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Process for requesting financial support for research presentations using the Smart Operation System (SOS) of Faculty of Fine and Applied Arts personnel. Suan Sunandha Rajabhat University

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Abstract.

The study of the process of requesting for financial support for research presentation using the Smart Operation (SOS) system of the personnel of the Faculty of Fine and Applied Arts, Suan Sunandha Rajabhat University aimed to study the process of requesting for financial support for research presentation using the Smart Operation (SOS) system of the personnel of the Faculty of Fine and Applied Arts, Suan Sunandha Rajabhat University. By allowing personnel of the Faculty of Fine Arts, Suan Sunandha Rajabhat University to apply for funding to support research presentations, submit evidence, and report research presentations via online systems, reducing the use of resources in the organization and creating innovations in personnel work to drive the organization to achieve maximum efficiency and effectiveness.

The research results found that the needs and expectations for requesting research presentation support funds with the work support system for Suan Sunandha Rajabhat University Smart Operation (SOS) units were mostly at the highest level. When classified by item, items with an average of 5 were: Support for faculty personnel to disseminate research results, having clear instructions on how to use the Smart Operation (SOS) system, and an average of 4.55, including publicizing academic conferences, having examples of research presentation report forms at academic conferences. Next was the need for clear explanations of conditions for requesting research presentation support funds, with an average of 4.44, the need for coordination with the Human Resource Development Fund, with an average of 3.55, and the need for academic support personnel who have knowledge about requesting research presentation support funds with the Smart Operation (SOS) system, with an average of 3.44.

Keyword: Smart Operation, R2R, Academic support

1. Introduction

Suan Sunandha Rajabhat University has core missions in graduate production, research, academic service to society, and the preservation of arts and culture. Research is a crucial mission of Suan Sunandha Rajabhat University, and it must be conducted in accordance with the standards of the Ministry of Higher Education, Science, Research and Innovation.

The Faculty of Fine Arts, Suan Sunandha Rajabhat University, is a part of Suan Sunandha Rajabhat University. Its mission includes teaching, research, and academic service. The Faculty of Fine Arts offers undergraduate and graduate programs in 10 disciplines, as follows:

Doctoral degree programs are offered in two fields: Performing Arts and Visual Arts and Design.

Master's degree level, in 2 programs: Performing Arts and Visual Arts and Design.

Bachelor's degree programs are offered in 6 fields: Music, Performing Arts, Painting, Graphic Design, and Fashion and Lifestyle Design.

The Faculty of Fine Arts, Suan Sunandha Rajabhat University, places importance on research activities conducted by its personnel, both academic and support staff. This is aimed at improving work efficiency, as organizational factors in various aspects are crucial. Higher organizational factors lead to higher work efficiency (as stated by Pharada Sawadkarn et al. (2021)). Promoting and developing research potential, as well as creating research experiences, helps researchers disseminate knowledge gained from their research, facilitating knowledge exchange and experience sharing with other researchers and academics. Each presentation of research findings involves expenses, which personnel can finance through the Suan Sunandha Rajabhat University Personnel Development Fund via the Smart Operation (SOS) system. A common problem encountered by researchers is that personnel submitting information and supporting documents for funding applications do not understand the system's procedures, data entry, and required documents.

Recognizing the importance of this issue, the researchers will study the process of applying for research funding through the Smart Operation (SOS) system for personnel of the Faculty of Fine Arts, Suan Sunandha Rajabhat University. This will be highly beneficial in making the process of applying for research funding for personnel more efficient.

1.1 Research Objective

To study the process of applying for research funding through the Smart Operation (SOS) system for personnel of the Faculty of Fine Arts, Suan Sunandha Rajabhat University.

2. Literature review

2.1.1 The Meaning of Process

The Royal Institute Dictionary (2000) defines process as a natural phenomenon that gradually and orderly changes towards a certain result, such as the process of a child's growth; or a method or sequence of actions that are carried out continuously until completion at a certain level, such as a chemical process to produce something.

A business process refers to the steps involved in doing something from start to finish. In the context of business processes, it encompasses the stages of conducting business, beginning with investing in fixed assets, leading to operations that produce goods for the market, generate revenue, and resulting in net profit after deducting operating expenses (Anonymous 2016: Online).

2.1.2 Presentation of Research Results

Once researchers have completed all research processes and discussed the research results, disseminating the results to the public in the form of research articles in national or international journals, or in the form of oral presentations or posters at national or international academic conferences, is an important component in academic development and educational quality assurance. Furthermore, it provides researchers with the opportunity to disseminate their work

in the international academic community in their area of expertise (Saiwarun Champaval and Usahaporn Sukharom (2014)).

2.1.3 Smart Operation System (SOS)

The Smart Operation System (SOS) is an operational support system for departments at Suan Sunandha Rajabhat University. Following the policy of the President, senior management, and the University Council, the importance of driving the university towards becoming a digital university has been recognized. This involves developing a platform that supports teaching and learning, as well as internal university management systems. Such systems require stable network resources. Currently, the university's internal infrastructure has been in use for more than 15 years. Therefore, infrastructure upgrades and information system development have been undertaken, with the Smart Operation System (SOS) being one of the organizational management systems implemented by Suan Sunandha Rajabhat University.

