

**FACTORS AFFECTING THE USE OF INFORMATION  
COMMUNICATION TECHNOLOGY IN TEACHING AND LEARNING  
IN SIGALAGALA POLYTECHNIC IN KAKAMEGA COUNTY**

**BY**

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## ABSTRACT

The use of ICT in classroom is very important for providing opportunities for students to learn to operate in information Age. The purpose of the research was to investigate factors hindering the use of ICT in teaching and learning and its impact on the learners in Sigalagala polytechnic Kakamega east district. The specific objectives of the study were; to determine why ICT is not fully embraced in Sigalagala polytechnic for teaching and learning process, to examine the factors to why teachers are not embracing ICT as a mode of teaching and learning in classrooms, to examine the impact of ICT on attainment, motivation and engagement with learning and teaching, to determine the measures that can be taken by the college administration to fully integrate the use of ICT in teaching and learning. Data for this study was gathered from Sigalagala polytechnic through random sampling using questionnaires. Analysis was carried out using descriptive statistics. The findings of the study indicated that teachers had a strong desire to integrate ICT into teaching and learning but they have encountered many barriers. The major barriers were lack of confidence (technophobia), resistance to change and attitudes, lack of competence, lack of effective training, lack of technical support and lack of access to resources. In view of the above findings the following recommendations were made; since confidence, competence, accessibility, technical support and training have been found to be critical components of technology integration in the education sector, ICT resources including software and hardware, effective professional development, sufficient time and technical support need to be provided to the teachers.