

## ABSTRACT

This system development project presents the analysis and design of Web Base Job Distribution System. The project is developed to solve the problems of unsystematic workflow, job allocation, report production, low level of accessibility as well as the opportunity of corruption inside the company. The objectives of this project are to improve the overall efficiency and effectiveness as well as the accuracy of all data. Besides, it aims to enhance the company's distribution channel and prevent corruption at a certain level. Moreover, it also targets at the reduction in operational cost while maximizing the company's profit.

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, decomposition diagram, 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, the net present value and break-even analysis are used to evaluate the purposed system.

It was found out that the new computerized system is implemented using FAST Ethernet 100 Mbps with 1 server, 7 clients, and 2 printers. Software for the proposed system are Windows 2000, MS Office 2000, MS Access, Macromedia Dreamweaver and ASP Based upon payback method, it shows that the initial investment will pay for itself after 1.4 years.

To further improve the proposed system, it is recommended that advertising on the company's website should be heavily done. Moreover, the connection between other department in the organization should also be accomplished to allow data sharing and achieve truly paperless environment.

