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Kamla-Raj IJES 2023

PRINT: ISSN 0975-1122 ONLINE: ISSN 2456-6322

Int J Edu Sci, 42(1-3): 54-62 (2023)
DOI: 10.31901/24566322.2023/42.1-3.1299

Empowering Early Learners: The Prospective Impact of Artificial Intelligence on Kindergarten Education

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KEYWORDS Cognitive Development. Edtech Integration. Instructional AI. Kindergarten Transformation. Technology-Enhanced Learning. Young Learners' Adaptation

ABSTRACT Recognizing the surge in technology-driven learning, this study delves into the nuances of Artificial Intelligence (AI) integration within early childhood education, notably kindergartens. The primary objective was to discern AI's capability to offer individualized learning experiences and to identify its inherent challenges. This study's review-based descriptive study critically assessed diverse AI tools, uncovering both their promise in enhancing personalized learning and socio-emotional skills and the potential risks of widening digital disparities. The findings underscore the paramount importance of a culturally responsive curriculum in curbing these disparities. In conclusion, a harmonized approach to AI in early education is advocated, emphasizing both technological progress and the imperatives of equity and inclusivity.