

ABSTRACT

This system development project was developed to improve the existing functions of Spare Parts Control System for Inter Automobile Company Limited with the purpose of improving the operation of the company. The project emphasized on computerizing the control of spare parts inventory system that has to handle many transactions a day together with approximately two thousand spare part items.

The existing system did not keep data in form of database; instead, the collection of day to day operation was created manually by simple spreadsheet software. This caused many problems such as data entry error, inaccurate information, extravagant or inadequate stock, and so on. Consequently, we had to solve these problems and provide more advantageous operation with fewer errors to the system.

System Analysis and Development Methodology was gained to cope with these matters. Studying an existing system to analyze the current problems is the first step of this methodology. The problems concerned redundancy in data and process, inappropriate reports for decision-making, and time consumption in some manual processes. These obstructed the organization to carry out its business goals. Thus, we had to replace the existing system with a new computerized system. Furthermore, we had to find out what the users required also, in order to develop the proposed system to reach those requirements. Each requirement could be perceived from the users in the organization.

This project used various techniques to develop and evaluate the proposed system that is suitable for the size and the function of the company. Feasibility Analysis is one of the important techniques, which can show the profit trend in the next few years of the new system. We can know whether it is worth to adopt the new system.

All of the screens and report forms were designed on a user-friendly basis because the system should be easily used and understood. By using the new computerized system, the organization could manage information properly and efficiently so it can be advantageous over its competitors during the economic crisis.

