

# The Contribution of Technological Innovations to Enhance Education for Sustainable Development

**Dr. Maisoun Alzankawi**

Language Centre, The Public Authority for Applied Education and Training (PAAET), Kuwait

## Abstract

Technological innovations have revolutionized numerous sectors, including education, by providing new tools and methodologies that enhance learning experiences and outcomes. Governments worldwide made teaching and learning educational technology compulsory during the COVID-19 pandemic in all educational fields. Despite the numerous advantages, integrating technological innovations into the educational process is challenging. There remains a significant gap between the potential of these technologies and their actual implementation in classrooms and educational fields. Issues such as inadequate infrastructure, lack of teacher training, and resistance to change hinder the effective use of technology in education. Moreover, the rapid movement of technological advancements often exceeds the ability of educational institutions to adapt, leading to underutilization of available resources and missed opportunities for enhancing the educational process. While there is a growing body of literature on the subject, much of the existing research is fragmented and lacks a comprehensive framework that connects theory with practice. This study employs qualitative analysis to obtain information about the experiences, benefits, and discusses the challenges that may arise using educational advancements and techniques in language learning. It aims to provide teachers and educators with a better understanding of the impacts of using technology in the educational process and the development of language learning. In the paper, the researcher defines technology, in addition to Information Communication Technology (ICT), and reviews previous studies on the effective use of technological tools across educational settings. Furthermore, the study sheds light on the role of using modern technological innovations that can be effectively utilized and integrated into education, not only for learners but also for their instructors who need to achieve professional development, by increasing the engagement of using technology in educational settings, motivation, as well as improving accessibility and convenience.

**Keywords:** technology, innovations, educational technology, professional development