

Guidelines for Reading Student Learning Reports on the FlexSpace Platform: a Case Study of General Education Courses of Suan Sunandha Rajabhat University

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Abstract

This research aims to develop a "Guidelines Manual for Reading Student Learning Reports on the FlexSpace Platform" and to assess the satisfaction levels of instructors, teaching assistants, and system administrators regarding the utilization of this manual in their practice of interpreting student performance metrics on the learning platform. The study targeted a sample population of 30 participants, including instructors, teaching assistants, and system administrators, who provided insights through a structured evaluation of the manual using a five-point Likert scale. The evaluation process focused on personnel involved in managing general education courses on the FlexSpace platform, facilitating effective data collection and analysis. The research design comprised three main sections in the assessment questionnaire: Section 1 collected general demographic information about the participants; Section 2 queried their levels of agreement and satisfaction regarding the activities outlined in the manual; and Section 3 invited open-ended feedback and suggestions for improvement. Data analysis was conducted using descriptive statistics, including percentages, means, and standard deviations, to quantify participant responses and gauge overall satisfaction. The findings from this study are intended to provide valuable insights into the efficacy of the guidelines manual, highlighting areas of strength and opportunities for enhancement in its application. Ultimately, the research contributes to improving the effectiveness of reading student learning reports, which can foster a more informed approach to student performance evaluation on the FlexSpace platform.

Keywords: Administrator, FlexSpace Platform, Grade Report

1. Introduction

Lifelong learning, a key 21st-century skill, fosters active citizenship and connects individuals to local and global communities. Emphasized in Thailand's education policies and supported by online platforms like edX and Coursera, lifelong learning has become more accessible, efficient, and cost-effective. Research continues to support its growth through digital learning tools. (Chaisongkram, P. 2020)

The Office of General Education and Electronic Learning Innovation at Suan Sunandha Rajabhat University plays a pivotal role in delivering general education courses at the undergraduate level. Given the extensive scale of these classes, Teaching Assistants (TAs) provide support in class management and instructional facilitation, while course website Administrators are responsible for content management, troubleshooting, and managing student memberships

on the platform. Recently, the Office has adopted the FlexSpace Platform to enhance learning efficiency by utilizing this globally recognized, flexible learning management system, or the web-based educational system, with no longer barrier by space and time, has been increasingly used as a significant tool to support students and teachers. The benefits of the system are to facilitate information sharing and collaboration and to communicate between student and instructor in a course or activity. (Kularbphetong, K. 2012)

Creating a "User Guide for Reading Student Learning Reports on the FlexSpace Platform" is crucial for Administrators in educational organizations to improve understanding of the processes involved in managing learning outcomes and planning coursework. This guide aims to equip Administrators with a solid grasp of the FlexSpace Platform's reporting tools, thereby fostering transparency and enhancing insights into students' learning progress. Additionally, it can aid in addressing learning inefficiencies and improving students' academic performance.

The Office, therefore, has undertaken this research to develop a comprehensive, step-by-step guide for course website Administrators in the Office of General Education, providing an essential resource for assessing student grades and managing learning outcomes effectively on the FlexSpace Platform.

1.1 Research Objective

This research study was aimed to

- 1) To enhance understanding of the process for reading student performance reports on the FlexSpace Learning platform and to enable effective application of this knowledge.
- 2) To develop a guidelines manual for reading student learning reports on the FlexSpace Learning platform.

2. Conceptual Framework

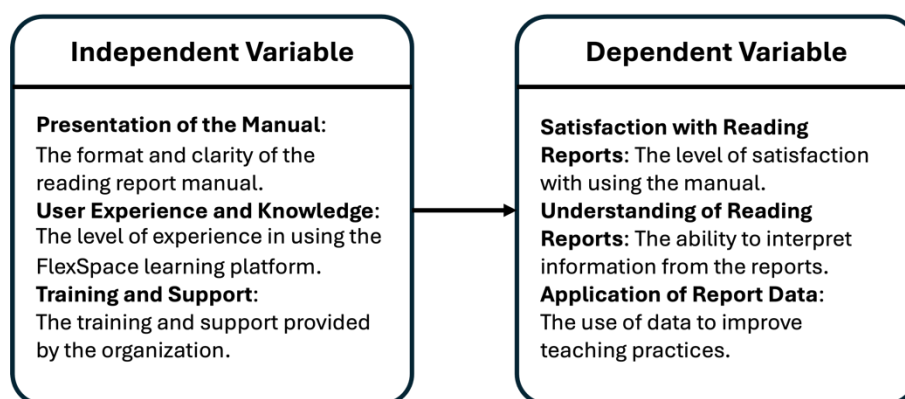


Figure 1. Conceptual Framework of the Study

The conceptual framework illustrated in Figure 1. depicts the relationship between the independent variables and the dependent variables in our study. In the research titled "Guidelines Manual for Reading Student Learning Reports on the FlexSpace Platform," the establishment of a conceptual framework is essential for understanding the relationships between the factors influencing the reading of student learning reports.

