

ABSTRACT

The purpose of this independent study at Naresuan University, Phayao Campus is to design and develop Internet applications tools necessary for delivery of online course management systems. The study is divided into two major areas including the development of a course management system that enable lessons to be created on the Internet. The second area of the study is to develop a system that enable examinations and course exercises to be conducted online. The approaches and methods of this independent study includes system analysis and design, investigating the theory and process required to set up an online examination, design and write all code necessary for the application, install and setup the application, and finally, assessing online learning outcomes and evaluating course effectiveness through the users such as 1) lecturer, 2) students, and 3) system administrator.

This Internet Course Management Tools runs on Windows 2000 Server, PHP and ASP by connecting to MySQL database server. Studies indicate that the development and uses of online course management system can be used to introduce participants to the new teaching and learning paradigms of the information age. The system would also foster a sense of collaborative learning and help facilitate learning process by decrease the amount of time that lecturer spend on checking the exam papers and exercises and reduce the risk of mistakes.