iJRASET
International Journal For Research in Applied Science and Engineering Technology

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 5 **Issue:** X **Month of publication:** October 2017

DOI: http://doi.org/10.22214/ijraset.2017.10311

www.ijraset.com

Call: 08813907089 | E-mail ID: ijraset@gmail.com

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor:6.887
Volume 5 Issue X, October 2017- Available at www.ijraset.com

Enhanced System For Delivery

Ms. Pratiksha Chourasia[1], Mr. Shivam Pandey[2], Ms. Simran Malawat[3], Ms. Shradha Mhatre[4], Mrs. Harshali Patil [5]
[1, 2, 3, 4]*Computer Engineering Thakur College Of Engineering And Technology Mumbai, India*
[5]*Assistant Professor Thakur College of Engineering and Technology Mumbai, India*

***Abstract*: Smart Delivery System is an application system for efficient delivery and maintenance. The application primarily focuses on reducing the burden and discomfort in managing and delivering all the product and services. This will reduce the cumbersome of all the stack holders such as delivery manager, customer and delivery boy for providing services to the concerned personnel.**

It will provide customer with fast and assured delivery. It will enable the courier boy to locate the fastest and most convenient route for delivery taking into consideration the traffic parameters, location of delivery, etc. it will provide the courier manager to evaluate the performance of each of his courier delivery boy through feedback from customer and amounts of product delivered per day

The existing system is not totally automated though the system can be completely computerized. The different processes involved in the existing system are: to maintain the details of bookings manually, calculate salaries of employees, to maintain details of incoming couriers, to maintain return details. There exists a general uncertainty and issue about whether a document is delivered/collected on time. Mostly delivery companies the records in delivery books or files which becomes very difficult to maintain and secure. Also, most companies find it very hard to effectively decide monitor the task of their delivery as it is practically impossible to monitor the delivery time because of the variables involved such as traffic jams, identifying delivery points etc. Nowadays, 50% of companies of the world uses the services of various delivery system. Today's consumer has become increasingly demanding. They not only want high quality products but they also expect high quality customer service. The existing system is highly intangible in terms of reliability and ability to perform the promised services accurately with security of records.

In this project, we are presenting an application system for efficient Delivery and Maintenance. To design this we are using various technologies like Android and Google API. The application primarily focuses on reducing the burden and discomfort in managing and delivering all the products and services. This will reduce the cumbersome of all the stakeholders such as Delivery Manager, Customer and Delivery Boy for providing services to the concerned personnel. It will provide customers with fast and assured delivery. It will enable the courier delivery boy to locate the fastest and most convenient route for delivery taking into consideration the traffic parameters, location of delivery etc. It will provide the courier manager to evaluate the performance of each of his courier delivery boy through feedbacks from the customer and amount of products delivered per day.

I. INTRODUCTION

In this project, we are presenting an application system for efficient Delivery and Maintenance. To design this we are using various technologies like Android and Google API. The application primarily focuses on reducing the burden and discomfort in managing and delivering all the products and services. This will reduce the cumbersome of all the stakeholders such as Delivery Manager, Customer and Delivery Boy for providing services to the concerned personnel. It will provide customers with fast and assured delivery. It will enable the courier delivery boy to locate the fastest and most convenient route for delivery taking into consideration the traffic parameters, location of delivery etc. It will provide the courier manager to evaluate the performance of each of his courier delivery boy through feedbacks from the customer and amount of products delivered per day.

II. PROBLEM DEFINITION

The proposed system will be highly reliable in terms of performance and accuracy. It will be error free with the records, tracking details. The system will be user friendly and secure. The overall maintenance of the system will be significantly low compared to the existing system. It will not create any ambiguity in the customer's mind regarding the delivery.

III. OBJECTIVES

The main objective is as follows: The main objective of this project is that it facilitates user to communicate in a faster manner in comparison of manual system. Through this system, the status of the delivery can be known easily whereas in manual system it is difficult. To develop software solution for delivery services that provide best service, error free and last longer. To introspect and

analyse the existing system that cater in the business of an information technology firm. To provide security of records in the database. To estimate the working hours and incentive based salaries of employees. To generate the multiple reports from the information provided as per the requirements. To provide timely delivery of products and enable the customer to check the delivery status through alerts via email, SMS etc.

