ABSTRACT

Assumption University is one of the most famous universities in Thailand. The university was formally established in June 1972 in the name of Assumption Business Administration College or ABAC. It is located at Ramkhamhaeng 24 Rd., Huamark, Bangkapi, Bangkok 10240 Thailand.

For the Finance and Budgeting System is currently a manual process. This system has designed 6 years ago. It is not reliable enough because it always hangs-up and is very slow to generate reports due to a large amount of data. The system was once redesigned and operated as a computerized system but it was not successful. The reason why the system has to be redesigned again, is because of the great volume of data and in preparation for the new campus at BangNa. The existing system encounters many problems such as long a processing time and late delivery of reports. The proposed system introduces barcode technology so as to facilitate the overall processes and to reduce human error in the data entry process.

The new system is developed by using a top-down structured analysis and design technique. To maximize the investment, all existing hardware and software are identified and evaluated for the system utilization in the new system. The proposed system provides accuracy, timeliness, and complete information needed to management and other users. Implementation of the new system will consume significant budget at the beginning. The break even point is 4.88 years after the system is up and running. This system has been successfully tested and implemented by using PowerBuilder version 5 as its front end and Microsoft SQL server 6.5 as its back end. The reason why the new system was designed in Client/Server Based is because of the large amount of data in the Office of Financial Management, so we have to use a stable system.

The new system is also designed to integrate with and access the other systems of the Office of Financial Management.