**CHAPTER II**

**Review of Related Literature**

This chapter presents a summary of related literature and studies that highlight the importance of the study. Furthermore, it provides an analysis to deepen the understanding of its significance and potential impact.

**The Role of Digital Technology in Modern Education** Education has also been revolutionized through digital technology, increasing accessibility, interaction, and efficiency in teaching. Virtual classrooms, mobile apps, and AI-powered platforms have increased the adaptive and efficient way of learning, and AI-powered tutoring systems and multimedia-based learning support individualization of education based on the student needs (Higgins et al., 2012).  
 These technologies also enable teachers to derive data-driven insights, which facilitate easier monitoring of student performance and improving teaching methods.  
 Despite this, (Dancsa et al., 2023) identify major challenges facing the incorporation of digital tools into learning, including uneven access, complexity of implementation, digital exhaustion, privacy risks, and the demand for digital literacy. While contemporary tools upgrade the capability of learning, their success relies on effective usage, availability, and individuals being trained.  
 To solve such problems, (Zizikova et al., 2023) recommend creating digital infrastructure, offering the desired facilities to the students, and training teachers with digital literacy for smooth implementation.  
 They also propose upholding balance between classroom learning and online learning to prevent digital fatigue and following strict data privateness standards to maintain user confidentiality and ultimately result in a more inclusive and effective schooling system.  
 (Haleem et al., 2022) further emphasize that use of digital tools can be best beneficial to the students in their work if utilized to the fullest. Their research formulates how there is a requirement for appropriate planning and implementation to gain maximum benefits through e-learning.  
 With advancements in technology in the virtual world, achievement is based on the preparedness, presence, and proper utilization of teachers. Good training, improved infrastructure, and good policy can enhance the quality of virtual education and render the education system effective, equitable, and sustainable (Timotheou et al., 2023).

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