Abstract

Mathematics is the most widely used subject in the world. Every career uses some sort of math. It is likely impossible for a country to be successful in science and technology arena without building a solid foundation of mathematics in its educational system. The current trend of performance in mathematics at both levels of educational systems in Tanzania is declining every year. The problem is reported to be at the elementary levels of education. There is a need to improve the consistent level of mathematical skills is Tanzania. The mobile phone penetration among students is very high and there is a need for proof of concept on how those devices could be applied for enhanced learning purposes in formal education. This study explores the use of mobile phones to support students learning activities in mathematics for primary and secondary schools. A MoMath prototype is proposed as blueprint of how SMS and IVR can be leveraged to support students in studying mathematics.

References

- URU, "Big Results Now (BRN)," 2013.
MoMath: An Innovative Design of a Mobile based System for Supporting Primary School Mathematics in Tanzania

Index Terms

Computer Science

Information Sciences

Keywords

Mobile phones; Mathematics; mLearning; Primary schools; Secondary schools;