ABSTRACT

This project represents an analysis and design for Inventory Management System of Sri Heng Limited Partnership. The Inventory Management System is a critical area of the company that must be deeply developed. Therefore, the company starts at the inventory management system in order to cope with the problems.

At present, the company operates its own business activity by a manual based system so it causes a lot of problems to the company. The main problems are stock shortage and overstock, sales of wrong products because of confusing information of products characteristic of the products, lack of effective management report for decision making and planning. Therefore, this area needs to be improved and computerized. The study of the proposed system concerns the data flow diagram. Furthermore, the system is implemented on Microsoft Access as the software tool. The cost analysis and cost comparison of the purposed system is determined by using payback methods and also by using the accumulating cost to determine the break-even point between existing system and proposed system. At the beginning, the new system costs higher than the old system but in the year 1.4, the new system will cost the same as the old. At the first period of time, the system using the parallel run concept sets up the implementation process. The process will work on both the old and the new system for the number of cycles until the result of the new system meet the user's requirement and until the users are familiar with the new system.

After the implementation, it is satisfactory in the company’s performance. When the users use and become familiar with the new system, the company has found that the company got more profit since the users have more efficient jobs than before. All systems in the company are more complete than before also.