Thesis title: THE DEVELOPMENT OF WEB-BASED INFORMATION SYSTEM FOR DEPARTMENTAL MANAGEMENT SUPPORT: A CASE OF BUSINESS COMPUTER DEPARTMENT OF VOCATIONAL INSTITUTE OF THE NORTHEASTERN 6, SISAKET TECHNICAL COLLEGE

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ABSTRACT

The purpose of the research was to develop an information system for departmental management support to be used at Business Computer Department of Vocational Institute of the Northeastern 6, Sisaket Technical College.

This study was research and development. The system development life cycle methodology was used. A feasibility study was conducted through interviews with users including some administrators, instructors, and students of the Business Computer Department. Furthermore, an observation of their operation with various kinds of departmental information was also conducted. These two methods helped the researcher in finding the current problems of using those kinds of information by the users. The analysis and design of a new system were carried out accordingly.

The information system consisted of 2 main subsystems: 1) the subsystem that supported general management of the department including the organizational structure, the operational plans and schedules, the materials and equipment, and news; and 2) the subsystem that supported teaching and learning of the department including, lesson plans, classroom schedules, teaching schedules, contact information of students and graduates, instructors' general information and departmental web board.

The PHP language, MySQL Database Management System, Macromedia Dreamweaver MX, and Microsoft Word 2000 under Microsoft Windows XP operating system were used as research tools.

The information system could support the departmental management, both in terms of general matters and teaching and learning. The evaluation of the information system revealed that most users were very satisfied with the overall system.

Keywords: Information System Development, Vocational Institution Management