

## ABSTRACT

This project is developed under the subject of “Naraya Inventory Management System”, NIMS, which will involve an information system about control and managing stock in warehouse for sale. The purpose of this project is to propose a new point of view to NIMS. By using a computerized system, more convenience, more efficiency and effectiveness can be achieved by the new proposed system.

The study of this project begins with the required definition and analysis of the existing system. The problems occurring from the existing system are inadequate to handle many volumes of inventory and there are too many errors in manual operations. Consequently, the management team agrees to improve the system by reorganizing all the processes used in the concept of “Business Process Redesign”. The project covers the system analysis and design of receiving stock process, controlling stock process, and managing stock process. The results of the system have demonstrated the process of existing system in various forms such as data flow diagrams, structure chart, etc. The new computerized system will be designed to reduce time-consuming and errors occurring, while providing the better control over the process and management decision making. The user-friendly and easily maintenance of the system must be provided. The new system is implemented in Microsoft Access programming and in user interface technology.

The outputs of the new system will reach the target of efficiency inventory management system. To apply the computerized system to business functions in term of time, accuracy, and relevant information, the company would be able to increase sales, gain market share, and complete with the other competitors.