Project LIGTAS: Learning is Guided through Alternative Solution on Checking Attendance and Answer Sheets

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Abstract: The main concern of this study was to assess Project LIGTAS in public secondary schools. The study utilized a quantitative research design. Data was gathered using a standardized innovation questionnaire answered by 10 teachers, 90 parents/guardians, and 101 SHS students. The data were statistically analyzed using descriptive measures such as mean and percentage. The findings revealed that the teachers utilized an attendance monitoring system and zip grade is a very great extent. As a whole, it may be gleaned that Project LIGTAS was integrated into checking attendance using an attendance monitoring system and checking of answer sheets using zip grade to a great extent as shown by the total mean value of 3.95.

Keywords: alternative solution, checking attendance, attendance answer sheets

1 INTRODUCTION

As provided in DepEd Order No. 007, 2. 2020 Readiness Assessment Checklist for Implementing Delivery Modalities. The public secondary school chooses the blended learning modalities, wherein students choose online delivery learning and modular learning.

Thus, a well-organized and well-planned management is one of the keys by which these can be addressed, promoting not just the health and safety of every individual but also the values and spiritual transformation among students, respond to their needs (intellectually, emotionally, socially, and spiritually), and at the same time showcase the essential elements of an innovative and dynamic 21st-century classroom.

To enhance the functionality of a classroom – beyond having the modular and online class that is effective in fostering healthy, outstanding classroom management, the following causes of the problems must be identified and resolved: The attendance of the parents during the distribution and retrieval of modules, students during online and modular learning. The learning materials or answer sheet used; The online and modular management of the teachers themselves; The problems (whether psychological, emotional, financial, etc.) faced by the learners at home or inside/outside the school that affected their concentration in their studies

This study is about Project LIGTAS an acronym word meaning Learning Is Guided through Alternative Solution on Checking Attendance and Answer Sheets. The alternative solution for checking the attendance of the parents during the distribution and retrieval of modules is using the attendance monitoring system using QR ID while checking on answer sheets of the subject teachers is using the zip grade. To assess if Project LIGTAS would be helped to the teachers, parents, and students in checking the attendance and checking the teacher's summative test of the students using zip grade answer sheets, the researchers asked them to evaluate the project.

2 Significance of the Study

The findings would help make them realize the value of information and communication technology in the teaching and learning process and attendance amidst pandemics.

Particularly, the findings of the study would be significant for the following:

School Administration. The research would provide detailed information on the role of information and communication technology in teaching and learning. The study's findings may provide them with empirical data on the importance of ICT in 21st-century skills required in today's society.

Teacher. The findings of the study provide teachers with useful information about software and hardware resources that can be used effectively in the classroom and blended learning environments. This may encourage teachers to adopt a positive attitude toward the use of technology, particularly when it comes to taking attendance and checking students' answer sheets quickly and accurately.

Parents. Parents may be inspired to support their children's use of technology on their students after seeing the positive effects of technology on their children's academic performance. Several parents would not hesitate to support their children in anything that would help them succeed in their studies.

Students. This research may be beneficial to students who are unable to communicate during the distribution and retrieval of their school modules.

2.3 Statement of the Problem

The major concern of the study was to assess Project LIGTAS: learning is guided through alternative solutions on checking attendance and answer sheets. Specifically, the researchers answered the following questions.

1. To what extent do teachers utilize project LIGTAS in checking the attendance and answer sheets of the students?
2. How may the checking of attendance and answer sheets be described in terms of:
   2.1 ease of use;
   2.2 clarity of instructions for use;
   2.3 ease of operation;
   2.4 engagement/interactivity
   2.5 technical aspects?
3. What pedagogical implications may be drawn from the finding of the study?

2.4 Methods and Techniques Used

Quantitative research was used to discuss the study's objectives. Quantitative research collects quantifiable data and applies statistical, mathematical, or computational techniques to investigate phenomena systematically. The research design uses existing and potential customers to collect information.

As a primary data collection tool, the researchers used a locally validated instrument that was backed up by extensive documentary analysis.

The study involved 10 SHS teachers who used the zip grade for creating the answer sheet of their summative test for the learners and scan the QR code ID of the parents during the distribution and retrieval of modules for the attendance, 90 parents/guardians who use the QR code every time that they will visit the school for the distribution and retrieval of modules, and 101 SHS students who used the zip grade answer sheet given by the subject teachers in Taliptip National High School, the School Year 2020 - 2021. The data on population sample and sampling technique is used in the students' respondents.

Instrument

To capture the necessary data for the variables of this study, the source was utilized with utmost care for the accuracy and reliability of the information.

The acceptability of the attendance monitoring system used in checking the attendance and zip grade that was used for checking answer sheets was assessed using a survey questionnaire adapted from Bee Bee Chua and Laurel Evelyn Dyson, ISO 9126 model for the evaluation of an e-learning system with Cronbach alpha 8.0 for its reliability and validity. The utilization of Project Ligtas and acceptability was quantified using a five-point Likert scale.

