**ST. MICHAEL’S COLLEGE CANTEEN POINT OF SALE SYSTEM**



In Partial Fulfillment

Of the Requirement of the subjects

Object-Oriented Programming

By:

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**THE PROBLEM AND ITS SETTINGS**

**Introduction**

[1st paragraph: Problem] In St. Michael’s College Canteen there is an existing problem wherein students wait too long in line to buy food because of inefficient processes, busy periods, and communication issues.

[2nd paragraph: Importance of the study] POS systems enable businesses to quickly and accurately process and record customers' purchases. While it is possible to handle sales manually, doing so would be inefficient and prone to errors and fraud. Customers have become accustomed to being able to quickly complete their purchases, sometimes with contactless payment options, and are unwilling to go through a lengthy, manual checkout process.

For the business, POS systems help identify both which products are most popular and should be reordered — maybe in larger quantities — and those that are not selling well and perhaps should be discontinued, discounted, or supported with additional marketing (Caldwell, 2021).

[3rd paragraph: Literature and/or studies] A point-of-sale (POS) system is the set of hardware and software components that allow businesses to facilitate sales. What may first come to mind is a cash register. However, modern POS systems go far beyond simple cash transactions. POS systems allow a business to accept multiple methods of payment – cash, credit, debit, virtual wallet, etc. They also offer a plethora of features that can be used to enhance the management efficiency of the business (Cornelisse, 2022).

[4th paragraph: Objectives of the study] Design a system that can provide an efficient way in taking orders and develop a system that will reduce the delay in taking orders and faster ordering times. Test and evaluate the effectiveness of a system for communicating issues.

Customers never want to wait in a queue for long to complete their purchase. With the help of an efficient POS system, you’ll reduce the chance of customers leaving your store without a purchase.

A fast and convenient checkout is one of the many benefits of a POS system. It can be a winning point in your customer’s eyes, keeping them loyal to your brand. (Tran, 2023).

[5th paragraph: Timeframe/Locale of the study] This study lasted a week long which started on December 2, 2023 until December 9, 2023. Located at St. Michael’s College, Iligan City.

**Statement of the Problem**

The researchers have recognized three following problems:[Expound each statement]

* Inefficient Processes: If the restaurant's order-taking and food preparation processes are not well-optimized, it can lead to delays in getting orders to customers.
* Busy Periods: During busy times, such as lunch or dinner rushes, restaurants may struggle to handle the high volume of customers, resulting in longer wait times.
* Communication Issues: Poor communication between the front-of-house and kitchen staff can result in delays in getting orders from the customer to the kitchen and then to the table.

**Objective of the Study**

The objective of this study is to develop the [title]. Specifically, this study aims to:

[These should answer the statements of the problem]

* Design a system that
* Develop a system that…
* Test and evaluate a system that…

**Scope and Limitation of the Study**

[1st paragraph: Write the limitations, capabilities, weaknesses, and strengths of the system; and why]

[2nd paragraph: Write where the system is going to made for and who will be its proposed users]

**Significance of the Study**

The following entities that will benefit from this study are the [identify your beneficiaries].  
**[BENEFECIARY].** [WHY?]

**[BENEFECIARY].** [WHY?]

**[BENEFECIARY].** [WHY?]

**[BENEFECIARY].** [WHY?]

**[BENEFECIARY].** [WHY?]

**Definition of Terms**

To ensure the study's clarity, the following terms are utilized, and their meanings are specified.

**[TERM].** [Definition based on how it’s used in the system]

**[TERM].** [Definition based on how it’s used in the system]

**[TERM].** [Definition based on how it’s used in the system]

**[TERM].** [Definition based on how it’s used in the system]

**[TERM].** [Definition based on how it’s used in the system]