

## ABSTRACT

This system development project presents the analysis and design of Catalog Ordering Information System. The project is developed to solve the problems of customers and stock records are inaccurate and that makes it difficult to evaluate and forecast the performance of the company and redundancies occurring in almost every process as each of the customers orders have to go back and forth through each Department. The objectives of this project are to develop an in-house information system that gives the significantly advantage for 7Catalog Company Limited in such a highly competitive market, to facilitate customers to purchase our products in order to increase our sale volume and to standardize our business and working processes to increase the reliability of customer's point of view.

The study of this project begins with the required definition and analysis of the existing system. Information system analysis and design tools such as context diagrams, data flow diagrams, data dictionaries, entity relationship diagram and structure charts are used to analyze both the existing and proposed systems. Candidate solution matrix is also used to compare various alternatives in order to come with the most effective solution. Capital budgeting models such as the payback method, the cost-benefit ratio, and the net present value are used to evaluate the proposed system.

It was found out that the new computerized system is implemented using 10 Base-T LAN with 1 server, 10 clients, 1 UPS and 3 printers. Software for the purposed system are Windows NT Server 5.0, MS SQL Server 2000, MS Office 2000, Microsoft Internet Information System 3.0, Microsoft Active Server Page (ASP), MS Frontpages2000 and Macromedia Flash 6.0. Based upon payback method, it shows that the initial investment will pay for itself after 2.6 years. In term of degree of

achievement, the purposed system can process data about 7 times faster than the existing system.

To further improve the purposed system, it is recommended that training of computer knowledge, system knowledge and the usage should be set up for the user groups to help them not only to operate the system more efficiently but also to create new idea for further modification of the system. This will allow users and customers accessing the system more easily and faster.

