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RESUMO

With the expansion of distance higher education and in the quest to rethink the role of teaching and learning in distance higher education, the use of technology is part of this reality. Distance education is a teaching methodology that uses virtual environments as a didactic tool for teaching and learning, where students and teachers do not share the same physical space during interactions, and technological resources are available for different types of knowledge. Artificial Intelligence is a field of computer science responsible for building instruments to support human intelligence. In this context, the study aims to analyze artificial intelligence in the interaction of virtual teaching and learning environments, following by the evolution, in the face of the challenges and technological perspectives, of distance higher education. A bibliographical survey was carried out and Google Forms questionnaires were used to discuss the subject. The results and analysis showed a better understanding of the subject. Finally, artificial intelligence in the integration of virtual environments in distance higher education was one of the factors that most influenced the process of innovation in teaching and learning relationship.

PALAVRAS-CHAVE: Virtual environment, Distance learning, Artificial intelligence

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