

# SCHOOL HEALTH ADMINISTRATION USE BY KNOWLEDGE MANAGEMENT SYSTEM TECHNIQUE

Unchalee Kunju\* & Somkiat Korbuakaew\*\*

\* *Student Development Division, Suan Sunandha Rajabhat University, Bangkok, Thailand,*

\*\* *Demonstration School of Suan Sunandha Rajabhat University, Bangkok, Thailand,*

*E-Mail: \*unchalee.gu@ssru.ac.th, \*\* Somkiat.Ko@ssru.ac.th*

## ABSTRACT

This research aims to design, budgetary planning for drugs and medical supplies use within The Demonstration School of Suan Sunandha Rajabhat University and prepare to cope with the incidence of the disease in The Demonstration School. This includes developing the staff's individual work potential by using the Knowledge Management System and Information Technology Management System for Medical Records. Data were collected by interview, observation, and synthesis, which consists of 1 deputy general director and 1 dean, 3 heads of the office, 8 staffs, and 7 other related staffs. The total number is 20 people. Then analyzed and designed for the School Health Administration by developing performance on budget management, employee training, internal network system, create relationships with outside the organization and preparing for to cope with the incidence of the disease.

**Keywords:** Knowledge Management System, Technique, School Health Administration

## INTRODUCTION

There are three factors of Knowledge Management System, which are people, process and technology. For the work-problem-solving by developing models, techniques, and tools for efficient use. [1] Knowledge Management System is used for exchanging the experiences to create new knowledge and to compliance as a work process with participation on decision-making within the institution. [2] When the exchanged information increased in term of paperwork, the Information Technology System will be a crucial part in maximizing information storage and reporting results efficiently, the exchange of knowledge with the support of the leader creates the innovation and new processes have benefited from improving knowledge. [3] Mobile Health unit uses M-Health System, which is the cooperation of the computer and information technology for effective ICT services worldwide. This application can be used with a mobile phone and other electronic devices to gather and share health information. Moreover, this includes real-time medical services, which improve medical outcomes and lead to health follow up and improve on the medical system. [4] Health Administration System brings knowledge and Information Technology System to reduce errors and cooperation between service providers and service recipients who require accurate and fast work. Moreover, the information is used for enhancing decision-making for management processes in the operation of the organization. [5] The Knowledge Management System is Brought out for the quantitative survey in order to enhance decision-making so as using the expertise's comment to information recording problem solve, interpretation and medical progress so as an advancement on structural engineering and knowledge management. [6]

The Knowledge Management System and the usage of technological information on educational administrative system at Suan Sunandha Rajabhat University in order to identify the study course code for faster, more convenient and less complicated registration system, including self add-withdrawn classes by using circular as a guide book, the grade submission system for lecturer and tracking study result (grades) for students. [7] There is also research on the availability of educational personnel at Suan Sunandha Rajabhat University for quality assurance of EdPEX and to compare the readiness level of work experience, position, and experience. [8] However, it was found that there is no use of Knowledge Management System and Information Technology System for medical administrative purpose, which is an important part of the school health administration.

Researcher aimed to bring the Knowledge Management System, Information Technology Management System for Medical Records and Administrative System for Administrator purposes as a technique to analyze and design of health management within the Demonstration School of Suan Sunandha Rajabhat University. In order

to maximize potential on health budget management, employee training, internal network system, creates relationships with outside the organization and prepare to cope with the incidence of the disease.

### OBJECTIVE

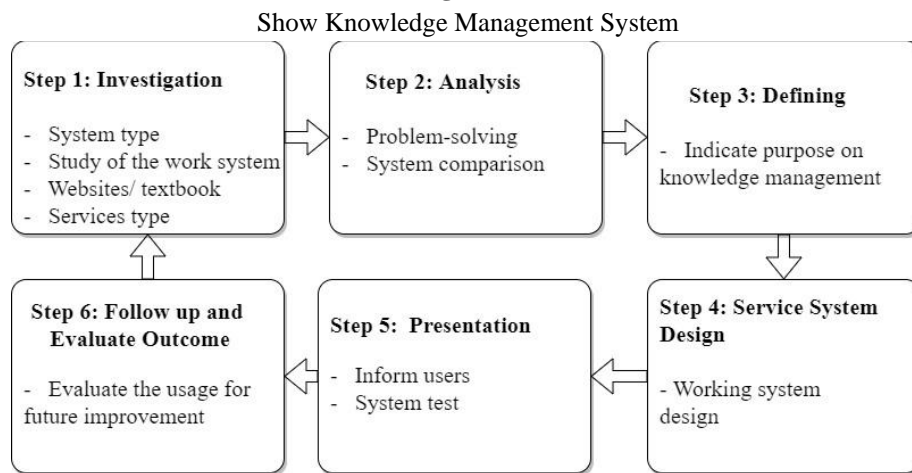
- 1) To design, the budgetary planning for drugs and medical supplies use within the Demonstration School of Suan Sunandha Rajabhat University and maximize staff performance.
- 2) To create an internal connection system and an external communication system.
- 3) To plan and prepare to cope with the incidence of the disease in The Demonstration School.

