



Using Technology Acceptance Model to Investigate the Adoption of Information System for the Qualification of Curriculum Standard and Teacher Professional Production of Faculty of Education, Bansomdejchaopraya Rajabhat University

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Abstract

The purpose of this study is to propose a unified model integrating the technology acceptance model (TAM) to investigate the intention to use information system for data collection and qualification of curriculum standard and teacher professional production at Faculty of Education, Bansomdejchaopraya Rajabhat University. This study is quantitative research. The instrument was a questionnaire with the samples of 375 participants who were students of Bachelor of Education in 2020. The statistics used in this research were frequency, percentage, mean and standard deviation. Structural equation modeling was conducted to test the research hypotheses. The results show that behavioral intention (INT) factor was dependent on the direct influence of perceived usefulness (PU) factor and was dependent on the direct and indirect influence of perceived ease of use (PEOU).

Keywords: Information System, Technology Acceptance Model, Bachelor of Education.

1. Introduction

At present, the web application is a very popular technology. Web applications are widely used because the infrastructures of network technology have been developed to be widely accessible. The web application is a technology to propose documents, which consists of text, images, sound, and animation

through the internet. Web application presents various information by the specified objectives. In addition, the web application is very compatible with database systems [1].

Bansomdejchaopraya Rajabhat University is an educational institution at the higher education level. The most important process of Bachelor of Education programs is the teaching professional experience process, which is quality controlled by the Faculty of Education, Bansomdejchaopraya Rajabhat University and the Secretariat Office of the Teachers' Council of Thailand. This process is coordinated with lecturers from the university and supervisory teachers from schools for quality control of teacher students in the courses include practicum 1, practicum 2, internship 1, and internship 2. In the past, faculty would have students requested their program to collect preliminary data, which found that the problem was the collected data files were modified. There are mistakes, incorrect data, and not up to date data. As a result, the school often misrepresented information. Therefore, the web application has been used to manage information, and to facilitate further application for the qualification of curriculum standard and teacher professional production. Figure 1 presents the use case diagram of the information system which includes student functions, supervisor functions, supervisor administrator functions, and administrator functions [2].

Considering the adoption of information system for the qualification of curriculum standard and teacher professional production of Faculty of Education, Bansomdejchaopraya

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