SCHOOL HEALTH ADMINISTRATION
USE BY KNOWLEDGE MANAGEMENT SYSTEM TECHNIQUE

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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 vice president, 2 deans, 4 heads of the office, 8 staffs, and 5 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 The 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 in 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 efficiency, 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 of 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 The EdPEx to compare the readiness level of work experience and job positions. [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 the outside organization and prepare to cope with the incidence of the disease.
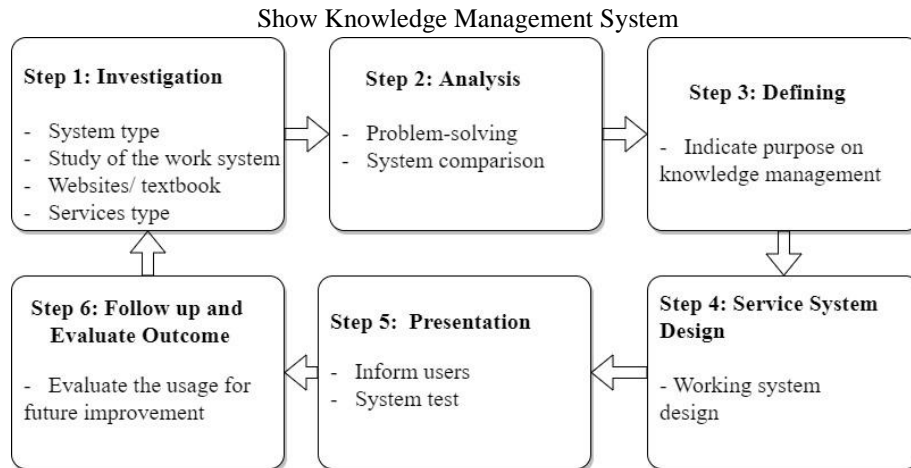
OBJECTIVE

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

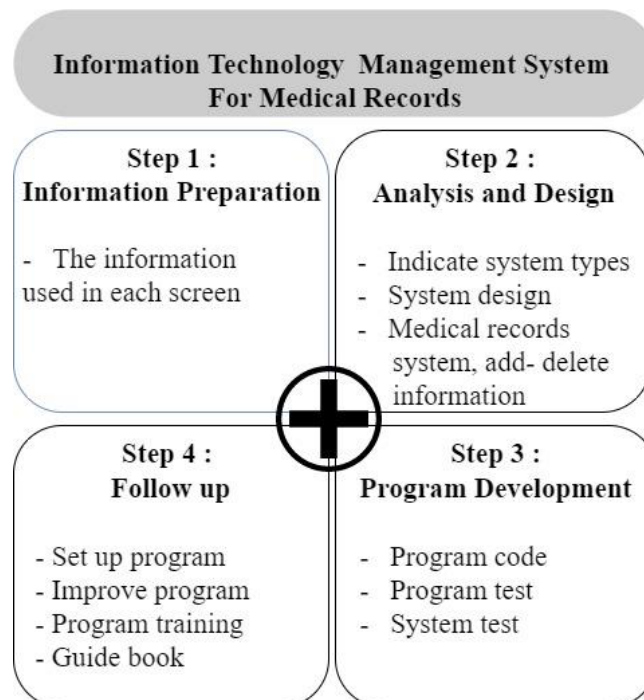1) Knowledge Management System, which consists of six processes as shown in Figure 1

Figure 1.

Show Knowledge Management System

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
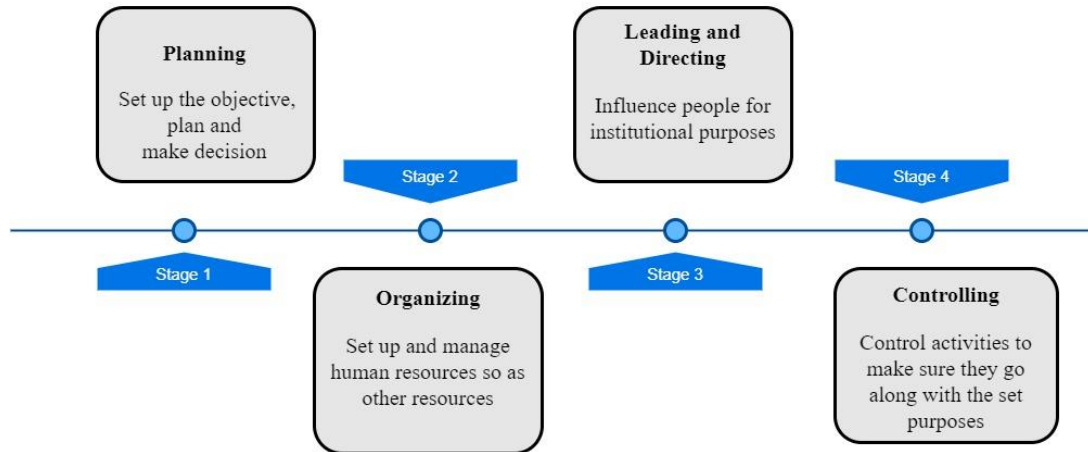
Figure 2.

