

ABSTRACT

GIA

The Gem and Jewelry Institute of Thailand (GIT) is a government organization which runs as public nonprofit organization. GIT has many service parts such as analyze and access, certificate issuance, museum, library, information service and training. This incurs a huge identified amount of tasks and transactions which are different from general organizations. Thus the board of directors of the committee has decided to install software which can manage the entire organization tasks. They employ a software house for this job. After the conference between GIT board of directors and the software house representative, the system development is mainly of entire accounting part and in the laboratory. This system development project presents the analysis, design, and implementation of General Ledger Information System for GIT which is the center of entire accounting system. All accounting information system modules cannot be presented here because of scope limitation. However the General Ledger information system can be used to manage accounting tasks alone with or without links with other accounting information system modules.

The new system will be developed in computerization to capture the data and accounting transactions to generate output reports necessary to the management level. The requirement for gathering methodology from users, analyze the requirements and system design to user need is used. Microsoft Office Visio 2003 is applied in the design phase.

Process and database modeling, network design, user interface design and output design are the result obtained. Cost and benefit analysis is included to show the comparison between cost of existing system and proposed system.