3. Methodology

This study on the process of applying for research funding through the Smart Operation (SOS) system by personnel of the Faculty of Fine Arts, Suan Sunandha Rajabhat University, aims to examine the process of applying for research funding through the Smart Operation (SOS) system by personnel of the Faculty of Fine Arts, Suan Sunandha Rajabhat University. The researcher followed the research methodology as follows:

3.1 Research Methodology (Sample group, Study methods, Location, Time period, Data analysis)

3.1.1 Population and Sample

3.1.2 Research Methodology

3.1.3 Location

3.1.4 Study Duration

3.1.5 Data Analysis

3.1 Research Methodology

3.1.1 Population and Sample

3.1.1.1 Population

The population used in this research was the personnel of the Faculty of Fine Arts, Suan Sunandha Rajabhat University.

3.1.1.2 Sample Group

Those who provided information in response to the questionnaire included support staff and academic staff of the Faculty of Fine Arts, Suan Sunandha Rajabhat University.

3.1.2 Research Methodology

3.1.2.1 Define the research objectives and scope.

3.1.2.2 Review relevant literature and theoretical concepts.

3.1.2.3 Create tools for data collection.

Questionnaire

This questionnaire utilizes both open-ended and closed-ended questions, including dichotomous questions (single-answer choices) and rating scale questions (Likert scale questions), to obtain both quantitative and qualitative data for research and to develop or create new knowledge. The questionnaire has three parts:

Part 1 consists of a general information questionnaire using multiple-choice questions. The required information includes gender, age, marital status, education level, and experience using the Smart Operation (SOS) system for Suan Sunandha Rajabhat University.

Part 2 is a questionnaire regarding the needs/expectations for applying for research funding through the Suan Sunandha Rajabhat University Smart Operation (SOS) system.

User satisfaction with the Research and Academic Service Development Division, Faculty of Fine Arts, Suan Sunandha Rajabhat University, was assessed using a rating scale method (Likert Scale Questions). Each question had five answer choices, divided into five levels to measure readiness, as follows:

Highest level = 5 points

High level = 4 points

Medium level = 3 points

Low level = 2 points

Lowest level = 1 point

Part 3 consists of questionnaires for collecting other opinions and suggestions from respondents. These are open-ended questions requiring descriptive responses.

The quality of the instrument was assessed using a validity method. The draft questionnaire underwent content and structural validity testing, and was then presented to experts for content validity and linguistic appropriateness review. Feedback was then used to revise the questionnaire.

3.1.3 Location

Faculty of Fine Arts, Suan Sunandha Rajabhat University

3.1.4 Study Duration

October 1, 2023 – August 31, 2024

3.1.5 Data Analysis

The data analysis for this research is as follows:

1. Analyze the general information of the respondents, including gender, age, type of personnel, affiliation, educational level, and length of service.
2. Analyze the needs for applying for research funding through the Suan Sunandha Rajabhat University Smart Operation (SOS) system.
3. Analyze opinions and suggestions regarding the use of the Suan Sunandha Rajabhat University Smart Operation (SOS) system.

Statistical analysis methods are used, including descriptive statistics, rating scales, and the calculation of the mean (\bar{x}).

Formula for calculating the average. (Mean : \bar{x})

$$\bar{x} = \frac{\sum X}{n}$$

when $\sum X$ is the total sum of all the scores of the group

n is the total number of respondents

The criteria for interpreting the meaning are as follows:

- **Mean 4.50 - 5.00:** Very High Level
- **Mean 3.50 - 4.49:** High Level
- **Mean 2.50 - 3.49:** Moderate Level
- **Mean 1.50 - 2.49:** Low Level
- **Mean 1.00 - 1.49:** Very Low Level

4. Result

From a research study on the process of applying for research funding using the Smart Operation (SOS) system by personnel of the Faculty of Fine Arts, Suan Sunandha Rajabhat University.

Summary of general information findings of the respondents:

Gender: The majority of respondents were female, accounting for 60%, followed by males at 40%.

Regarding age, the majority of respondents were between 30-39 years old, accounting for 44.44%, followed by those 40 years and older at 33.33%, and those between 20-29 years old at 22.22%.

Regarding their employment status, the survey found that the majority of respondents were academic staff, accounting for 55.55%, followed by support staff at 44.44%.

Regarding highest educational attainment, the survey found that the majority of respondents held a master's degree 55.55%, followed by a bachelor's degree 26.66%, and a doctoral degree 17.77%.

Regarding the duration of employment, the survey found that the majority of respondents had worked for 5 years or more, accounting for 88.88%, followed by 3-4 years of employment at 6.66%, and 1-2 years at 4.44%.

Regarding experience in applying for research funding, the survey found that the majority of respondents had applied for funding 1-2 TIMES 51.11%, FOLLOWED BY THOSE WHO HAD APPLIED 2 OR MORE TIMES 44.44%, AND THOSE WHO HAD NEVER APPLIED FOR FUNDING 4.44%.

Results regarding the needs and expectations for applying for research funding through the Smart Operation (SOS) system at Suan Sunandha Rajabhat University.

Considering each item individually, the following items received the "highest" level of need: Support for faculty members to disseminate research findings; clear instructions and usage guidelines for the Smart Operation (SOS) system average 5; publicizing academic conferences average 4.55; providing sample forms for research presentation reports average 4.55; clear explanations of the conditions for applying for research funding average 4.44; coordination with the Personnel Development Fund average 3.55; and academic support staff having knowledge about applying for research funding through the SMART OPERATION (SOS) system average 3.44.

A study of the research funding application process using the smart operation (sos) system for faculty members of the faculty of fine arts, suan sunandha rajabhat university, revealed that the system is quite complicated due to the lack of clear documentation specifying required documents. As a result, many faculty members struggled to understand how to use the smart operation (sos) system. Therefore, a more detailed and clear user manual is needed to reduce problems and simplify the research funding application process. Additionally, there is a need for more diverse channels for publicizing academic conferences.

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