

UNDERSTANDING THE E-PURCHASING IN FIRST CITY PROVIDENTIAL COLLEGE CAFETERIA

Raisa Joan Abaigar
Anne Michelle Naig
Carlo Bisquera
Daniella Baldonado
Kimberly Comprado

*First City Providential College
San Jose del monte, Bulacan*

ABSTRACT: Purchasing is the activity of acquiring goods or services to accomplish the goals of an organization. These are to maintain the quality and value of the product to minimize cash tied up in inventory and maintain the flow of input and output procedure. In our generation most of the young people are usually taking advantage of technology such as entertainment, saving time, creating new things and its convenience.

KEY WORDS: purchasing, e-wallet, smart ID.

INTRODUCTION

Purchasing is the activity of acquiring goods or services to accomplish the goals of an organization. These are to maintain the quality and value of the product to minimize cash tied up in inventory and maintain the flow of input and output procedure. In our generation most of the young people are usually taking advantage of technology such as entertainment, saving time, creating new things and its convenience. The new technologies for the students that are recently invented are smart pens, digital textbooks, virtual keyboards, flash drives, laptops, etc., these where the students are at life ease. The school of First City Providential College implemented a type of purchasing with the use of an electronic ID or what we call smart ID. As we move towards a cashless society, many schools have started looking for innovative technology to pursue a cashless school. The ID works as an individual credential that has the contact number, picture, and information where it will be used for purchases at the security and canteen purposes.

According to A. Singh, Chopra, Imran and R. Singh (2017), the smart ID is issued at the students, teachers, and staff that represent an e-wallet whiting school compound, such as purchasing food, beverages, and even school supplies at the canteen. Every transaction is recorded at the counter including the receipt that contains the peso or how much the purchase and its balance. One of the advantages of electronic purchasing at school is the student even their parents monitor the input and output flow of the cash, where they can control the entire allowance. It may prevent the issue of having robbed inside the school premises that allows all the students to understand cashless school purposes.

The smart ID is a unique card that is assigned to the user and is capable of storing data which can be either value or information of identification, security, and cash. A wide variety of using Smart-ID exist in our society today, the implementation can be seen around the Philippines but has different structures and built-ins. All the transactions at the campus take place electronically, therefore it promotes the digital economy and helps in making our society cashless. Education is just one sector where smart cards can be adopted by others that take improvement of electronic purchasing from the youth.

STATEMENT OF THE PROBLEM

This study aims to answer the following questions:

1. The smart ID's effectiveness in enhancing the convenience of the students.
in terms of:
 - 1.1 Safety
 - 1.2 Budgeting
 - 1.3 Speed of Transaction
2. The purpose of using Smart-ID for FCPC Teachers and Canteen Staffs.
3. The advantages and disadvantages of having Smart-ID in First City Providential College.

METHODOLOGY

METHODS OF RESEARCH USED

A qualitative research methodology is used where the researchers prepare a sample questionnaire that intended to the concerns of finding out the participant's observation in electronic purchasing in the FCPC canteen. The responses of the samples will be gathered and evaluated to accumulate with the precise percentage that will help the entire inquisition and grounds of this study. This study will draw on the use of survey methods of research strategy. The survey method implies the numerical rating scale which response to the characteristics that show satisfaction on every factor of the respondent.

METHODS OF COLLECTING DATA

In gathering the data, the researchers used a survey sheet for the random sampling of respondents from the First City Providential College. This will be the research material and substructure of the researchers to do an organized presentation of the percentage data collection. Conducive for the individuals, giving the questionnaires to the specific respondents for the validity and reliability of the investigation. The chosen respondents are college students, canteen staffs and teachers where they are involved in the process of e-purchasing at FCPC. The instrument used in the survey form is a Likert scale were composed of 9 questions.

DEVELOPMENT OF THE INSTRUMENT

The researchers produced a Likert scale that conceptualized the observations on the facets that affect every individual through their daily experiences. It includes the different factors that affect the individual's safety, budgeting, speed of transactions, advantages, and disadvantages of electronic purchasing using the smart ID. The instigation of the survey was contemptible on the factors of understanding electronic literacy when it comes to purchasing, this was aims to answer and expand the information in the statement of the problem, which is in chapter 1.

