E-Learning and Digital Transformation in Education

Babneet, Student, Shah Satnam Ji College of Education

Abstract

E-learning and Digital transformation have revolutionized education, making learning more **accessible, flexible, and personalized**. The integration of **digital tools, online platforms, and artificial intelligence** has significantly enhanced teaching and learning experiences. E-learning facilitates **self-paced learning, interactive content delivery, and real-time assessments**, catering to diverse learning needs. The shift to digital education has also influenced teacher training programs, equipping educators with **modern pedagogical skills and technological proficiency**. However, challenges such as **digital literacy gaps, infrastructure limitations, and accessibility issues** persist, particularly in rural and underprivileged areas. Blended learning models, **adaptive learning technologies, and institutional support** play a crucial role in bridging this gap. As digital transformation continues to evolve, it is essential to develop **inclusive, scalable, and effective e-learning strategies** that ensure equal opportunities for all learners. Future research should focus on **personalized learning models, AI-driven education, and policy frameworks** to maximize the benefits of digital education

International Advance Journal of Engineering, Science and Management (IAJESM)
Multidisciplinary, Multilingual, Indexed, Double-Blind, Open Access, Peer-Reviewed, Refereed-
International Journal, Impact factor (SJIF) = 8.152

1