexts. The methodology employed was documentary and bibliographical, based on the review of articles, books, and academic sources selected for their relevance and relevance, following a process of research, critical analysis, and synthesis. The analysis compared the traditional model, which encourages direct interaction but relies on infrastructure, with virtual simulators, which provide flexibility and diversity, allowing teaching strategies to be tested and feedback received without logistical restrictions. However, the need to preserve human interaction was emphasized. The conclusions highlight that combining the reflective essence of the model with technological capabilities creates an optimized, dynamic approach aligned with the 21st century, where digital skills and adaptability are key. This process not only overcomes practical limitations but also enhances teacher training for complex environments, provided it is designed in a balanced way. Thus, technological integration is presented as an essential advancement for innovative and relevant higher education.

Keywords: Applied Learning, Integration, Digital Technologies, Training, Graduates, Sciences, Education

Bibliographic reference: I was born in San Fernando, Apure State. I studied Primary School at the Casa Hogar Educational Unit and E/B "Daniel O'Leary" and Secondary School: L/B "Daniel O'Leary" and "Lazo Martí". I completed my university studies at UNESR for a degree in education and at UNER for a master's degree in education with a mention in Guidance and a Doctorate in Educational Sciences.