SAMPLING DESIGN

In the overall population of the study, the respondents will be thirty (30) which consists of (10) students, (10) teachers and (10) canteen vendors. Each of them is studying and working at the school of First City Providential College. They were given a survey sheet with 9 items that intentionally labeled the factors that consider affects electronic purchasing in every individual. The questions include different factors the safety, budgeting, speed of transaction, advantages, and disadvantages. The first and second question in safety is the record of transaction and loss of money, the third is controlling of allowances, fourth and fifth are efficiency of transaction and sufficiency of loading station, in advantages are the convenience of e-purchasing and Smart Id's safety, in the advantages are the blackout and the number of loading station in the FCPC. The students, teachers, canteen vendors, and administration staff will corroborate to the fulfillment of the research investigation in studying understanding e-purchasing.

STATISTICAL TREATMENT

Responses to the gathered data made from the survey were statistically analyzed with the data demand of the study. The data instrument of the research has been presented such as frequency count, percentage and polychromatic.

$$\text{Percentage} = \frac{F}{N} \times 100$$

In this formula, F represents the frequency of the response and N stands for the sample size.

PRESENTATION AND INTERPRETATION OF DATA

This chapter presents the data gathered from the results of the statistical analysis and clarification of findings. These are presented to the following table forms which precisely interpret the data result of the distributed surveys and arranged according to its classification and grouped systematically which set out the data's percentage.

Table 1. State smart ID is safe for every student of FCPC.

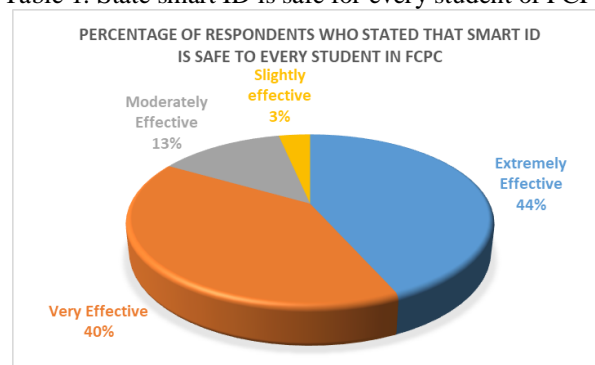


Table 1 shows that 13 (44%) out of 30 respondents says that Smart-ID is extremely safe to FCPC students, while 12 (40%) says that smart ID is very safe, 4 (13%) are moderately safe, and 1 (3%) are slightly safe.

Table 2. States to prevent loss of money

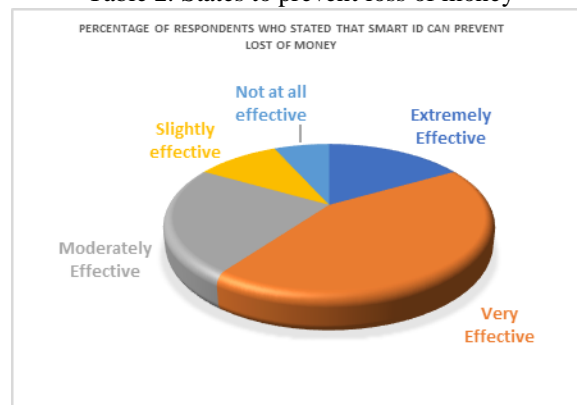
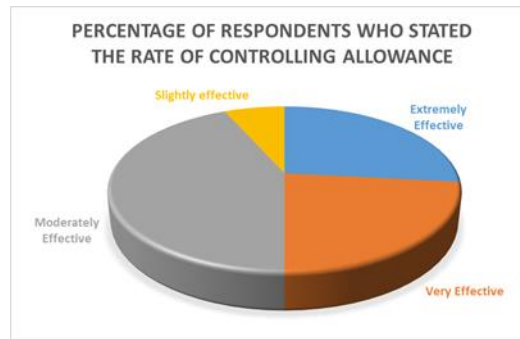


