

ABSTRACT

This system development project presents the system analysis and system design activities of The Gems International Training and consultant's material management and purchasing system, which will replace the current system.

The current manual system faces the problems of controlling the precious materials from the time being used in materials requirement. The administrators design new system to replace the old one in order to control the material with more efficient and more accurate information. This project is intended to provide a better solution to the problems by applying a computerized system, which shows the specifications in table 3.1. on page 26 which are used to store and updating the information with Microsoft access in order to share database and to provide accurate information for the management decision making. The cost of this system, which presents by graph in figure 3.8. on page 29 shows that the benefits can be recovered the cost in 3.06 years at the cost of 1,182,048.- Baht. For the time being used in the new system, which is illustrated in the table 3.4. on page 30, shows that the new system is faster than the old system, the users compared the time being used for each job step by step themselves to ensure that the new system can run smoother and shorter than the manual system.

As this proposed system is used as a pilot project to evaluate the chance of changing the other internal environments, next expected plan is to integrate the left sections of this organization in order to share the information resources completely. Hence, the information can be shared and retrieved using on-line computerized system simultaneously to reduce time and cost in the working processes.