**SIGNIFICANCE OF THE STUDY**

It has always been a struggle for some vendors to keep up with the amount of students that buys in their store. Some stores has only around 2 employees to accommodate more than 10 students buying. This may result to student congestion and prolongs each transaction time. It’s inconvenient for the students since they only have a limited time to eat. In addition to that, there may be products sold in the cafeteria that isn’t actually good for the students to consume. Our study will aid the said problem.

It will make it more convenient 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 with 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 both receiving the payment and returning the change. And since the student pays the exact amount, this can prevent vendors from cheating them (though we’re not saying that they are) by overcharging them. The parents will also be able to monitor what their child has been purchasing through a monitoring app that updates in real time.

Since the products sold are registered with barcodes, products sold in the cafeteria can be regulated. This can help with making sure that the food that the students are eating are healthy. Regulated product supply means regulated consumption. This can 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 technologies 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.