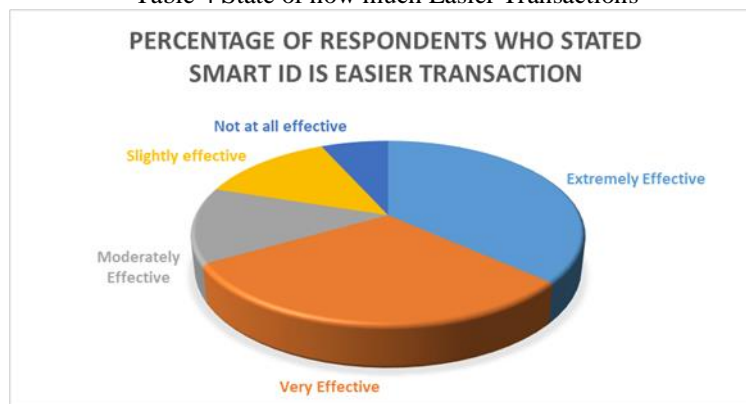
Table 2 shows that 5 (16%) out of 30 respondents rates how extremely prevents the safety on the loss of money, 13 (44%) of the respondents answers very effective, 7 (23%) of them are not much safe to the loss of money, 3 (10%) answers not very strong the effectiveness on the safety and 2 (7%) of them says that the safety of lost money in e-purch

Table 3. States of Controlling Allowance



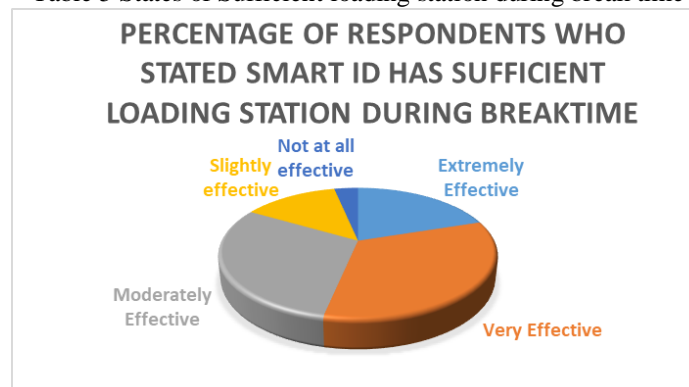
In question 3, 8 (27%) of the respondents says that controlling of allowances in e-purchasing is extremely effective, 7 (23%) of the answers very effective, 13 (43%) answers moderately effective, and 2 (7%) of the total respondents that controlling allowances in budgeting with the use of smart ID is slightly effective.

Table 4 State of how much Easier Transactions



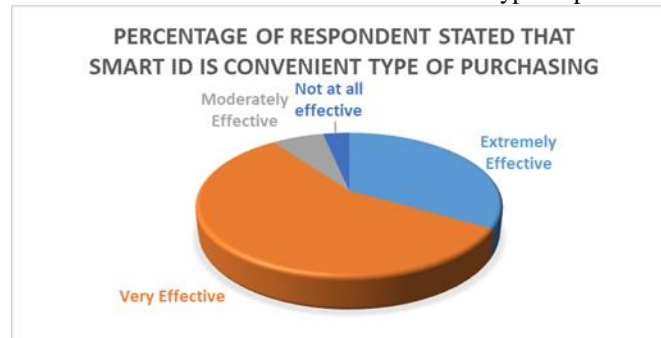
In question 4, 11 (37%) of the respondents answers the speed of transaction is extremely effective, 9 (30%) of the respondents says it is very effective, 4 (13%) of the respondents answers moderately effective, 4 (13%) of the answers that it is slightly effective and 2 (7%) of the respondents says that easier transaction is not effective.

