

# **Challenges in the Implementation of ICT in Public Secondary Schools in Kenya**

By

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## **Abstract**

*Implementation of ICT in schools in Kenya is a recent activity that has elicited a lot of interest. However, there are many challenges that hamper efficient implementation including cost of infrastructure, electricity, teachers' skills and leadership. This study explored how these challenges influenced its implementation. A descriptive survey research design was adopted. Out of 350 public secondary schools in Meru County, 105 (30%) were sampled for the study. A total of 315 respondents were sampled through stratified and simple random sampling. Questionnaires were used as main instruments for data collection. Validity of the questionnaires was ensured through judgment of experts, while reliability was established through test and re-tests method during pilot study. Out of 315 questionnaires distributed, 220 (69.8%) were properly filled and returned. Data analysis employed both inferential and descriptive statistical techniques after which the results were presented in tables supported by some discussions. The result of study indicated that limited supply of qualified teachers and high cost of infrastructure were impediments to implementation of ICT. Generally, power supply was not an impediment, while school leadership supported ICT. The cost of infrastructure should be reduced by adopting measures such as locally assembling as well as exploiting alternative technologies to avoid reliance on imported one. Qualified teachers with ICT skills should be employed and in-service courses design to train the ones already in profession.*

**Keywords:** *Cost, electricity, skills, leadership, ICT, schools, Kenya*