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Impact of Educational Technology on Education System

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ABSTRACT

The impact of educational technology on the education system has been profound and transformative, reshaping traditional methods of teaching and learning. With the integration of digital tools such as smart boards, online learning platforms, virtual classrooms, and AI-driven personalized learning systems, education has become more accessible, engaging, and flexible. Educational technology bridges geographical and socio-economic gaps, offering opportunities for remote learning and lifelong education. It enhances teacher effectiveness through real-time feedback, data analytics, and diverse instructional resources. Moreover, it caters to varied learning styles, promoting student-centered learning environments that encourage critical thinking, collaboration, and self-paced study. However, the digital divide and inadequate training for educators present challenges in achieving equitable outcomes. Despite these obstacles, the on-going evolution of educational technology promises significant improvements in the quality, efficiency, and inclusivity of education systems globally. This study explores how the strategic use of educational technology is not only enhancing academic achievement but also preparing students with the digital competencies required for the 21st-century workforce. As such, educational technology stands as a pivotal force driving innovation and equity in modern education.