

Integration of ICT in education in Kenya: a case study of the Nairobi School

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Abstract:

This research aimed at studying the integration of ICT in education in Kenya: a case study of the Nairobi school; guided by two theories: Diffusion of Innovation and Technology Acceptance Model theories. ICTs are viewed as sources of information that can improve education, yet they have not been fully used in the education sector in Kenya, in as much as most students have used ICT outside the classroom, their use in schools has been largely limited. The study focused on computers and the internet as the major K'Ts available in the education sector. The objectives of the study were: To find out the use of K'Ts in teaching and learning, to examine whether the use K"Fs enhances teaching and learning, to determine whether the use of K'Ts in teaching and learning increases the cost of education and to find out the obstacles in the implementation of ICTs. The study was descriptive in nature using both qualitative and quantitative techniques having adopted a case study of the Nairobi School which is a boys' national school in Kenya. Stratified and simple random sampling techniques facilitated the choice of 80 respondents from whom data was collected using self-administered questionnaires. Data was analyzed and presented using descriptive statistics, graphs and pie charts, by the use of Statistical Package for Social Sciences (SPSS). All the 40 teachers and 40 students targeted were successfully contacted through questionnaires. 60% of the respondents indicated that their subjects were catered for in K'T use, but unfortunately they do not use ICT in teaching these subjects, citing difficulty. Among the students, proficiency was very high in the use of Microsoft Word program and the internet, which offers a good basis for ICT integration in school. The study recommended formulation of leT policy through developing a VISION; performing an ICT audit, and setting target and performance indicators, teachers' training, infrastructure plan, costing and funding. as means for an effective integration of leT in education in Kenya.