

# CLOUD COMPUTING IN RURAL SCHOOLS

Kahumuza Benon 214013697 14/u/6794/ps

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## 1 ABSTRACT

Rural students have the capability to perform well in school and accordingly attain what the ones in urban areas can achieve. However due to many reasons this has not been possible.

## 2 INTRODUCTION

There has been slow development of the education system in Uganda majorly brought about by schools in rural areas lacking a supportive teaching staff, teaching facilities like text books, lab apparatus among other causes. This is where the aid of cloud computing comes in to avail all these facilities to these communities. Through these established systems, learners in rural areas will attain a similar training as the ones in urban areas with all these items. Through the cloud system, lab technicians can tutor more than one school at the same time through monitors installed in these rural schools. More still the less stocked libraries can be stocked in an online way by enabling students access the soft copies that would have been in form of hard copies in the library. It has been reported that most tutors sent to these rural areas take no interest in them and end up not fulfilling their duties accordingly to the respective areas.

## **3 METHODOLOGY**

The type of research that will be used in this study is qualitative research and quantitative research. Qualitative research will aim to gather an in-depth understanding of the current equipment that is available to cater for cloud computing. Besides this, the research will also examine the phenomenon through observations in numerical representations and through statistical analysis. Along with questionnaires that will be given out to respondents for the statistical representation of the findings in the study, interviews with the respondents and a few experts in this field will also be conducted.

### **3.1 Sampling method**

The method includes random sampling to represent the entire group of students in rural schools. A list of some schools in rural areas from each district education department will be obtained. This is aimed at getting to know how studies are conducted and most especially the practical ones. This research is to be conducted during school hours between 9am -5pm.

### **3.2 Questionnaires**

The questionnaire requires information still about how studies are done and the kind of equipment used. It has questions related to what the students prefer to study and what to use during studying.

## **4 Conclusion**

Students getting to rural schools receive a low quality kind of education whereas the ones attending schools in rural areas have almost everything at their disposal creating a firm bridge for them to hit their target marks in examinations that are similar to the ones that rural students sit for. Most of the teachers also admit that without adequate facilities, there is limited studying and yet these systems are entertaining to work with. Although most of these people that were queried about the project agree that cloud systems can greatly uplift their spirit to perform accordingly, some of them still look into the hinderances that may come with the installation of such systems for example theft, electricity bills and limited know how of how these

systems operate. It can be concluded that these cloud systems will be a real remedy to the cries of these people attaining education in rural areas but in pain