Beginning with the independent variables, which play a crucial role, the presentation of the reading report manual is emphasized. This includes the format and clarity of the manual created, where ease of understanding and detailed explanations of the steps for reading the reports will enable users to apply it effectively. Additionally, the experience and knowledge of users regarding the utilization of the FlexSpace platform are also significant. A higher level of experience will likely enhance users' abilities to interpret data from reports accurately. Finally, the training and support received from the organization will help build confidence and skills in correctly reading the reports.

Next are the dependent variables that will be assessed in this research. These include satisfaction with reading reports, which reflects users' feelings toward the use of the manual and the process of reading reports. Understanding of the reading reports is also a key aspect, as it will gauge users' ability to interpret and analyze information accurately. Furthermore, the application of report data pertains to how users incorporate the information into improving their teaching practices and managing the learning process.

The relationship between these independent and dependent variables will facilitate an analysis and understanding of the various factors that impact the reading and interpretation of student learning reports effectively. The insights gained from this research will serve as a guideline for developing a reading report manual that meets the needs of users in the future.

3. Methodology

This research aims to develop a Guidelines Manual for Reading Student Learning Reports on the FlexSpace Platform and enhance understanding of the processes involved in reading these reports. The following methodology outlines the approach taken to achieve these objectives:

Population and Sample Selection: The study focuses on a population of 30 personnel responsible for managing general education courses on the FlexSpace platform. These individuals will provide insights into the effectiveness of the reading report manual.

Scope of Content and Timeline: The development of the reading report manual is set to occur from January 1, 2024, to August 31, 2024. This timeframe allows for thorough research and analysis of the necessary content.

Research Instruments

The research utilizes two main instruments:

1. **Guidelines Manual for Reading Student Learning Reports on the FlexSpace Platform:** This manual serves as the primary resource for users, detailing the steps and procedures for effectively interpreting student learning reports.
2. **Satisfaction Questionnaire:** The researcher created a questionnaire to assess users' satisfaction with the usability and effectiveness of the reading report manual.

Instrument Development

Data analysis in this study employs the following methods:

1. **Qualitative Analysis:** Data from the manual and user feedback will be analyzed using content analysis techniques to derive percentage values and means.
2. **Quantitative Analysis:** A participation evaluation will utilize the mean scores as follows:
 - Mean score 1.00 – 1.49: Very Low Opinion
 - Mean score 1.50 – 2.49: Low Opinion

- Mean score 2.50 – 3.49: Moderate Opinion
 - Mean score 3.50 – 4.49: High Opinion
 - Mean score 4.50 – 5.00: Very High Opinion
3. **Study Location:** The research will be conducted at the Office of General Education and Innovative Electronic Learning at Suan Sunandha Rajabhat University.
 4. **Study Duration:** The research will be conducted over a period from January 2024 to August 2024.

Data Collection and Statistical Analysis

1. **Demographic Analysis:** The personal status of respondents will be analyzed using percentage values.
2. **Activity Evaluation:** Opinions regarding the activities will be assessed through a survey.
3. **Satisfaction Analysis:** User satisfaction with the manual will be evaluated using the arithmetic mean (Mean) and standard deviation (S.D.). The mean will be calculated using the formula:

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

where \bar{X} is the arithmetic mean, $\sum x$ is the sum of all data values, and n is the total number of data points. The percentage will be calculated as follows:

$$S.D. = \sqrt{\frac{\sum(x - \bar{x})^2}{n - 1}}$$

The standard deviation $S.D.$ will also be calculated using established formulas to measure the dispersion of responses.

