

Student Quality Information Management System (S-QIMS) and Perceived Net Benefits in Relational Database Service

Suzette V. Lumbres¹, Dr. Edna O. Briones²

<https://orcid.org/0000-0002-1615-5723>

suzette.lumbres@deped.gov.ph¹, edna.briones@lspu.edu.ph²

Laguna State Polytechnic University, San Pablo City, Laguna, Philippines

Abstract

The study proposes the implementation of Student Quality Information Management System (S-QIMS) at Luyos National High School to improve the traditional method of paper and pen information system. This system used database concept to store all the information of each learner in one storage to help teachers, record officer, principal and stakeholders to generate information when needed using Microsoft Excel applying Visual Basic Application. An assessment on S-QIMS was done by applying experimental and descriptive methods from all the teaching personnel of LNHS. Results show that S-QIMS features are *highly observable* to the efficiency of its information quality, service quality, usability and user-satisfaction in terms of its features and *observable* on the system quality. For the level of effectiveness of implementation of S-QIMS net benefits' data processes, enhanced productivity, preventing creative counterfeit documents, process of making decisions in education and gaining time all got an interpretation as *highly effective*. Furthermore, the results also show that the net benefits and features of S-QIMS have significant relationship with each other. With these conclusions, it is recommended to implement S-QIMS to address the current issues of information system of LNHS. Also, steps to reduce the drawback should be researched to improve the process like online integration. Finally, to ensure the system's lifespan, training should be guaranteed with the assistance of a designated technically competent system administrator.

Keywords: information system, feature, net benefits, database, system quality, information quality, service quality, user-satisfaction, data processes, enhanced productivity, preventing creative counterfeit documents, process of making decisions in education and gaining time, Philippines