LMS: Logistics Management System

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Abstract

Logistics management system project is developed to automate logistics operation like payment, delivery report, generating transactions receipt etc., in a logistics office. Using this system user can computerize logistics office work like booking, creating and generating report etc. The main job of the transaction is to provide logistics service to consignor and consignee. Logistics management system is a software application to maintain day to day transaction in logistics office. Using this system user can manage logistics work. They can select vehicle to transaction the goods. They can also track the vehicle delivery of goods. It is developed for a complete solution that is GUI based user friendly system. According to survey respondents, the most effective long-term logistics strategies heavily on innovation, and focus on maintaining high levels of customer service, and attaining the ability to target logistics initiatives that drive business growth. Also important to producing the best possible results are improving efficiencies and productivity in logistics operations, promoting sustainability initiatives, supporting global trade requirements, and improving asset utilization.

1. Introduction:

The Logistics Management system is the application developed to manage the transportation work easily keeping the transport agency up to date regarding the vehicles information. Transport agency has the work to transport goods from one city to another city. They have to keep track of each and every truck or others transport vehicles they have in their transportation company. They have to record each and every transaction of the vehicles to manage the transportation business. Logistics management system also allow user to keep records of the delivery report. Transport Management Company will keep records of each and every truck that has been taken by any transport vehicle, transport agency also record expenses incurred for a journey on a day. Our Logistics management system will automate this process by calculating the total amount of a transport vehicle and also keep records of dues on the particular trucks. Transport agency can also generate records by using the system to keep records or document the expenditure. Transport agency can generate bills using the system and also check the amount of the particular transport. It can also generate report to calculate the total
expenditure in particular vehicle transportation consignee. In this software application it helps to maintain the daily transactions of the lorry office. This software also enables the transporter to choose the vehicles and to do the track payments and billing as well as receipts. At the same time it includes many reports to find the details. The focus of this project is to automate the operations of the transporter’s office. They need to maintain thousands of records and searching also becomes easier and faster. Required details can be easily available with a narrow search. The proposing system will be more effective for the management. They can select vehicle to transaction the goods as per the needs. This software application is designed in such a manner that it can suitably meet the needs of all the transport companies in the future.

2. Existing system:
In existing system all works are done manually. In this system it is difficult to find old records. Since all work is done manually, it takes time to give records for management regarding query. All work is done on paper so it is error prone system. Sometime it is very difficult to manage all logistics delivery. So an automated system is needed to computerize all these activity. In the existing system the Production Maintenance is maintained manually. Many changes have to be made often. This increase difficulty for the management because retrieving correct information was difficult in such a system. Each and every has to be maintained perfectly in order to develop growth in any term. But this seems to be a tough task because frequent updating of records leads to confusion s great extent. When lot of information is transferred manually, there are possible for more errors. The present system is too risky and time consuming so it results in a chaotic state. This may lead to show access loss to the management and waste time. Totally, the system is a difficult task. The study of the existing system revealed that the system has several drawbacks.

3. Proposed system:
The proposed system is to computerize the Production Control for the department for various purposes. Date regarding the Product Details are collected and maintained for future reference. The proposed system is an effective method for the management. It quickens the work and data entry is made in a meaningful way. The forms are designed clearly and each entry is recorded in a table. The reports can be generated periodically. The new record can also be entered under each section. This is an efficient system considering time and manipulations. Proposed system will automate all the work done manually in existing logistics system. It will store all the records of goods delivery. Using this system we can identify stock or truck of the transaction and routes to the destination. Here employee can view the type of import and export logistics goods. Employee can manage billing operation for transaction. Admin can also check which truck is available for transport and how long it takes to reach the delivery point. The system provide the basic components of a shared information system to support the collaboration, routes, roles, transaction set document and information exchange to facilitate the booking, execution, and settlement of any type of transaction movement.
4. Conclusion:

The review of logistics system in a broad sense might help to integrate the advantages from different application cases to overcome their current disadvantages. The review of transport systems provides a clearer notion on transport applications in logistics activities. The project deals with various operation and transaction that are carried out in the different levels of logistics management system. The developed system is user friendly and the changes can be made easily when required. Hence the system can be maintained successfully without much rework. The logistics management system thus developed provides highly coordinated and collaboration means for managing the sales and inventory activities in the organization. It serves as a gateway for the accurate tracking of customer needs. Logistics system has a more and more important position in the society activities.

Reference:
[6] ROGIER DE KOK MSc, Logistics Supply Manager at ASML.