

Abstract

Introduction

Private sector nursing sees a mixture of registered as well as non-registered nurses. While existing systems have been tried to regularize these non-registered nurses via traditional nursing courses, problems of time and educational strategy have hampered these efforts.

Pre- Questionnaire Analysis

A pre-questionnaire was done to analyze the target group of nurses and this concluded this group as low knowledge learners with limited IT skills who preferred a problem based lesson.

Methods

A prototype online interactive learning management system was designed developed & implemented using the **A(nalyze) D(esign) D(evelop) I(mplement) E(valuate)** process, Principles of Multimedia Learning and Human Computer Interaction as well web development tools. The lesson constructed was based on problem based learning. This was followed by a chat session and quiz.

Results

An observational study design was used and 21 nursing students and staff were sent through this LMS and were asked their feedback via a feedback form. The data from the feedback form along with the LMS's built-in monitoring system was used to gauge the effectiveness of this method of instruction. Nurses were overwhelmingly in favour of an interactive, multimedia rich, problem based, and online learning experience.

Conclusions

This interactive LMS has indicated a potential benefit in training low knowledge learners like nursing students and non-registered experienced nursing staff. It is recommended that future refresher nursing courses be blended with more efficient lesson plans and more data efficient coding maintaining the interactive elements of the existing lesson.