

## Internet Based Card Viewing System



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### ABSTRACT

Integration of ICT is beneficial to teachers and school specially when it comes to processing and storage of student's information, collecting and computing outputs, as well as viewing the academic performance of the students. Online Card Viewing is a system would help the teachers to inform the parents regarding the academic performance of the students. It is also essential to all parents, who are none working, who are very busy working, and parents working abroad to monitor the academic performance of their child. Through this system parents are not obliged to visit the school just to monitor grade or academic performance of their child.

Researchers utilized and used Stratified sampling, to obtain a sample population that best represent the entire population being studied. The researchers divided the population into 2 strata composed of grade 11 and 12 teachers and used Slovin's formula to get the sample size.

Result showed that selected Grade 11 and Grade 12 teachers were very satisfied on the Internet-Based card viewing system which is timely because of the new normal. It was timely because of the present scenario of the school system which is distance learning. The objective of this research was seen and achieved based on the findings that all selected teachers from Grade 11 and Grade 12 were very satisfied with the system. The system was considerable to the adviser in informing the parents of their students.

**Keywords:** *ICT, Internet card viewing system, Technology in education, Online card viewing*

## INTRODUCTION

In today's time majority of human in the world were living in information age reliant on digital information. Digital information is an electronic information, the result of computer processing. Every type of job relies upon getting data, using it, managing and relaying information to others. Computers enable the efficient processing and storage information.

According to Richard (2004), emphasized that information about students is vital but time-consuming to manage and it is essential that the most effective tools be used to aid both staff and students go about their work and studies. The Cambridge Student Information System (CAMSIS) replaced various student records system used by the colleges, department, and universities. CAMSIS provides comprehensive and accurate information about student body and improves data quality, reduce the administrative burden dramatically and provides better services to both students and academic staffs.

The logistical problems associated with distributing, collecting, grading, and the difficulties in ensuring fairness and consistency in grading tend to increase non-linearly with the number of students. Online Card Viewing is designed to provide incentive for achievement and assist in identifying problem areas of students, parents, and teachers of Biñan City Senior High School- San Antonio Campus TVL Tracks. Students' grades are vital information needed in advancing to the next grade/year level and its accuracy is very important.

Pursuant to DO 39, series of 2016 the adoption of basic research agenda. The Research Agenda shall build on gains from existing research, generate new knowledge on priority research areas, focus DepEd's attention on relevant education issues, and maximize available

resources for research within and outside the Department.

Furthermore, it is not easy for a teacher to manage hundreds of records in an accurate way without using automation. It is timely to adopt ICT integration to make a system that would be beneficial to teachers and school and if this system would be successful it could be implemented division wide. With this provision, the proponents came up with the action research entitled Internet Based Card Viewing System, this is essential in schools nowadays, for new normal.

In addition, this system will help the teachers to inform the parents regarding the academic performance of the students. It is also essential to all parents, none working, who are very busy working, and parents working abroad to monitor the academic performance of their child. Through this system parents are not obliged to visit the school just to monitor grade or academic performance of their child.

## METHODOLOGY

In this study the researcher utilized and used was Stratified sampling, to obtain a sample population that best represent the entire population being studied. The researchers divided the population into 2 strata composed of grade 11 and 12 teachers based on the required participants in the research.

The proponents used the Slovin's Formula to get the sample size. The sample size was based on the strata identified by the researchers using stratified sampling.

Sampling technique for the calculation of the sample size of the total population was needed for the evaluation of the propose system. The researcher used Stratified sampling, to obtain a sample population that best represent the

entire population being studied by the researcher.

To get the total population of respondents, the proponents used the Slovin's Formula to get the sample size. The sample size is based on the strata identified by the researchers using stratified sampling. Slovin's Formula was used to calculate the sample size (n) given the population size (N) and a margin of error (e). It is computed as  $n = N / (1+Ne^2)$ . If a sample is taken from a population, a formula must be used to consider the confidence levels and margins of error. To analyze the data, the researcher used Likert scale which is according to business dictionary it is a method of ascribing quantitative value to qualitative data, to make it amenable to statistical analysis.

Since the researcher used questionnaire methods, Slovin's Formula and Likert scale was appropriate. The researcher would have a clear view about the results of the statistics to make the system more efficient when use.

## RESULT

Results showed the significant aspect in the evaluation of the system. The respondents found out that 91% of the grade 12 teachers were very satisfied and 9% were satisfied that the interventions can be used by the class adviser in the event of parents/ guardian's unavailability in monitoring their learner performances, using this proposed innovation internet-based card viewing system.

It showed that 92% of the grade 11 teachers were very satisfied and 8% were satisfied evidently that the interventions that can be used by the class adviser in the event of parents/ guardian's unavailability in monitoring of their learner performances, is the proposed innovation internet-based card viewing system.

The respondents were found very satisfied in terms of performance, 10/11

Grade 12 teachers answered very satisfied, and 1/11 teachers answered satisfied. This was based on the weighted mean of 4.90 which means very satisfied.

The respondents were found very satisfied in terms of performance, 11/11 Grade 12 teachers answered very satisfied. This was based on the weighted mean of 5 which means very satisfied.

The respondents were found very satisfied in terms of service can give by the Internet- based card viewing, 10/11 grade 12 teachers answered very satisfied, and 1/11 grade 12 teacher answered satisfied. This was based on the weighted mean 4.9 which means very satisfied.

The respondents were found very satisfied in terms of performance, 12/13 selected Grade 11 teachers answered very satisfied, and 1/13 teachers answered satisfied. This was based on the weighted mean of 4.90 which means very satisfied.

The respondents were found very satisfied in terms of performance, 13/13 Grade 11 teachers answered very satisfied. This was based on the weighted mean of 5 which means very satisfied.

The respondents were found very satisfied in terms of service can give by the Internet- based card viewing, 10/13 grade 11 teachers answered very satisfied, and 3/13 grade 11 teachers answered satisfied. This was based on the weighted mean 4.8 which means very satisfied.

## DISCUSSION

The main objective of this study was to create a system and to measure the satisfactory rate of selected Grade 11 and Grade 12 teachers regarding on the Internet-Based Card Viewing System. Based on the findings all selected teachers from Grade 11 and Grade 12 were very satisfied with the system. The system was considerable to the adviser in informing the parents of their students.

Majority of the teachers strongly satisfied, and some were satisfied that Internet-Based card viewing system can be used by the class adviser as intervention/tools in solving parent's teacher's engagements in the event of parents/ guardians unavailability to monitor learner's performance.

The Internet-Based card viewing system is not an error prone as the manual system because its admin based and free of fraud by the student. It is an accessible web tool that parents can monitor their leaners academic performances even they are out of town, busy in their workloads and even they are oversees contract worker. Teachers and parents can handle the work much easier with the Internet-Based card viewing system, in terms of informing the parents with the academic performances of the learners. The Internet-Based Card Viewing system for the Biñan City Senior High School – San Antonio Campus can save in costing of printing paper; it is environmentally friendly and will lessen the pressure, time, and stress for the teachers and parents.

To the future researchers, to improve the Internet-Based card viewing system, the researchers recommend adding more tabs related to the school information's and design to make it more attractive and marketable.

Also, the researcher recommends adopting and using this system by all schools within and across the school's division or perhaps district schools. As well as make it possible to be accessed at home together with added features and security such as agreement form and MOA with GPTA of the schools on data privacy feature upon or during the enrollment to protect the identity and confidentiality of students and their guardians/ parents as this information is integrated in the web system.

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