Introduction

Background of the Study

Technology is highly essential to the culture today. Even though its changes are fast-paced, the world looks for ways to cope with its evolution and apply it to solve everyday problems. Man has developed hardware devices, software application and ways to communicate in order to suffice the needs and wants of society, making life easier and more comfortable. The society today wants products and services available anytime and anywhere – in short, have things on-the-go.

The market for children’s products and food is enormous. Parents on the one hand have a hard time raising children the way they want to, while on the other hand, kids are being increasingly influenced by commercialism that often goes against what parents are trying to do. (*Anup Shah, 2010*) Purchasing of food items in a school cafeteria is inevitable, especially for young students like the Lasallians from the University of St. La Salle – Integrated School. This is one reason why it is important for parents to monitor their children’s transactions.

This design project aims to use Radio-frequency Identification (RFID) in making cashless purchases from the cafeteria in the University of St. La Salle – Integrated School. It also makes use of Cloud Computing by keeping track of the vendor’s list of items that are available for buying, along with their prices, the number of purchases made by the students and the total revenue that they have accumulated throughout a certain period. This payment scheme also comes with an application which the parents can download in order to monitor and control the student’s transactions and see the available balance in the child’s account.