

# **Barriers Hindering Implementation, Innovation and Adoption of ICT in Primary Schools in Kenya**

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## **Abstract**

In the recent years, Information and Communication Technology (ICT) has turned out to be an effective educational tool which enhances changes in teaching and learning processes. The teacher's role in technology- rich classrooms is more demanding than ever (Keengwe, Onchwari et al. 2008). This research paper investigated the barriers that are hindering the introduction of ICTs in Primary schools in Kenya. The main objective of this study was to explore on the major barriers hindering implementation, innovation and adoption of ICTs in Primary schools in Kenya in order to enhance teaching and learning processes. This study was guided by the theory of Marcus's Theoretical Model of Adoption and Diffusion of Innovation Theory .The topical areas on the literature reviewed include Education policy framework guiding ICTs in Kenya, definition of ICT in education, the potential of ICTs in the process of teaching and learning in schools, the role of a teacher in ICT integrated class and success in the integration of ICTs into education in other countries .This is a descriptive survey design within mixed method approach. The instruments that were used to collect data in this case were questionnaires and direct observation of information technologies schedules. Stratified random sampling and Simple random sampling were used to select the sample for study. The study findings and recommendations have been discussed extensively therein.

**Keywords:** Integration, Information communication technology, learning and teaching, technology implementation, diffusion of innovation, change management

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