Project – GEASS

(Grading Enrollment Accounting School System)

in
CANDUMAN NATIONAL HIGH SCHOOL

By:

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Abstract

Manual System
(Enrollment Process)

Proposed System (Enrollment Process)

Chapter 1

"TECHNOLOGY SHOULD BE AN IMPORTANT INGREDIENT.

IT MAY BE AND SHOULD BE A TOOL FOR SOCIAL DEVELOPMENT."

Statement of the Problem

- What System are they using?
- Having enough manpower to accommodate registration and enrollment process?
- difficulties and insufficiency would lead to transaction delay during enrollment process and the like.
- Records concerning the students, parents and even the faculty are of the high risk of being unrecovered during calamities.

Objectives of the Study

- a.) To design and develop a Computerized Enrollment System that will improve the current manual system of the school.

- b) To develop and create a form that can assists the students in their payment and can manage the records of students accurately.

- c) To lessen paper works like billing, grading process and record tracking.

Significance of the Study

- The significance of this study is to help and give a benefit to the concerned group below. This study will be beneficial to the following:

    - School

    - Student/ Enrollees

    - Faculty and Staff

    - Future Researchers

Scope and Limitations

This proposed project can:

- The Project GEASS – (Grading, Enrollment, Accounting School System) is an application system which requires the users to input the required information while the system is processing the inputted information in the system.

- capable of capturing the image of the user which will help them in completing the enrolment process concerning pictures.

- can obtain the receipts and the enrolment assessment form automatically.

Scope and Limitations

- The system has a security features making some portion of it inaccessible to the students and some portion available to the authorized personnel.

- the system contains the special features called CAPTCHA which will determine and verify the reliability of the user such as the students and the authorized personnel.

Scope and Limitations

- the system will automatically send a text message to the parents or guardian of the enrollee stating that the enrolment process is done and confirmed.

- The system can generate reports whenever it is needed in a given period of time due to availability of the information such as student record, required documents and payment verification.

Scope and Limitations

However, the system limits the following:

- The system can only be used and accessed by authorized personnel such as the principal , cashier and the enrolment officer who are capable of navigating and using the system.

- the students will only obtain limited access to the system such as the form that they should be completing.

- Offline

Hypothesis

- The LAN (Local Area Network) based enrollment system will make the enrollment system of Canduman National High School convenient and efficient.

- It is more convenient to use the LAN based Computerized Enrollment System than the traditional one.

- It is more economical to use the Computerized System than the traditional one.

Conceptual framework

Existing System

Filling up the forms by hand written name, birthday, school documents Guardian or parents information, contacts addresses.	The school documents will be review, validating the student information being filled up, inserting and sorting the paper documents manually. The student will be classified the year level and status according the data inputs.	The payments will be process manually written in the paper and the master list of official enrollees being written in the paper.

Conceptual framework

Proposed System

| Filling up data in the forms being given name, birthdate, guardian or parents information, contact numbers and addresses using the a computer. | ➡ | The student information, grades and payments will be process in the computer database, A unique ID number being given to the student. | ➡ | Stored information of the students such as grades and payments will be printed out in paper. |

Chapter 3. Research Design and Methodology

Project Development

- The Systems Development Life Cycle (SDLC) is a conceptual model used in project management that describes the stages involved in an information system development project from an initial feasibility study through maintenance of the completed application.

