PACKAGE TRACKING SYSTEM

SUBMITTED BY :

GROUP 3

NANADANA ANIL

RIYA VINCENT

SHALIMA SHAJAHAN

CHRISTY RAJ

AMJIYAD AHSAN

NIHAL K

ANANTHAPADMANABHAN S

ASWIN PRABHAKARAN

Introduction

In modern age, as time increase, needs & requirements of the person are also increased. They want more facility & try to do their task quickly & within time. Within the country, the things can be imported through post service. However, it consumes the time & sometimes problem of damage or missing occur. The courier service is one of the solutions of these problems. It is used to send some things to any person within time. The courier company has number of branches, which are spread over the country. So that when person wants to send things then he has to contact at nearest courier service branch. The courier company creates the schedule & gives internal/external services. The courier service work as destination office or source office. The source office branch receives the order means consignments & sends it to the destination courier branch. The company has certain rules according to the weight. Using the courier service person can easily send his/her parcel to other person in the particular destination within the time. Now days, 50% of companies of the world uses the services of various courier company.

ABOUT THE PROJECT

Courier Management Softwares of various types are widely used by Courier Companies to efficiently track and process their delivery orders. This goal of this project is to develop a courier management software to help businesses and its customers to locate the movement of couriers. This aims to make efficient the pickup, delivery and transit of goods. Automation will be a key feature of it. This reduces any delays in delivery without causing any losses due to follow ups. Rapid repair of damaged equipment and optimizing the utilization of them along with improved parcel security has been the focus. As a result of this, losses will be lowered and costs can be cut, thereby making the operations as efficient as possible. Cloud Computing will serve as a cost effective solution to deploy this. Global Positioning System (GPS) technology has been the pillar of the system which is responsible for sharing the exact geographical location. This information can improve quality of the service. GPS also leaves a trail of the package and helps the customer get alerts and track it.

AIM OF THE PROJECT

The main aim of the project is to develop an application system that meant to partially computerize the work performed by the department. The major function are collecting information about courier agency.

SCOPE

This project provides the facility to all users to send and receive the courier. They can get the information of the status of the courier. System development is also considered as a process backed by engineering approach. Courier agency is considered as an expansion of business relations. It contributes a lot by providing quick & fast services of sending documents letters (formal & informal both) to business as it enables any business to flourish. This project is for only Domestic Courier Management. In this project we only focus on Client Management and partially Employee Management.

How existing system work

Description of the event-flow of present system is pointed out below:

1. Client go to the nearest courier branch office and collect information about the destination branch office.

2. Then client calculate the cost for sending courier.

3. Now client fill the form. The Details included in the form are

- ✓ Full name of sender
- ✓ Sender mobile no
- ✓ Sender full address.
- ✓ Mention the destination branch office
- ✓ Mention this courier for home delivery or not.
- ✓ Full name of Receiver
- ✓ Receiver mobile no.
- ✓ Receiver full address.

4. Now Customer will hand over his or her good to the branch.

5. If everything is okay way bill is printed out.it contains all the information to identify the delivery .
6. Then the data for a particular courier maintained in a proper file. A person summarizes all the data of the courier in a register, this work require a high-level of attention since it has to be taken care that no wring entry goes into the register.

Limitation of existing system

1. There have no tracking system to know the current location for courier.

2. Manual data entry.

3. Data may lost or damage

4. Any unauthorized person can access confidential data.

5. Any information cannot be easily searched.

6. Redundancy of data.

 7. More time consuming.

8. Inaccuracy in transactions.

9. Slow processing.

10. All connection between Courier Company and client is mobile based.

Proposed System & It's Advantages

 After a detailed study of the existing system, it is evident that is does not fulfill the objective of the organization. To make the objective possible for the organization, it is required to have a computerized information system with the help of which all tasks can be processed more accurately and quickly. To achieve this, it is necessary to design and develop a new system. Proposed system is being designed in such a way that many users can have a view with the system simultaneously. It makes effective and perfect utilization of manpower and resources. By new system client get a tracking no (which is the bar code or QR code) and password by this track his courier. Also, get update information by E-mail or SMS.

 New system has following advantage:

- ➢ Online tracking system: A sender can track the courier and identified the location.

- ➢ Easy to get Branch office info: A navigator can show all branch office info via webpage so it is not necessary to go branch office for destination branch office info.

- ➢ Easy comparison: Navigator can calculate the cost and easily compare other courier service.

- ➢ Information access: A navigator easily can get info about company and other like lost courier.

- ➢ Online chat room: User can chat with company through online chat room.

- ➢ Be update: Client get all update via Email or SMS about courier e.g., whether packet is delivered, pending or returned to the client etc.

- ➢ Easy Redirect: Client can easily redirect the courier.

- ➢ Easy in maintaining information: Staff can be easily update information about a specific courier using bar code reader or QR code reader.

- Routing Information: A Sender can see the all routing information and estimated date of delivery. ¬ User satisfaction: The system is such that is stands up to the user expectations like easy and faster retrieval of information.

- Safety: The system will be accessible by only the authorized users. As information, being the most crucial for the organization, then the safety of information is importation.

- Highly accurate: resources being used by the system will be compatible with the latest technologies available in the market, as proposed system uses highly technically compatible resources, there will be very less wear and tear.

- Less time consuming: work carried out by the staff at various stages will be less time consuming.