

ABSTRACT

This research presents a solution for the loopholes of the present transport management system of SriLankan Airlines. Although there are many changes have been done in the organization, transport section has kept remain same without changing its management system.

It has been identified that although there is a separate transport section, a significant amount of out sourced transport providers has utilized to fulfill transport requirements. Therefore, this research has prepared to optimize the vehicle management system which is available right now. Variables such as Utilization of drivers, Vehicle requisition system, Requisition approval process, Vehicle dispatching procedure, Vehicle locating system, Transport budgeting and variance procedure, Reports and decision making have utilized to design a computerized vehicle management system.

It has identified the interconnectivity of each section in the whole process from requesting transport to the dispatching of transport. Furthermore, it has proven that system is making strong the three flows of Supply Chain Management (service flow, financial flow, Information flow). One year journey related data (more than 6500 records) has been analyzed in this thesis.

There will be an IT based transportation management system as an outcome of this thesis. It has created flow charts for the system. Furthermore, it is included with a couple of mechanisms such as approval process, visibility of budgets and variance process, GPS tracking process, Report generating process. In addition to the IT based system, it has described a special process called 'Gate Pass'. That system has ensured the proper flow the transport management system. In addition to those implementations separate demand oriented driver schedule has described by analyzing secondary data