Table 5 States of Sufficient loading station during break time



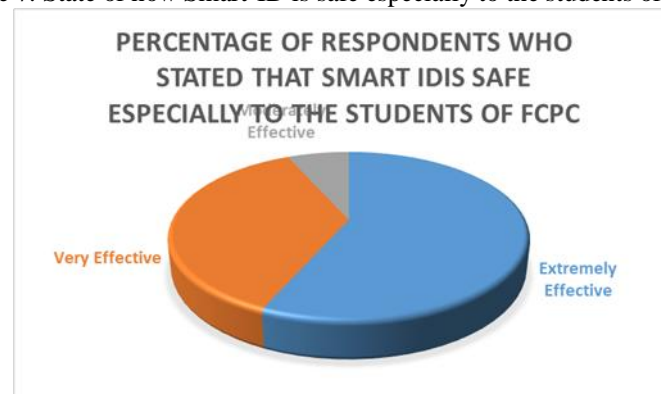
In question 5, 6 (20%) of the respondents agreed how extremely effective the sufficiency of loading station during break time, while 10 (34%) of them says that it is very effective, 9 (30%) of the respondents are into moderately effective, 4 (13%) of them that it is slightly effective and 1 (3%) of the respondents says that it is not effective.

Table 6. The state of Smart-ID is Convenient type of purchasing



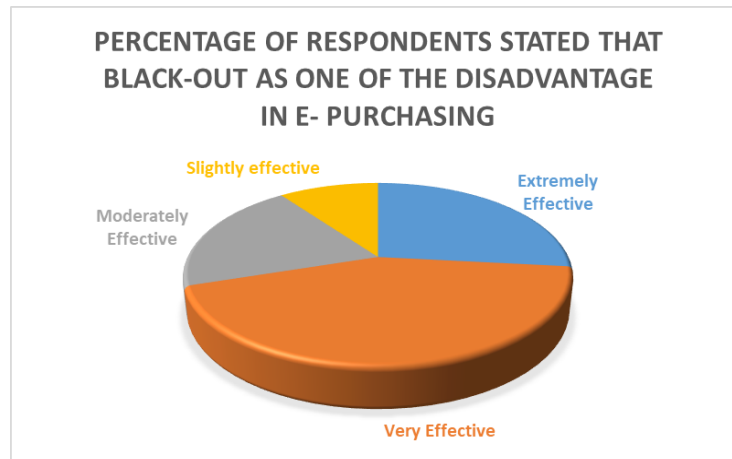
In question 6, 10 (34%) of the respondents agreed how extremely effective the convenience of purchasing with the use of smart ID, 17 (57%) of them says that it is very effective, 2 (6%) of the respondents that it is moderately effective and 1 (3%) of the answers that it is not effective.

Table 7. State of how Smart-ID is safe especially to the students of FCPC.



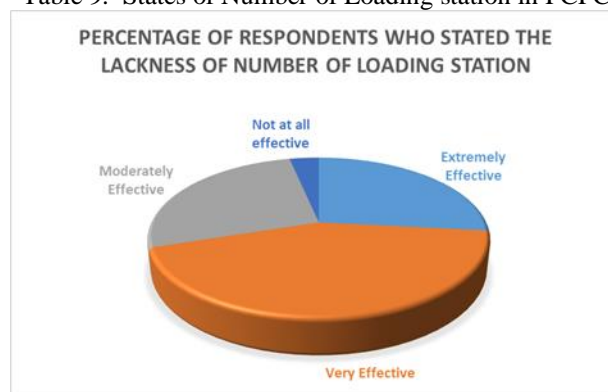
In question 7, 17 (56%) of the respondents answers how effective the safety of smart ID, 11 (37%) of the answers very effective, and 2 (7%) of them says that it is moderately effective.

Table 8. States of having Black-out as one of the Disadvantages in E-Purchasing



In question 8, 8 (27%) of the respondent's answers extremely effective on one of the disadvantages in E-purchasing is blackout, 13 (43%) of the answers very effective, 6 (20%) answers moderately effective, and 3 (10%) of the respondents that it is slightly effective.

