

A MODEL OF MEASURES THAT AFFECT EASE OF USE OF EMERGING TECHNOLOGIES IN TEACHING AND LEARNING IN GHANAIAIAN PUBLIC UNIVERSITIES

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ABSTRACT

Emerging technologies have become important tools in the improvement of teaching and learning in Ghanaian tertiary institutions. The aim of the research was to model the main measures that influence ease of use of emerging technologies in teaching and learning in Ghanaian public universities. The study was carried out as a quantitative research and a survey of public universities in Ghana. Lecturers who had used emerging technologies in public universities for at least a year were the sources of information in the study. The simple random and stratified sampling techniques were used to select 320 respondents. Findings of the study indicated that there is a significant positive relationship between ease of use of emerging technologies and training for lecturers, their support by their institutions, access to emerging technologies and quality of emerging technologies. This relationship is expressed in this resulting model: $Y = 0.48X_1 + 0.63X_2 + 0.12X_3 + 0.11X_4 - 1.30$, where the model accounts for about 65% of variability in Y (Ease of use) of emerging technologies. It is therefore recommended that ease of use of emerging technologies should be enhanced in teaching and learning by giving lecturers adequate training, support by their institutions, and easy and wide access to quality emerging technologies.

KEYWORDS: Information Communication Technology (ICT), ICT Applications, Information Technology, Emerging Technologies, Factors of Use of ICT, Ease of Use of ICT