

## ABSTRACT

This project focuses on the system analysis, system design, and system development of an inventory management system for GRP Company to assist the company in improving the efficiency and the effectiveness of its business by replacing the paper-based system with the computerized system.

An analysis of the existing system, including existing business functions and existing processes, was conducted to identify the current problems and the areas for the improvement. The user requirements were also collected and analyzed for the designing of the proposed system. The design stage of the proposed system covers the dataflow diagram design, the process design, the database design, the user interface design, and the report design. Hardware and software specifications were also listed to perform cost and benefit analysis. The system implementation phase covers coding and testing application program, in which Microsoft Visual Basic 6 was used in coding. The system was evaluated in the system evaluation stage to test if it is capable of working and meeting the objectives. The results of the system evaluation suggest that the system performs accurately and satisfactorily according to the design specifications and objectives.

The recommendation to the project gives the idea and suggestion for achieving the best system performance for providing great contributions to the company's inventory management system and helping the company have more effective and efficient operation.