Data Collection and Procedure

After the approval of the school head, and approved consent and assent form of the participants, the researchers have an actual demonstration on how to use the attendance monitoring system for checking the attendance and zip grade for checking answer sheets to the participants. Because the researchers are following the guidelines of the Inter-Agency Task Force (IATF) an online demonstration and giving the recorded video of step by step on using the attendance monitoring system to the parents, and zip grades for the SHS teachers, the researchers gave (2) days, enough time for the participant to rate the tool. The purpose of the online demonstration is because the study involved the pandemic wherein limited teachers were required to report onsite the school. The survey questionnaire was administered using Google Forms. The results of the study were encoded using data analyzing software for statistical treatment. The outcome of the study was shared virtually using an online platform such as Zoom and Google Meet.

3 RESULTS AND DISCUSSION

Table 1 Utilization of Project LIGTAS

Indicators	Mean	Interpretation
Checking on attendance using an attendance monitoring system	3.93	Great Extent
Checking of answer sheets using zip grade	3.36	Moderate Extent
Average	**3.64**	**Moderate Extent**

The utilization of Project Ligtas in checking attendance and checking answer sheets has been utilized to a moderate extent. This was shown by the obtained mean value of (3.64). This may be gleaned from the findings that technologies using Project Ligtas have been utilized despite the scientific findings on the usefulness of technology and its capability in enhancing the interest and motivation of students to study, it is surprising why instructional technology is not to advantage. It may be a good idea for researchers to look closely at the matter. Wang (2014) opened that knowledge and self-efficacy perceptions of teachers are important factors to consider. They claim that the teachers with high self-efficacy perceptions on technology integration tend to be more successful in the technology process.

Table 2. Acceptability of Project Ligtas

Indicators	Mean	Interpretation
Ease of Use	4.57	Very Great Extent
Clarity of instruction for use	4.61	Very Great Extent
Ease of operation	3.46	Moderate Extent
Engagement interactivity	3.18	Moderate Extent
Technical aspects	3.93	Great Extent
Average	**3.95**	**Great Extent**

In this light, the utilization of Project Ligtas among teachers, parents, and students was assessed and the data gathered are summarized in Table 2.

The findings revealed that the teachers utilized Project Ligtass in digital assessment and attendance resources. The ease of use is shown by the mean value of (4.57); clarity of instruction for use (4.61); ease of operation (3.46); engagement activity (3.18); and technical aspects (3.93). As a whole, it may be gleaned that Project Ligtas were integrated into checking of attendance using an attendance monitoring system and checking of answer sheets using zip grade to a great extent as shown by the total mean value of 3.95.

Summary of Findings

Problem 1. To what extent do SHS teachers utilize Project Ligtas in checking the attendance and checking of answer sheets?

Based on the results findings revealed that the extent of utilizing Project Ligtas in checking attendance and answer sheets has been utilized to a moderate extent. This was shown by the obtained average value of (3.64).

Problem 2. How may the utilization of Project Ligtas be described in terms of ease of use; clarity of instructions for use; ease of operation; engagement/interactivity; and technical aspects?

The findings revealed that the teachers utilized Project Ligtas in checking attendance and answer sheets. As a whole, it may be gleaned that Project Ligtass was integrated into checking attendance and answer sheets to a great extent as shown by the total mean value of 3.95.

Problem 3. What pedagogical implications may be drawn from the finding of the study?

Pedagogical Implications are drawn from the Findings of the Study

There are several implications drawn in this study, to wit:

1. The utilization of Project Ligtas in checking attendance and answer sheets was found only to a moderate extent. This implies that teachers have to give high priority to the utilization of Project Ligtas in teaching considering that information communication technology is considered a vital teachers toolbox in the 21st-century classroom and is among the resources that can be used by the modern teacher to facilitate instruction.
2. Teachers need to consider continuing professional development as a matter of professional responsibility to further enhance the academic performance of students. Teachers need to recognize that they more practice technology utilization in checking attendance and answer sheets would improve their self-efficacy on technology integration and could be an indicator of their self-confidence in effectively using technology in teaching.
3. As society is moving towards enhancing students' and parents' attendance during distribution and retrieval of modules for contactless, especially amidst pandemic needs to be considered.
4. School administrators have an important role in determining the reasons only teachers do not fully integrate technology in attendance and checking answer sheets using zip grade. The barriers need to be identified so that the appropriate strategic intervention may be formulated for the improvement of teaching and learning processes in the classroom. School administrators likewise may examine the technology leadership of their teachers if they are desired to help their teachers improve on technology utilization in teaching.

4 CONCLUSIONS

In the context of the foregoing findings, the researchers draw the following conclusions:

1. Utilization of Project Ligtas using an attendance monitoring system and checking answer sheets using zip grade is a time-saving tool for teachers.
2. The utilization of Project Ligtas in checking answer sheets using the zip grade of teachers influences students' academic performance.
3. Several implications were drawn from the findings of the study that will further strengthen the research culture in public secondary schools and National University-Baliwag, regarding the extent of utilization of Project Ligtas.

5. RECOMMENDATIONS

To produce effective innovators, the school prioritizes suspending teachers' piercing expectations and providing intellectual stimulation to as many students as possible. That teacher should attend a seminar, training, or workshop on open educational resources.

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