### METHODOLOGY

This research consists of three components that are used as a technique to design the school health administration which are

- 1) Knowledge Management System, which consists of six processes as shown in Figure 1

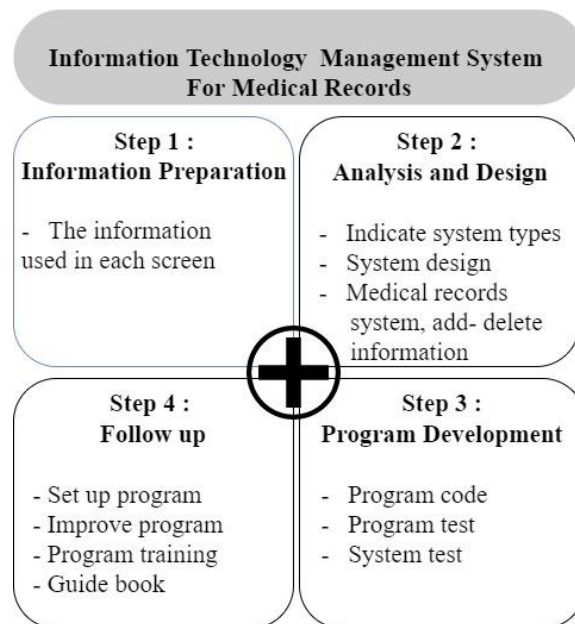
**Figure 1.**



- 2) Information Technology Management System for Medical Records of Demonstration School of Suan Sunandha Rajabhat University consists of four processes as shown in Figure 2

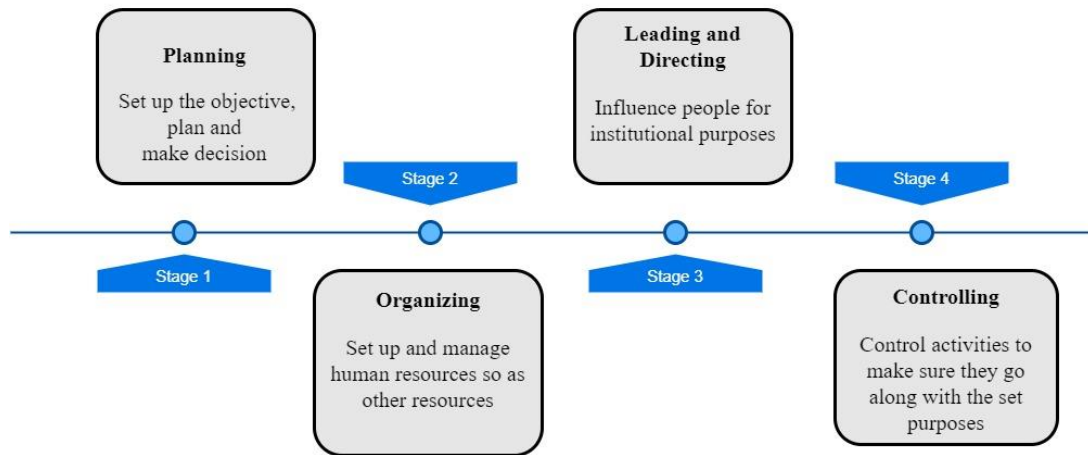
**Figure 2.**

Show Information Technology Management System For Medical Records



3) Administrative System for Administrator consists of four processes as shown in Figure 3.

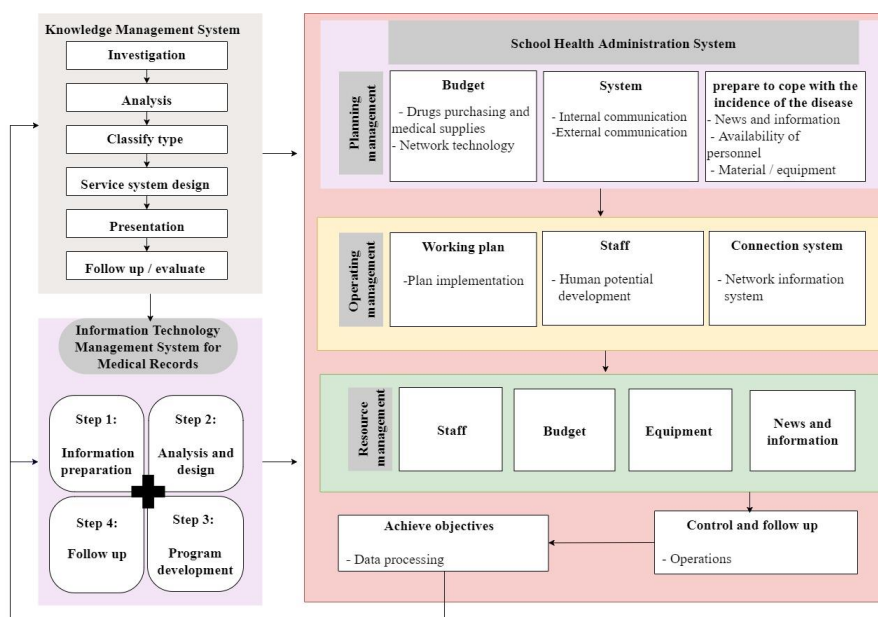
**Figure 3.**  
Show Administrative System For Administrator



## RESULTS

The result found that the Knowledge Management System can improve staff potential and can be used for the design of the Information Technology Management System for Medical Records for Demonstration School of Suan Sunandha Rajabhat University. This system shows a data source of service users, medical equipment usage and reports the feedback of the services. Administrative System for Administrator makes management concept. In order to the school health administrator on decision-making and can be used to analyze and design of School Health Administration. This includes five parts, 1) Planning management: Budget, System, Prepare to cope with the incidence of the disease, 2) Operating management: Working plan, Staff, Connection system, 3) Resources management: Staff, Budget, Equipment, News, and information 4) Control and follow up 5) Achieve objectives as shown in Figure 4

**Figure 4.**  
Show School Health Administration Cycle Model



## CONCLUSION AND FUTURE WORK

The system analysis and design can be created Model for School Health Administration Cycle by three components; Knowledge Management System, Information Technology Management System for Medical Records and School Health Administration consists of five parts, which are Planning management, Operating management, Resources management, Control and follow up and Achieve objectives. Conceptual in the future development of the decision-making system for the administrator on the smartphone device platform.

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