

ABSTRACT

The objective of this project is to create and develop a warehouse management system in order to improve the efficiency of the existing system and provide an effective computerized system for warehouse staff and warehouse manager.

The existing system operation is based on both the manual and some computerized systems. Some data are stored on hardcopy, while some are kept in file (like excel). It takes time in order to inquire information. Human errors caused a great deal of incorrect data problems.

The proposed system will be developed to place the existing system. All data are kept in Paradox database and supported by barcode technology combined with pictures to eliminate all kinds of error in identification and recognition. The user interface is designed for the users to do their works easily and conveniently.

Cost justification of the proposed system was seriously considered in all kinds of warehouse activities such as receiving, put-away process, picking/packing, checking, replenishment and so on... to save the cost by at least 30 %.

Implementation required a cooperation of all involved parties to make software work smoothly and effectively in warehouse system. Testing is done by programmer and involved persons to make sure that all functions of the system work properly. Training and documentation are necessary and important for user to avoid unexpected situations. The result showed that all the performances of warehouse management activities are improved such as stock checking, receiving/put-away process and so on...

Finally, there are several ideas and technologies that WMS has to consider to improve in flexibility and effectiveness such as Web-base technology, product reservation ability ...