**Web-based Online Enrollment system for Centro De Malolos Institute**

In Partial Fulfillment

Of the Requirements for the Subject Systems Analysis and Design (IT 303)

By:

**GATDULA, LEIZEL DS.**

**CRUZ, RED JOHNPAUL S.**

**DUTERTE, PAUL JOHN C.**

**ELONA, ALLSA B.**

**LOPEZ, MAEDHEN D.G.**

**RAMOS, JACK LEONARD M.**

**REYES, LEO CARLO C.**

**ROMERO, IAN CHRISTIAN P.**

November 2020

**1.0 INTRODUCTION**

**Background of the Study**

Envisioning an institute where students and teachers co-exist to create a positive and conducive learning environment, its founders established Centro de Malolos Institute in Mojon, Malolos, Bulacan, in 2015.

The school started by offering pre-school and elementary levels of education for the residents of Golden Grain Villas in Mojon and other nearby barangays. Later on, the institute established its high school level, aiming to raise its standards by offering a higher level of education. In their effort to give the best education for the students, the school has the policy to keep the teacher-student ratio as small as possible, with each grade level only having 10-20 students. With this kind of numbers, students have more direct time and attention from educators, especially when compared to public schools that have sections consisting of approximately double the number of students.

With the school being established in 2015, it wasn't long after that the K-12 era of Philippine education arrived. Refusing to be behind the times and in pursuit of quality education for their students, the Centro de Malolos Institute established its Senior High School level. With this step, CMI aims to produce students who are ready for the challenges of college education with effective

instruction based on the K-12 curriculum.

**PROBLEMS ENCOUNTERED WITH THE CURRENT SYSTEM:**

1. Manual payment methods.

a. Unfavorable mode of payment.

b. Parent needs to go to the facility to pay.

c. Risky handling of money in the school facility.

2. School information is processed manually inside the school.

a. Manual pen and paper enrollment is ecologically unfriendly.

b. Piles of files are filling up the office space.

c. Bulky file cabinets to store data and records.

d. High cost of resources to maintain and handle large amount of admission applications.

3. Time consuming and inconvenient

a. Parents and school facilitators need to go to the school for the enrollment. b. It requires a lot of time to handle individual applications manually.

c. Parents’ schedules may have to be adjusted to meet the set-up time for enrollment. d. Manual enrollment is usually tiring for both the parents and the staff workers. 4. Misinterpretation and human Error may occur

a. Manual processes are always prone to error since humans are not perfect. b. Coordination should be present on both sides.

c. Tracking and tallying of the final number of students is difficult.

d. School accountability is at risk as the institution grows and workload increases.

**FEATURES TO BE INCLUDED ON THE PROPOSED SYSTEM:**

1. Online payment system

1.1. Due to the current circumstances caused by the pandemic, students may pay their required fees online, especially enrollment fees.

1.2. Payment methods may include mobile wallets and online banking.

1.3. Eliminates the risk of withdrawing huge amounts of money and taking it to the school facility.

2. Online enrollment

2.1. Students may enroll online, provided that they have satisfactory grades. 2.2. Students will receive automatic SMS alerts for the enrollment schedule and for problems with their enrollment.

2.3. Students may change their subjects through the system.

3. Notification services

3.1. SMS alerts regarding school news such as approaching payment deadlines, issuance of report cards, and schoolwork deadlines.

3.2. The alerts can be sent to both the student and the parent.

4. Online Inquiry Forms

4.1. Students with grading problems may inquire directly to the corresponding staff worker. 4.2. General information about the university may be viewed on the system for reassurance and background checks.

4.3. Enrollment steps may be viewed simultaneously by large number of users to guide them through the process.

5. Admin monitoring system

5.1. Admin may check and analyze the current progress of the school.

5.2. Graph and tallies may be viewed by the admin for further information. 6. Ease of use

6.1. Parents and students can easily access the website as long as they have internet connection.

6.2. The system will focus on the usability and interoperability to achieve a user-friendly website.