Abstract

From previous research works, it has been observed that motivating students to learn mathematics is difficult especially when presented in the traditional way or traditional teaching format. This paper presents an electronic way to combat these challenges among students and also to enhance the teaching of the subject in high schools. This tool has been designed uniquely to provide a user friendly platform that can be accessed by both students and teachers and as such allow them to appreciate the beauty of mathematics as one of the compulsory subject in high schools. Also students can learn at their own pace and convenience. The effectiveness of the system was evaluated both formally and informally. Positive student and peer feedback indicates that the design and the implementation of the system which was carried out using PHP as front-end and MySQL as the backend have been successful and that the system will have a positive impact on students in the learning of mathematics.

References


Index Terms

Computer Science

Applied Sciences
Keywords

Mathematics, E-learning, High Schools, Students, Teachers.