



## Designing an Electronic Performance Support System for Medical Students

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### Abstract

*The aim of this study was to develop an Electronic Performance Support System (EPSS) to improve medical students' performance in a module of the Good Medical Practice program in Basic Life Support courses. The study was designed and carried out using the developmental research method. The study group consisted of experts in simulation engineering and academicians in the College of Medicine at the University of Florida in US. The system was designed by taking opinions' of experts into account, as well as other issues (basic interface, simple information, modular, step by step instruction) that the literature identifies as points of consideration when developing an Electronic Performance Support System. A semi-interactive, modular, and internet-based (html 5) system was designed. The system consisted of four components; (1) User Guide and Communication, (2) What to Know Before Basic Life Support, (3) Basic Life Support for Adults, and (4) Basic Life Support for Children/Infants. In Evaluation and Revision phases, experts and academicians used the system for real environments. After using the system, they found the system very successful, and stated that the system met their expectations; they were satisfied with the system's user-friendly interface.*

**Keywords:** *Basic Life Support, Developmental Research, Performance Support, Expert Evaluation;*

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