

ABSTRACT

The purpose of this project is to develop the quotation software for a printing company, called Automatic Quotation Program. To achieve the objective, formulas, calculation methods and software development techniques are studied.

The concept of quotation program is to create a stand-alone program that can be easily used by operators. The program will consist of all essential data and information. The program will be designed in easy-to-use format in which the user is required to put the information, and then the program will calculate and conclude in the quotation form.

This report covers complete analysis and design of quotation using Visual Basic as an application and user interface creator and Microsoft Access as database. The analysis part is done to identify the current problems and to define the scope for improvement. Designing the proposed system covers the application design, database design, data flow design, user interface design and output design.

The evaluation shows high accuracy of calculation by the proposed system compared with the existing system. The accuracy is over 98% which is acceptable.

The cost benefit analysis shows the lowest cost of investment and the payback period within 5 months and 24 days. The operating cost is reduced from 898 baht/month to 112 baht/month. The time for a quotation also is reduced from 6.75 minutes to 0.75 minute per calculation. Other benefits are also expressed in terms of customer satisfaction and improved image of the company, which cannot be interpreted in money, but which will provide long-term revenue for the company.

Successful implementation of the project shows that this program can increase the efficiency of the quotation and competitiveness in customer services. However, the

system still requires modifications to serve more complex calculation for the printing company.

