

Quality Science Education: Role of Digital Technologies in the Developing World



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Quality education is one of the key tenets of the United Nations' 2030 agenda for sustainable development. Digital education involves incorporating technology into educational practices for improving teaching and learning outcomes. Over the years, digital technologies have played a transformative role in the education sector and its effects have been observed in various aspects such as student engagement, motivation, and academic performance. A major momentum in this direction was during the recent COVID-19 pandemic, which not only entrenched the use of digital education across the world, but also highlighted its challenges (Akram et al., 2021; Haleem et al., 2022; Momani et al., 2023; Zarei & Mohammadi, 2022). This chapter explores the development and use of digital technologies in science education in developing countries and the opportunities and problems brought upon by its increasing use on educators and students.

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