4. Results

The main objective of this research is to assess the satisfaction with the development of the Guidelines Manual for Reading Student Learning Reports on the FlexSpace Platform. The satisfaction evaluation covers three aspects: 1. Design of the Manual, 2. Content of the Manual, and 3. Application of the Manual. The survey was conducted with 30 respondents, and statistical analyses, including Mean and Standard Deviation (S.D.), were employed. The results are as follows:

Table 1. Satisfaction with the Design of the Manual

Evaluation Item	Mean	S.D.	Interpretation
The size of the manual is appropriate and compact	4.47	0.51	High
The color and cover design are appealing	4.83	0.38	Very High
The font style is easy to read and aesthetically pleasing	4.87	0.35	Very High
Average	4.72	0.41	Very High

Table 1 shows the evaluation of satisfaction with the design of the manual by 30 research participants. Overall, the satisfaction level in this aspect is 4.72, with a standard deviation of 0.41, indicating a "Very High" level of satisfaction.

Table 2. Satisfaction with the Content of the Manual

Evaluation Item	Mean	S.D.	Interpretation
The content is easy to understand	4.67	0.48	Very High
The content is up-to-date	4.77	0.43	Very High
The content meets user needs	4.63	0.49	Very High
The content is organized and easy to follow	4.47	0.51	High
The content is sequentially structured and well-connected	4.87	0.35	Very High
The content helps seniors understand the principles and operations of the senior club	4.47	0.51	High
The content helps the general public understand the principles and operations of the senior club	4.67	0.48	Very High
Average	4.64	0.46	Very High

Table 2 shows the evaluation of satisfaction with the content of the manual by 30 research participants. Overall, the satisfaction level in this aspect is 4.64, with a standard deviation of 0.46, indicating a "Very High" level of satisfaction.

Table 3. Satisfaction with the Application of the Manual

Evaluation Item	Mean	S.D.	Interpretation
Service quality of staff	4.83	0.38	Very High
Coordination by course staff	4.43	0.77	Very High
Staff assistance	4.80	0.41	Very High
Staff guidance and response to questions	4.73	0.45	Very High
Average	4.70	0.50	Very High

Table 3 shows the evaluation of satisfaction with the application of the manual by 30 research participants. Overall, the satisfaction level in this aspect is 4.70, with a standard deviation of 0.50, indicating a "Very High" level of satisfaction.

Table 4. Summary of Satisfaction Across All Aspects

Evaluation Item	Mean	S.D.	Interpretation
Design of the Guidelines Manual	4.72	0.41	Very High
Content of the Guidelines Manual	4.64	0.46	Very High
Application of the Guidelines Manual	4.70	0.50	Very High
Overall Average	4.69	0.46	Very High

Table 4 summarizes the satisfaction across the three aspects for 30 research participants. The overall satisfaction level is 4.69, with a standard deviation of 0.46, indicating a "Very High" level of satisfaction.

5. Conclusion

The study aimed to develop and evaluate a Guidelines Manual for Reading Student Learning Reports on the FlexSpace Platform, an educational tool used within the General Education and Innovative Electronic Learning at Suan Sunandha Rajabhat University. The manual was designed to assist instructors, teaching assistants, and system administrators in accessing and

interpreting various statistical data, including grades, activity scores, and exam results of students enrolled in general education courses. The ultimate goal was to provide a comprehensive resource for users to accurately analyze and consolidate performance scores, facilitating a more efficient grading process. The evaluation focused on three primary areas: the design of the manual, the quality of its content, and its practical application in supporting educational management. Results from a satisfaction survey of 30 participants showed a high level of satisfaction across all three areas, with the following scores:

1. **Design of the Manual:** Participants rated the design of the manual highly, with a mean score of 4.72 and a standard deviation of 0.41, indicating that the visual layout and structure effectively met user expectations and enhanced usability.
2. **Content Quality:** The manual's content also received favorable responses, achieving a mean score of 4.64 and a standard deviation of 0.46. Users found the information comprehensive, relevant, and easy to understand, which contributed to a positive user experience.
3. **Practical Application:** Lastly, the manual's utility in supporting real-world applications of FlexSpace data interpretation received a high satisfaction rating of 4.70, with a standard deviation of 0.50. This suggests that users found the manual to be a valuable tool for simplifying data analysis and reporting processes.

The overall mean satisfaction score across all areas was 4.69, with a standard deviation of 0.46, indicating a very high level of approval among users. These findings highlight the effectiveness of the manual in fulfilling its intended purpose: providing a user-friendly, informative resource that aids in the efficient management and interpretation of student performance data on the FlexSpace platform.

In conclusion, this study confirms that the Guidelines Manual for Reading Student Learning Reports on the FlexSpace Platform effectively meets the needs of its intended users. By offering clear guidance on navigating and analyzing key performance metrics, the manual enables a more efficient and reliable grading process. With additional enhancements, it has the potential to serve as a cornerstone resource for the FlexSpace platform, promoting greater accuracy, speed, and ease in educational data management.

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