

ABSTRACT

Thaklong Agriculture Co-operation is a medium size cooperation which has more than 1,000 members with 20 million baht of annual net-profit, but each department still performs all functions manually (paper-based). Information seeking and analyzing by human operators cause some errors and redundancy. Computerized system for the co-operation is developed for resolving this problem. This system will perform all the processes, and the functions of five departments namely administrative, loaning, finance, marketing and accounting. It is used to support business activities by taking advantage of computer technology. I believe that the new system will increase speed and accuracy of business processes and customer satisfaction. This system will replace the old manual system. To achieve these goals, it requires a sophisticated computer information system as well as database management system.

This new computer-based agriculture information system is designed to be menu-driven and highly user-friendly. The advantage of this system is it allows each department to perform jobs more efficiently and effectively by sharing information on the same database. The methodology and design of computerized system is presented in this paper. An analysis of the old system needs identifying several problems, which aids us in creating new system to meet user requirement. It is much better to create a prototype for testing system before a real implementation. Also, it is able to guarantee users satisfaction. The computer security, the indispensable part of system, is also considered in this paper.