A. Abbreviations and Acronyms

SDS- Smart Delivery System

IV. SCOPE

The scope is to be able to provide services to the intended users that expect assured delivery. They will be able to keep track of their delivery. To be able to conduct performance analysis for the distributor company that will help in incentives and promotion of employees. This will also help in the overall growth and analytics of the distributor company.

V. EXPECTED OUTCOME

A user friendly system which will be highly reliable in terms of performance and accuracy. It will be error free with the records, tracking details. The system will be user friendly and secure. The overall maintenance of the system will be significantly low compared to the existing system. It will not create any ambiguity in the customer's mind regarding the delivery. . This will reduce the cumbersome of all the stakeholders such as Delivery Manager, Customer and Delivery Boy for providing services to the concerned personnel. It will provide customers with fast and assured delivery.

VI. PROPOSED WORK

Most companies find it very hard to effectively decide monitor the task of their delivery as it is practically impossible to monitor the delivery time because of the variables involved such as traffic jams, identifying delivery points, weather conditions etc.

The current system will compensate for uncertainties relating to effectively deciding and monitoring the task of their delivery considering traffic jams, accidents and weather conditions. The application primarily focuses on reducing the burden and discomfort in managing and delivering all the products and services.

The proposed system will be highly reliable in terms of performance and accuracy. It will be error free with the records, tracking details. The system will be user friendly and secure. The overall maintenance of the system will be significantly low compared to the existing system. It will not create any ambiguity in the customer's mind regarding the delivery. Also, it will enable the distributor companies to be able to measure the performance growth of its employee's through effective feedback mechanism which in turn would help in the overall development and growth of the company.

