

The Impact of Digital Technology on Teacher Education

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Abstract

The development of society has been significantly impacted by the introduction of digital technology. Teachers in the modern day must become digital networkers as they guide their pupils to become agents of change via the use of intelligent technology, a position that is increasingly important in the educational landscape. A smart classroom, equipped with magnetic induction-enabled boards, might improve teaching and learning methods via real-time technology-driven information interchange, which could have a long-lasting effect on students' cognitive development. Computers and teaching software have become commonplace in classrooms across many grade levels. In today's world, schools equipped with state-of-the-art technology are supposed to make us happy. In order to achieve their goals, educators must recognize the limitations of traditional teaching methods, as emphasized in this article. Educators have faced several challenges in recent decades while trying to adapt to different educational paradigms. Among these include handling large-scale educational institutions, using collaborative teaching methods, utilizing technology in the classroom, adapting to comprehensive school frameworks, and embracing novel mathematical and scientific procedures like Nuffield science. The mastery and competence of these technologies by the instructor determines the extent to which technology may enhance students' academic achievement in the classroom. The significance of teacher education in using technology to raise students' academic achievement is investigated in this research study.

Keyword: Teacher Educator, Achievement, Comprehensive and Digital Technology