Determinants of Utilization of Information and Communication Technology by Lecturers at Kenya Medical Training College, Nairobi

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Abstract : The use of Information and Communication Technologies (ICTs) has become one of the driving forces in facilitation of learning in most colleges. The ability to effectively harness the technology varies from college to college. The study objective was to determine the lecturers', institutional attributes and policies that influence the utilization of ICT by the lecturers'. A cross sectional survey design was employed in order to empirically investigate the extent to which lecturers' personal, institutional attributes and policies influence the utilization of ICT to facilitate learning. The target population of the study was 295 lecturers who facilitate learning at KMTC-Nairobi. Structured self-administered questionnaire was given to the lecturers. Quantitative data was scrutinized for completeness, accuracy and uniformity then coded. Data were analyzed in frequencies and percentages using Statistical Package for Social Sciences (SPSS) version 19, this was a reliable tool for quantitative data analysis. A total of 155 completed questionnaires administered were obtained from the respondents for the study that were subjected to analysis. The study found out that 93 (60%) of the respondents were male while 62 (40%) of the respondents were female. Individual's educational level, age, gender and educational experience had the greatest impact on use of ICT. Lecturers' own beliefs, values, ideas and thinking had moderate impact on use of ICT. And that institutional support by provision of resources for ICT related training such as internet, computers, laptops and projectors had moderate impact ($p = 0.049$) at 5% significant level on use of ICT. The study concluded that institutional attributes and ICT policy were keys to utilization of ICT by lecturers at KMTC Nairobi also mandatory policy on use of ICT by lecturers to facilitate learning was key. It recommended that policies should be put in place for Technical support to lecturers when in problem during utilization of ICT and also a mechanism should be put in place to make the use of ICT in teaching and learning mandatory.
Keywords : policy, computers education, medical training institutions, ICTs
Conference Title : ICDLE 2015 : International Conference on Distance Learning and Education
Conference Location : Barcelona, Spain
Conference Dates : February 26-27, 2015