Table 9. States of Number of Loading station in FCPC



In question 9, 8 (27%) of the respondent's rate extremely effective that the number of loading station in FCPC is one of the disadvantages, 13 (43%) of the answers very effective, 8 (27%) of them answers moderately effective and 1 (3%) of the respondent's answers says that the number of loading station is not one of the disadvantages in E-purchasing.

SUMMARY, RECOMMENDATIONS, CONCLUSION

This chapter presents the summary of the study, findings of the investigation and conclusion that visualizes and interpret the presentations of the data that is gathered, based on the recommendations made regarding the study entitled "The understanding of e-purchasing in First City Providential College in the canteen".

SUMMARY OF FINDINGS

The researchers have prepared the following result that is answerable by the research's statement of the problem.

Based on the findings, FCPCIANs find the smart ID convenient to them for it secures their safety and their money as well, convenient for their budget and also speeds up transactions in the canteen for it.

According to our study, the prevention of loss of money using smart IDs in e-purchasing is highly effective and manageable.

The researchers found out that e-purchasing helps most of the respondents when it comes to controlling their allowances. Based on the study the speed of transactions in e-purchasing at the canteen is easier than the normal act of buying the researchers found out that the sufficiency of loading station in FCPC is enough.

Most respondents agreed that E-Purchasing is one of the advantages that is convenient while 1 of the respondents disagrees.

All of the respondents agreed that Smart-ID is safe especially the students of FCPC all of the respondents agreed that the blackout is one of the disadvantages in E-Purchasing.

CONCLUSION

Based on the gathered study of the researches the following conclusions are constructed.

According to the respondents who answered the questioners when it comes to the safety Smart ID can prevent the loss of money where it tracks the record of every transaction which will help to have control or to make a decision with the help of Electronic Purchasing.

We conclude that controlling of allowances with the use of Smart-ID in E-Purchasing helps them to manage and organized their budgeting. Most of the respondents rated high on how effective the Smart-ID is.

RECOMMENDATION

The researcher is kindly recommending the study of understanding e-purchasing in First City Providential canteen to the following:

TEACHERS- For the teachers who represent as a guide of the students, this study will benefit the teachers because they experiencing electronic purchasing at school where they will be more aware and be knowledgeable.

SCHOOL ADMINISTRATOR- For the improvement, let the students, employees, canteen staff be inform regarding the partnership with Globe that in the next month's GCash will be available for payment and purchasing in the School canteen.

STUDENTS - The students or teenagers, considered as a future worker of this country who are using technology, they will benefit this knowledge about electronic purchasing to be knowledgeable and be creative for the innovation of the needs in the school and even outside the society.

BIBLIOGRAPHY

1. Nsengumureymi, L., Sardhak, A., & V, V., (2018). Smart ID Card System using RFID Technology, International Journal for Research in Applied Science & Engineering Technology (IJRASET), 6 (5), 1842-1849.
2. Fernandes, T., Vieira, V., (2015). Public e-procurement impacts in small- and medium enterprises. International Journal of Procurement Management, 8(5), DOI: 10.1504/IJPM.2015.070904 Ching, M.R., (2017).
3. Challenges and Opportunities of Electronic Payment Systems in the Philippines. Retrieved from DLSU Research Congress, June 20 to 22, 2017.
4. LPU Batangas, PayMaya introduces advanced school ID. (2018, August 31). Manila Bulletin. p B-5.
5. Garcia, L., (2017, July 27). Empowering millennials through the PayMaya School ID. Retrieved from <https://businessmirror.com.ph/2017/07/27/empowering-millennials-through-the-paymaya-school-id/>
6. Adrian, M., (2018, January 4). Is The Philippines Ready To Go Cashless. Retrieved from <https://www.imoney.ph/articles/cashless-payment-philippines/>
7. Sewell, (2017). Cash-out. Retrieved from <https://universitybusiness.co.uk/Article/cash-out/>
8. Stiles, T., (2018, February 2018). The Importance of Implementing Modern Technology into School Safety.
9. Retrieved from <https://www.identificationsystemsgroup.com/blog/the-importance-of-implementing-modern-technology-into-school-safety/>