Waterfall Model

Planning

Analysis

Designing

Software Development

Testing

Operation
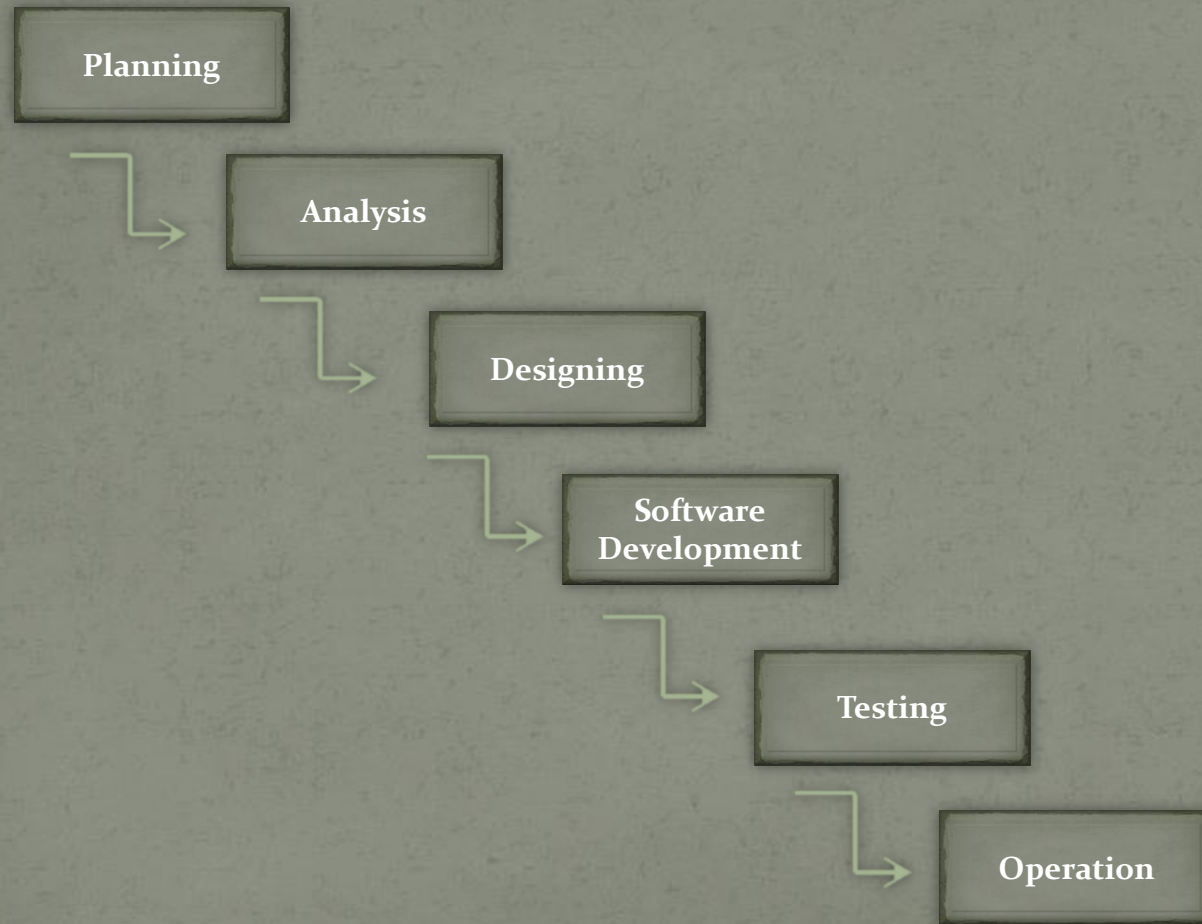
Research Instruments

- Research Design

- Research Environment

- Research Procedures

- Research Respondents

Evaluation Procedure

Data instrument

Respondents (Students)	Frequency (number of students per year level)
First Year	100
Second Year	100
Third Year	100
Fourth Year	100
Total	400

Evaluation Procedure

Statistical treatment (Numerical Scale)

Scale	Interpretation
4.21-5	Excellent
3.41-4.2	Satisfied
2.61-3.4	Moderate
1.81-2.6	Not Satisfied
1-1.8	Poor

Evaluation Procedure

- The data gathered from the survey was calculated and analyzed. The questionnaires are answerable as Excellent, Satisfied, Moderate, Not Satisfied and Poor, and the researchers will determine its frequency and percentage by using this following formulas:

$$A.\ \overline{x} = \frac{\sum x}{n}$$

Evaluation Procedure

(Sample Mean)

$$\overline{x} = \frac{\sum x}{n}$$

- Where:

  $\overline{x}$ = sample mean

  $\sum x$ = total summation of values

  n = number of size

Wherein the total summation of values $(\sum x)$ is equal to the sum of each individual values

$\sum x = x_1 + x_2 + x_3 + x_4 + x_5 + x_n$

- ***Note*** $:$ x_1 *Is the value of each respondents.*

Evaluation Procedure

B. % = (f/n) x 100

Where:

%	–	percentage
f	–	Frequency
n	–	Total number of respondents
100	–	Default number

Discussion

Discussion

Enrollment Process of Existing System

Enrollment Proccess:	
Questions:	Sample Mean:
Organized flow of enrollment scheme.	2.4
Proper accommodation of administration staff	2.6
School environment	2.47
Enrollment hassle free	1.87
Attentive staff towards students	2.4
Total Average:	11.74/5 =2.348

