

USE OF VIRTUAL AND AUGMENTED REALITY IN TEACHING ENGINEERING DISCIPLINES

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ABSTRACT

The integration of information technology (IT) into the educational process of engineering specialties in higher education institutions is a key area of development of modern education. The introduction of IT helps to improve the efficiency of training through the use of interactive and digital tools, such as learning management systems, virtual laboratories, simulations and online courses. These technologies improve the perception of complex engineering disciplines, improve the quality of training specialists and provide deeper practical training. An important aspect is the development of digital competence of students, which facilitates adaptation to the rapidly changing requirements of the labor market.

Keywords: Information Technology (IT), Engineering Education, Virtual Laboratories, Computer Aided Design (CAD), Educational Technologies, Electronic Learning (E-learning), Online Learning, Mobile Learning (M-learning), Digital Transformation of Education.