**SIGNIFICANCE OF THE STUDY**

Having businesses in cafeterias filled with children has always been a hard thing to keep up with, especially to their parents, the vendors and as well as the school personnel. Kids tend to be rowdy and quite easy to be influenced, leading to a little inconvenience during transactions. This design project will be of good help to the following:

**To the parents.** The design project will provide a mobile application which the parents can download. In this app, they will be able to see the student’s transactions throughout the day, the daily expenses as well as the remaining balance under the student’s account. This way, the parent will be able to ensure that the student’s purchases are both safe to eat and within budget. Loading kiosks will also be provided so that the parents can reload their children’s account once in a while at their most convenient time.

**To the students.** Purchases will be easier for the students since all they have to do is to order from the vendor and tap to pay. Congestion will be lessened since there will be a decrease on the transaction time. The student does not have to worry about bringing their money because their ID will act as their e-wallet. Also, the possibility of being overcharged and receiving the wrong amount of change will be minimized since the exact amount will be deducted from the student’s account.

**To the vendors**. It has always been a struggle for some vendors to keep up with the amount of students that buys in their store. Some stores have only around 2 employees to accommodate more than 10 students buying. This may result to student congestion and prolongs each transaction time. The study will provide convenience for the vendors since their transaction times will decrease and therefore increase the amount of customers each employee can accommodate at a time. This is because the payment will be automated, with the use of RFID and products have registered barcodes. In every transaction, only the exact amount will be deducted from the students’ remaining balance. This way, there’s no need for the vendors to manually process the money through receiving the payment and returning the change. And since the student pays the exact amount, this can prevent vendors from overcharging the students.

**To the University of St. La Salle – Integrated School.** This project will also help regulate the food items that are being sold in the cafeteria. Since the products sold are registered with barcodes via the Administrator, products sold in the cafeteria can be regulated. Regulated product supply means regulated consumption. This way, the University can ensure the student’s welfare and lessen the amount of products that the students consume which are considered unhealthy.

Technology has been spreading around the world mostly for the purpose of automation. There are facilities and even universities that have implemented automated technology which makes the lives of the people more convenient. Our study aims to help our University to slowly step into Automation not only for convenience, but to introduce advanced systems and technologies to the new students of our University, which in return can make them interested in studying them as well.