Enrollment Process of Proposed System

Enrollment Proccess:	
Questions:	Sample Mean:
Organized flow of enrollment scheme.	4.48
Proper accommodation of administration staff	4.52
School environment	4.52
Enrollment hassle free	4.72
Attentive staff towards students	4.72
Total Average:	22.96/5 =4.592

Discussion

Grading Process of Existing System

Grading Process of Proposed System

Grading Proccess:	
Questions:	Mean:
Records are kept accordingly	2.6
Clear information of grades	2.47
Fast and efficient production of student information	2.53
Grades were generated immediately	2.67
Can manage the records of students accurately	2.67
Total Average:	12.94/5=2.58

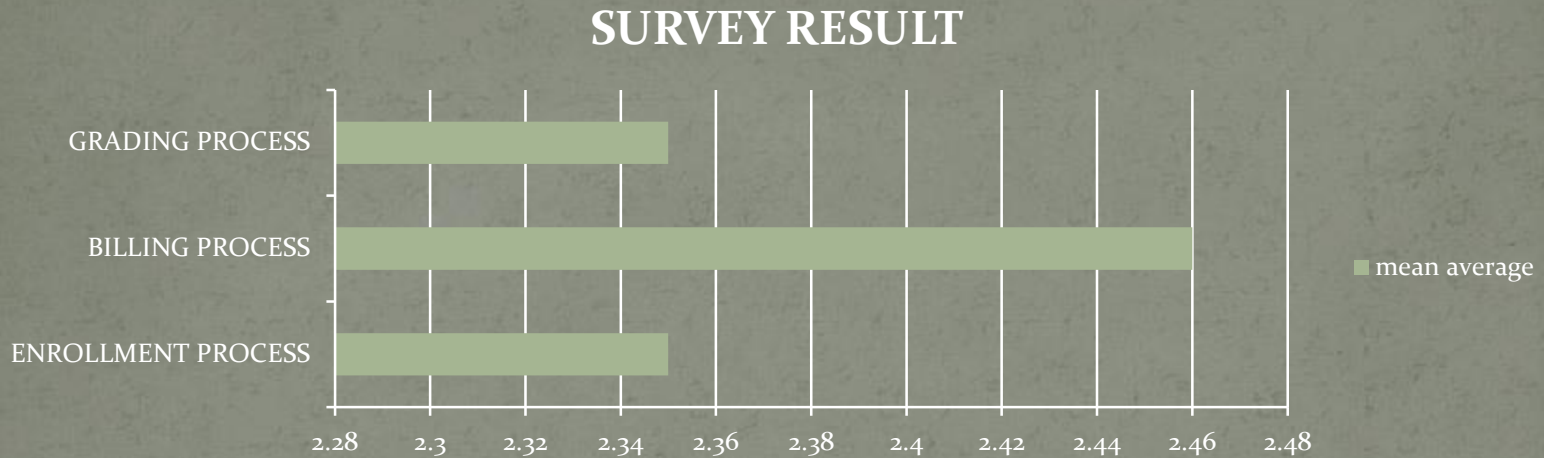| Grading Proccess:	
Questions:	Mean:
Records are kept accordingly	4.33
Clear information of grades	4.33
Fast and efficient production of student information	4.33
Grades were generated immediately	4.67
Can manage the records of students accurately	4.7
Total Average:	22.36/5=4.472

