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## **COST OF CLOUD COMPUTING ON RECORD MAINTENANCE IN NYANDARUA INSTITUTE OF SCIENCE AND TECHNOLOGY, NYANDARUA COUNTY, KENYA**

### **ABSTRACT**

The study sought to establish the effect of the cost of cloud computing on record maintenance in the Nyandarua Institute of Science and Technology. The specific objective of the study was to establish the effect of the cost of cloud computing on record maintenance in the Nyandarua Institute of Science and Technology. A quantitative and qualitative research design was used in this study. The population contained 125 respondents. The relationship between the variables was established through correlation analysis. On whether loss of records can have a major impact on the institutions in terms of cost of recovery it was established from the findings that 65% of the respondents agreed, 25% strongly agreed, 5% strongly disagreed and 4% disagreed while only 1% was neutral. Finally, the respondents were asked to state whether record maintenance in the cloud technology was comparatively cheaper they responded by 65% who agreed, 25% strongly agreed, 5% strongly disagreed, 4% disagreed and only 1% was neutral. As to whether the institution found it costly to maintain manual records as compared to electronic records, 51% agreed, 48% strongly while only 1% strongly disagreed. Further, on whether the electronic record system was initially costly but cheap in the long-run, 47% agreed, 35% strongly agreed, 10% strongly disagreed and 6% agreed. Only 2% were neutral. The study concluded that a unit change in X<sub>2</sub> will increase the effectiveness of record maintenance by 0.631 units and that in the absence of cloud cost, the record maintenance will still be positive at 8.765 since there are other factors which affect the record maintenance such as network accessibility, shared infrastructure, and network security. The study recommended that the Nyandarua Institute of Science and Technology should implement its record maintenance on cloud computing technology

**Primary author:** WANGUI, Pauline (Researcher)