

Influence of Teacher Demographic Factors on Integration of Information Communication and Technology in Teaching in ICT Champion Schools In Machakos Sub- County

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Abstract

Integrating Information and Communication Technology (ICT) in education is an important agenda of all countries due to the rapid changes occurring in the world. However, the teachers as the main driver of this integration should be intrinsically and extrinsically equipped. The preparedness of the teacher has incorporated in ICT success in the education system. This study investigated the influence of teacher demographic factors on ICT integration in teaching in ICT Champion schools in Machakos Sub-county, in Kenya. The independent variable was the teacher demography while the dependent variable was ICT integration. The study used quantitative and qualitative methodologies. A sample of 163 teachers and 9 principals was selected. The study used primary data which was collected using self administered structured questionnaires and interview guide to teachers and principals respectively. Data was coded and analyzed using descriptive and inferential statistics with aid of the SPSS software. The influence of teacher demographic factors on integration of ICT in teaching in public secondary schools was tested using Pearson's chi-square test at 5% level of significance. The study found out there was significant relationship between age, gender and level of education with integration of ICT in teaching. The study recommends that a compulsory computer training programme be introduced for teachers to equip and harmonize them with ICT competencies and skills. This shall be crucial in inculcating a positive ICT attitude amongst teachers.

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