DEVELOPMENT OF E-LEARNING SYSTEM IN MATHEMATICS FOR GRADE V STUDENTS OF SAN ROQUE ELEMENTARY SCHOOL

Undergraduate Thesis
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ABSTRACT

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The study was conducted to develop an E-learning system in Mathematics for Grade V students of San Roque Elementary School. The system was developed for the benefit of 5th grade students and the Mathematics teacher of the said school.

The methodology used in the system was iterative development. It is composed of the following phases: requirement analysis phase, analysis and design phase, implementation phase, testing phase, and evaluation phase.

The system is composed of four (4) modules: account management module, content management module, assessment module, and report module. The account management module contains features of viewing, adding, and editing account. The content management module contained written lessons, and powerpoint lessons. The assessment module includes quizzes and examinations. The report module included students' rating and lists of students. The system has three (3) levels of access: administrator, teacher, and student. Every user has his own user ID and password.

The system was developed using PHP Hypertext Preprocessor (PHP) as the developing tool, MySQL as the database, and cross-platform web server solution stack, Apache HTTP Server, MySQL database and interpreters for scripts written in the PHP and Perl programming languages (XAMPP) server as the localhost. Adobe Dreamweaver was used in developing the design of the system and Adobe Photoshop and Illustrator for the system design.