

11.0 CONCLUSION AND RECOMMENDATION

As the different businesses and companies continue to grow in number, technology continues to improve as well. This modern-day world has made technology as an avenue to continuously develop Information Systems that serve as a solution to the different problems that companies are experiencing within their organization and as a way to further improve, optimize and make their business process more effective and efficient.

The group developed MAAYUS, A Sales Inventory and Procurement System for Samuya Food Manufacturing Incorporation in order to solve the company's problem of delay of delivery of several days that even last for a week. The problems include whenever the company does not capture the orders correctly and the company needs to produce the finished goods to accommodate the needs of the clients, another kind of finished good is produced thus, there will be insufficient raw materials because the raw materials that the company have are used for another finished good instead. In addition to this, there is no standardized format for most of the forms of the company, they just record their Daily Inventory Report, Daily Stocks Report and Customer Orders on a yellow pad which all have inconsistent fields.

In order to address these, different modules and functionalities were developed by the group. The system developed contains not only forms and reports to solve the problems that the company is experiencing but also a way to make their process more efficient. The Daily Inventory Report and Daily Stocks Report were renamed as the Raw Materials Report and Finished Goods Report respectively and these reports are automatically generated at the start of the day and whenever there are certain movements that involves the raw materials and finished goods such as production, sales, orders from clients and suppliers, and delivery of raw materials. The details of the said movements can further be viewed by the user and can view the actual forms were the raw materials and finished goods were actually involved in. As for the order processing of the clients, the system developed can handle checking the availability of finished goods upon creating a new order. An option wherein the user will choose a certain finished good from the list of product line of the company was also included in order to avoid ordering wrong finished goods.

The group has also met their four objectives in developing the system which includes a system that can first, keep track of the raw materials and finished goods including the different movements made by providing the Raw Materials Report and Finished Goods Report. Second, create the necessary forms and generate in-depth reports for the different inventory, procurement and sales activities of the company. In here, the current forms of the company were not only improved but there were also additional forms that were made for the different sub processes of the company. Third, create a report for the different transactions of the clients in order to monitor the sales of the company. The Sales Report was developed by the group wherein this allows the user to generate the sales given a specific date range and this can also be filtered out by choosing a specific finished good and/or client. Fourth, notify the respective users whenever another department has made necessary requests for them in order to accurately pass the correct data and so that this can immediately be addressed. This was done through the notification feature that the group has developed wherein whenever a user is notified about the request that was made or the different activities of the other user that he needs to be aware of, he can click the notification and the user will be redirected to the page which contains the details of the form.

The group believes that they have solved the problem of the company and has also met the objectives that they initially made before developing the system. They recommend future groups who will create similar projects like this to do in-depth research on the information systems that have the same scope as their project so that it will be easier for them to familiarize themselves especially if they are just new to these type of projects. They should also make sure that they have a constant communication with the client so that they can easily address the different concerns that they have regardless if it involves the user interface design or the questions that need to be clarified about the business process. Another is that, future developers should consider to make use of software frameworks. Based on the experiences of the group, these frameworks reduce the development time of the software and through this framework, there are certain standards that are set. This also allows future developers to separate their business logic from the user interface in order to not only make their code look cleaner but it can also help them to

easily debug their programs whenever there are problems experienced and it will be easier for them to conduct the integration testing.