Show Information Technology Management System For Medical Records

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

Figure 3.
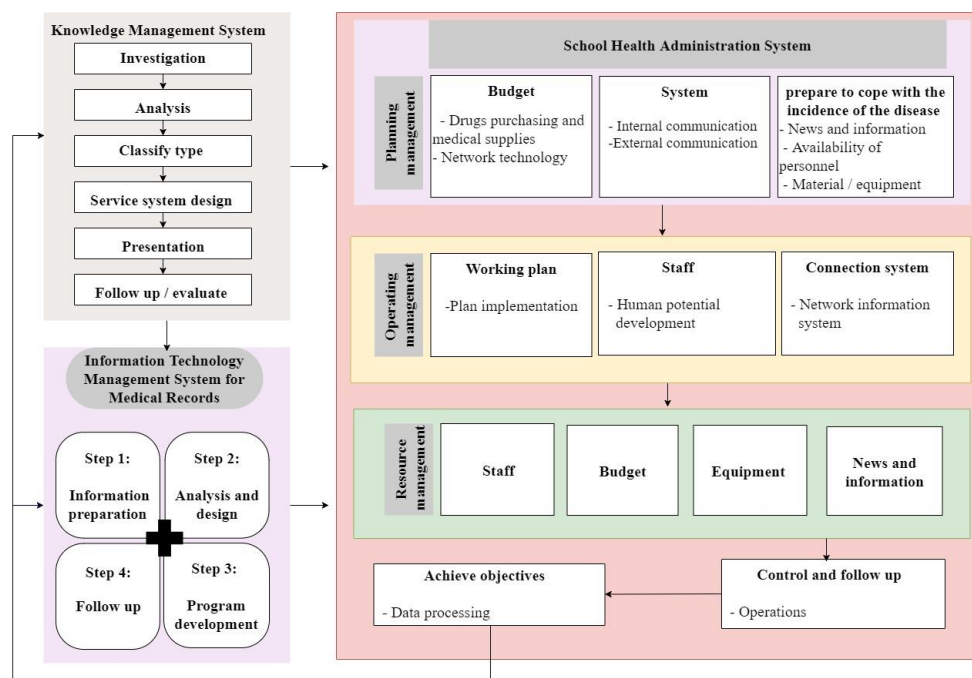Show Administrative System For Administrator

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 The 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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REFERENCES

[1] Leila Shahmoradi, Reza Safadari, & Worku Jimma. (2017). Knowledge Management Implementation and the Tools Utilized in Healthcare for Evidence-Based Decision Making: A Systematic Review. Retrieved from https://www.ncbi.nlm.nih.gov/pmc/articles/PM/ 5615016.

[2] Haradhan Kumar Mohajan. (2016, 16 July). An Analysis of Knowledge Management for the Development of Global Health. American Journal of Social Sciences, 4(4) pp. 38-57.

[3] Hanife Rexhepi & Anne Persson. (2014) .Knowledge Management Processes to Support Evidence-Based Practice in Healthcare – a Swedish Case Study. Retrieved from http://www.semantic-web journal.net/content/knowledge-management-processes-support-Evidence-based-practice-healthcare-%E-93%80%2 Swedish-case.

[4] Nadeem Mahmood, Aqil Burne, Zain Abbas & Kashif Rizwan. (2012, July) .Data and Knowledge Management in Designing Healthcare Information Systems. International Journal of Computer Applications, (0975 – 8887), 50(2), p.34.

[5] Gunasekaran Manogaran, Chandu Thota, Daphne Lopez, V. Vijayakumar, Kaja M. Abbas & Revathi Sundarsekar. (2017). Big Data Knowledge System in Healthcare. Co-creation and Participatory Design of Big Data Infrastructures on the Field of Human Health Related Climate Services, pp.137-157.

[6] Maria Carolina & Herrera-Hernandez. (2012, January). Engineering of a Knowledge Management System for Relational Medical Diagnosis ,Doctor of Philosophy Department of Industrial Systems Engineering and Management College of The Engineering University of South Florida.

[7] Dean Peng Dountanu and Sansanee Jasuwan. (2014, July – December) . Knowledge Management in Academic Administration of Suan Sunandha Rajabhat University. Journal of Educational Administration Silpakorn University, 5(1), pp. 311-319.

[8] Somkiat Korbuakaew. (2017, May). The Readiness of The Suan Sunandha Rajabhat University Education Personnel for The EDPEX Quality Assurance. International Journal of Management and Applied Science, 3(5), pp.11-14.