

ABSTRACT

This project covers the analysis, design and implementation strategies of the Circulation System of Central Library, Assumption University. Library is an important service for an educational institution. It is the source of information and knowledge that makes people become more intellectual.

The Central Library has been growing up very fast along with the development of the university. The amount of library materials and members has been expanding while the system is being operated manually. The transaction records are stored in hardcopy format which requires many staffs to maintain and there is a possibility of losing those data. It also takes time and cost in recording and retrieving them. The problems usually occur due to the manual system and the causes of problems have never been solved.

The new computerized system will be designed to replace the manual system. The system will record the transaction into the database which can be shared across the Client/Server network architecture. The application will be written to be the Graphic User Interface to help users interact with the system easily and comfortably. Therefore, the problems which exist in the manual system can be solved and the cost of operation and maintenance will decrease.