Discussion

Billing Process of Existing System

Billing Process of Proposed System

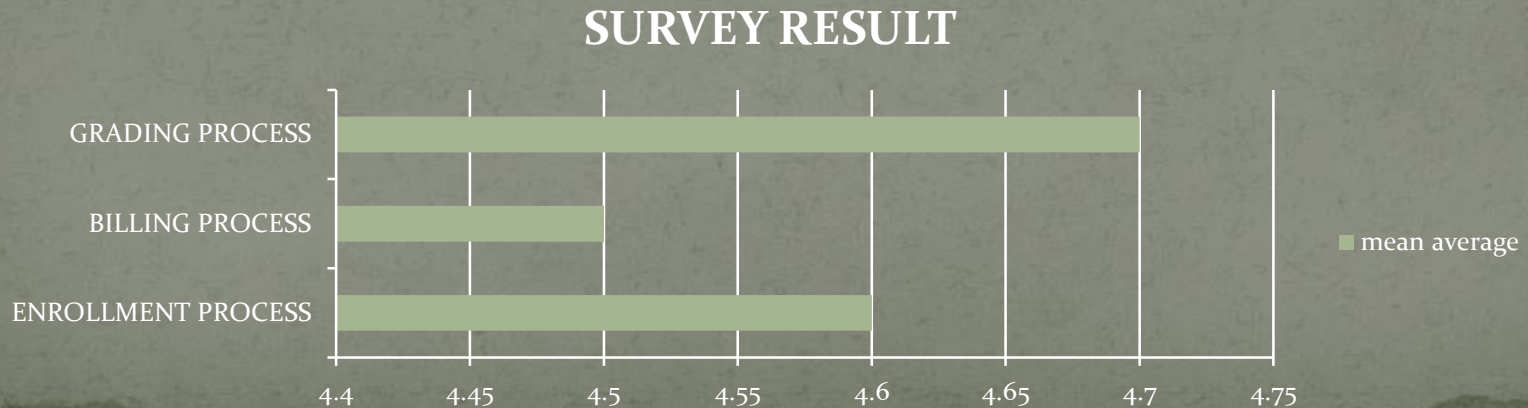| Billing Proccess:	
Questions:	Mean:
Payment hassle free	2.4
Security of transactions	2.4
Assists the students in their payments	2.6
Can manage/view the balances of payment of students towards the cashier	2.5
Clarity of information of transaction.	2.4
Total Average:	12.3/5=2.46

Billing Proccess:	
Questions:	Mean:
Payment hassle free	4.72
Security of transactions	4.31
Assists the students in their payments	4.85
Can manage/view the balances of payment of students towards the cashier	4.98
Clarity of information of transaction.	4.45
Total Average:	23.31/5=4.662

Discussion

Enrollment Process of Existing System

SURVEY RESULT

GRADING PROCESS
BILLING PROCESS
ENROLLMENT PROCESS

2.28 2.3 2.32 2.34 2.36 2.38 2.4 2.42 2.44 2.46 2.48

■ mean average

Enrollment Process of Proposed System

SURVEY RESULT

GRADING PROCESS
BILLING PROCESS
ENROLLMENT PROCESS

4.4 4.45 4.5 4.55 4.6 4.65 4.7 4.75

■ mean average

Chapter 5. Summary Findings, Conclusions and Recommendations

Summary Findings:

1. This study proved that computerized enrollment system was needed, it can be a great help to the school in adding, deleting, and updating all records of the students and in enrollment process.

2. The proposed system provides result as compared to manual enrollment; it was understandable for the school to implement this project in order to attain progress and stability of their operation particularly in enrollment.

Chapter 5. Summary Findings, Conclusions and Recommendations

Summary Findings:

- 3. There is a significant difference in the perception of the respondents between manual enrollment systems. The respondents have a positive approach in the developing of computerized enrollment system.

Chapter 5. Summary Findings, Conclusions and Recommendations

Conclusions :

Based on the findings, the researchers come up with the following conclusions:

- 1.   The researchers concluded that the Project GEASS(Grading, Enrollment Accounting School System) is efficient to use based on the results of the study.

- 2.   As a whole, the proposed system and the existing system have tremendous distinction. The difference from the traditional to the proposed system is truly beneficial to the school, faculty and staff and the students.

Chapter 5. Summary Findings, Conclusions and Recommendations

- 3.	The buttons are easy to find and very functional.
- 4.	The researchers made some questionnaires that contain the specific questions for gathering an accurate information and observation by the users.

Chapter 5. Summary Findings, Conclusions and Recommendations

- 5. The researchers concluded the proposed system is user-friendly, reliable to the school, faculty/staff and the students.

- 6. The students enjoyed the benefits of using the (GEASS). Therefore, implementing this system to the school gives the student's learning process.

Chapter 5. Summary Findings, Conclusions and Recommendations

Recommendations:

Based on the results of the findings and conclusions gathered, the researchers would like to recommend the following:

- 1. The computerized enrollment system must be implemented as the main process of enrollment in Canduman National High School.

- 2. The software product should be implemented as soon as possible since evaluation shows that the software provides reliable features and it meets the expectation of the respondents.

End of the Presentation