CHAPTER 1: INTRODUCTION

**Background of the study**

-Safety inside and outside the school is very important for students, especially for those who attend night classes. At Bestlink College of the Philippines - Quezon City (BCP QC), many students need to stay late for academic purposes such as lectures, laboratory work, group projects and even organizational activities. Unlike morning or afternoon classes, night classes can often bring extra challenges because of limited visibility, fewer people on campus, and the risk of unexpected incidents. This situation makes students more concerned about their safety when walking inside or around the school during evening hours.

Nowadays, technology plays a big role in solving real-life problems. Many schools and universities around the world are already using digital platforms to improve communication, learning, and even security. One of these is the SM 360 application, which is already being used at BCP QC. However at present the app does not have features that directly focus on student safety and monitoring. This is where the idea of enhancing the SM 360 application comes in. By integrating a GPS-based locator system in the app, the school can make use of modern technology to address safety concerns of students attending night classes.

A GPS or Global Positioning System is a technology that allows the real-time tracking of a person’s or object’s location. In daily lofe , GPS is widely used in smartphones, cars, and delivery services. For schools, this can be effective tool to monitor students inside the campus and make sure they are safe, especially at night. If a student encounters a problem, the system can immediately show their location so that security staff can respond faster. Aside from providing security, the GPS locator can also make students and their parents feel more confident about night classes, knowing that movements are being monitored for safety purposes.

There are already many examples of how GPS is used in safety systems. Some schools abroad have tried location-based monitoring to protect students during field trips, sports events, or large school activities. Companies also use GPS to track their employees for safety and accountability. These examples show that GPS is a reliable and effective when it comes to monitoring, By applying the same idea to the SM 360 application. By applying the same idea to the SM 360 application, BCP QC can strengthen its safety measures without needing a completely new system, since the app is already familiar to the students.

At the same time, while GPS technology is very helpful, there are also challenges that need to be considered. One of the most important issues is privacy. Students may worry about how their location data will be used, who can see it, and whether it will remain secure. For this reason, the study also aims to consider privacy and data protection as part of the GPS integration. The goal is not to invade student privacy but to make sure that the locator is only used for safety and emergencies.

This study will mainly focus on enhancing the SM 360 application with a GPS-based locator for monitoring students who attend night classes at BCP Quezon City. It will look at how the system can improve student safety, how students and staff respond to the feature, and how the app can balance both security and privacy. By doing this, the research hopes to provide a simple but effective solution to make students feel safer during their night classes.

In conclusion, student safety is an important part of school life, especially at night when risks are higher. With the help of GPS technology, the SM 360 app can be used to enhanced to serve not only as a school tool but also as a safety tool. This research will provide ideas and solutions for improving campus security and ensuring that students can focus on their studies without worrying too much about their safety during night classes.

**Statement of the problem**

-This study aims to find out how adding a GPS-based locator in the SM 360 application can help improve student monitoring and safety during night classes at BCP Quezon city.

**Main Question:**

* How can the integration of a GPS-based locator in the SM 360 application improve student monitoring and safety during night classes at BCP Quezon city?

**Sub-Questions**:

1. What safety concerns do students face during night classes at BCP Quezon city?
2. What benefits can GPS-based tracking provide to students and school security?
3. How can the system make sure that student locations are accurate and updated in real time?
4. What measures can be done to protect privacy and data security of students?

**Objectives of the study**

**General Objective:**

* To improve the SM 360 application by adding a GPS-based locator system that will help make night classes safer for students at BCP Quezon city.

**Specific Objective:**

1. To design and add a GPS-based locator tracking feature to the SM 360 application.
2. To collect feedback from students and staff about the feature’s, usefulness, privacy and security.
3. To test if the GPS locator helps improve safety during night classes.
4. To suggest improvements to the system while protecting student privacy.

**Significance of the study:**

This study will focus on improving the SM 360 application by adding a GPS-based locator feature. It will be tested on students who attend night classes at BCP Quezon city. The study will also include feedback from students and staff.

**Delimitation:**

* The study is only for night classes and does not include daytime classes.
* The study will only focus on BCP Quezon City and not other campuses.
* It will only cover safety and monitoring, not other uses of GPS.
* The study is limited to school use and not for use outside the campus.