

Bridging Technology and Humanity: A Critical Analysis of Education 5.0 Frameworks in Higher Education

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Abstract

Education 5.0 marks a paradigm shift in higher education by emphasizing the integration of advanced technologies with human-centered values. Unlike previous models that primarily focused on digitalization and automation, Education 5.0 seeks to balance technological innovation with social responsibility, sustainability, and inclusivity. This paper critically analyzes the frameworks of Education 5.0 in higher education, exploring how artificial intelligence, machine learning, and digital platforms are being leveraged not only to enhance learning outcomes but also to foster creativity, emotional intelligence, and ethical awareness among students. Through a review of emerging practices, policies, and institutional strategies, the study examines the extent to which Education 5.0 aligns with the needs of Industry 5.0 and society at large. Special attention is given to the challenges of implementation, including issues of equity, digital literacy gaps, and the risk of dehumanizing education through excessive reliance on technology. The analysis highlights that the success of Education 5.0 frameworks depends on their ability to create a holistic learning environment where technology acts as an enabler rather than a replacement for human potential. The findings underscore the necessity of reimagining higher education as a space where innovation and humanity coexist harmoniously.

Keywords: Education 5.0, higher education, technology integration, Industry 5.0, human-centered learning, digital transformation