HARRY BARRY (2008-M132-20002)

Developing an E-Learning Module for Teaching and Learning Geriatrics: A Case Study of Mbarara University of Science and Technology Faculty of Medicine

Until recently, Mbarara University of Science and Technology (MUST) has been using a more traditional classroom-based mode of teaching. This has been largely successful thanks to the availability of skilled staff in the various fields. However, with the introduction of Geriatrics course unit at the faculty of medicine, there is a looming problem of shortage of skilled personnel in that field vis-a-vis the This project explored and developed an e-learning module through the case study of MUST"s faculty of medicine. The project"s objectives were: 1) to find out the processes in the Geriatrics course unit that need e-learning support, 2) to establish the problems/shortfalls of the current system used by MUST in teaching Geriatrics, 3) to design and develop an e-learning module for MUST"s faculty of medicine, and 4) to validate the newly developed e-learning module. A multi-method research strategy included a case study and model building. Data were collected from multiple sources: document reviews, guided interviews with potential users of the system, and user observation. The tools used in system development include: MS VISIO 2003, Macromedia Dreamweaver and Fireworks, Apache Web server, MySQL database server and MS Office suite. The programming languages used include PHP, JavaScript, AJAX and embedded HTML. This report presents a description of the project and development process of the e-learning module.

Keywords: Developing, E-learning, teaching, Geriatrics, Mbarara University of Science & Technology