VII. METHODOLOGY

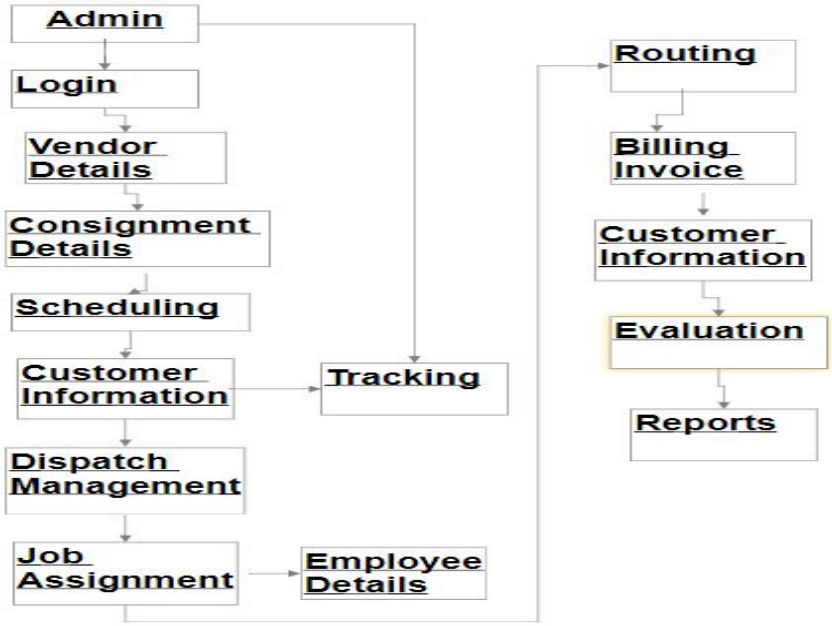


Fig. 1.Block Diagram of SDS

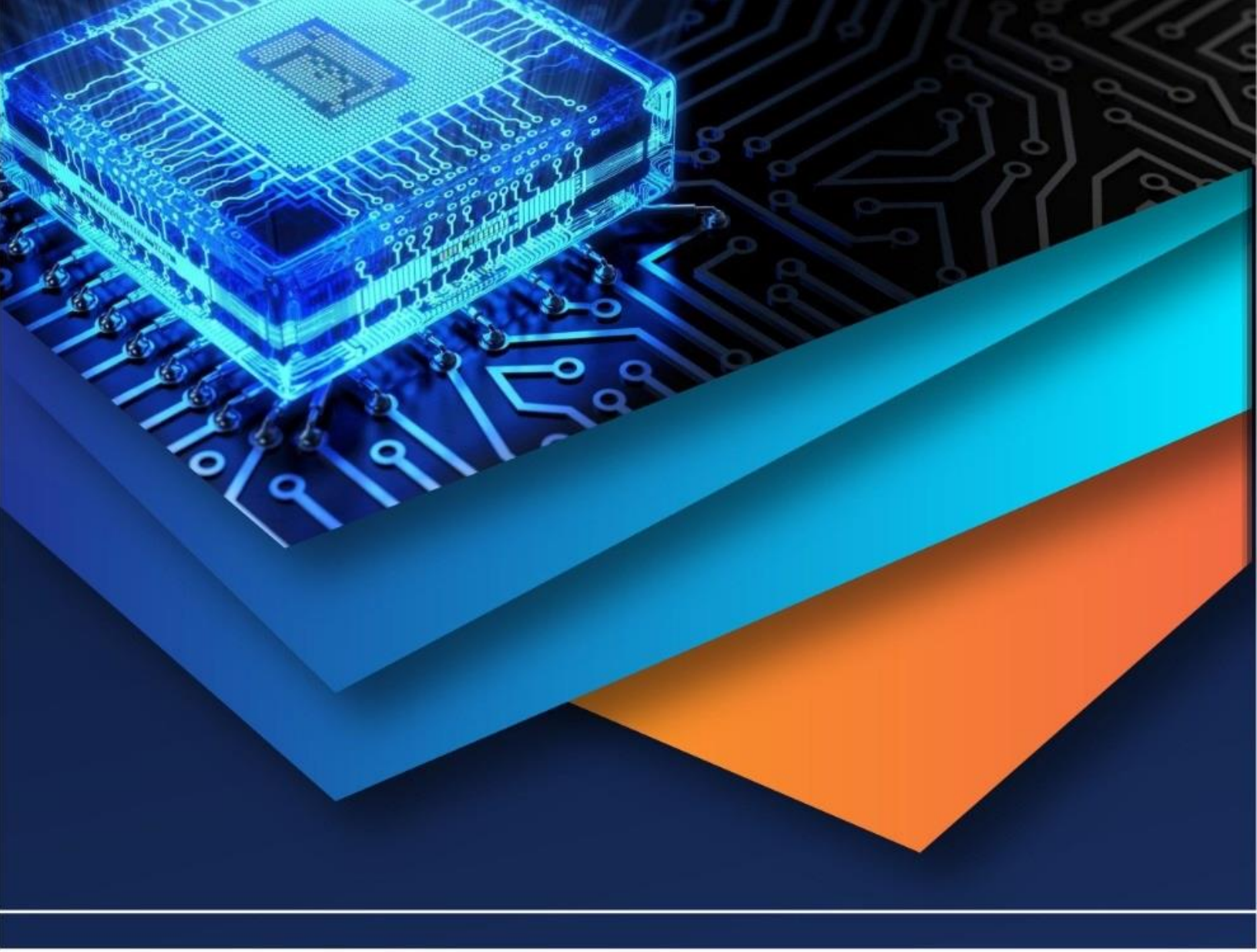
Figure 1: In SDS, we have admin as a power user. Admin has login rights. Once, admin has logged in, he/she can enter vendor details/slash consignment details and customer information with addresses where delivery needs to be made. The addresses are fetched by the system in a map format wherein scheduling is done. Packages are aligned to their respective routes and labels are generated with respect to locality. Printed labels are then attached to each consignment to make it easily deliverable by employees. Job assignment is done following dispatch management. Once the packages are dispatched, an automated message is sent to customer with a tracking link. Admin also has an ability to track the consignment. Billing invoice is generated at the time of label printing. An automated message gets delivered to customer mobile having a customer feedback link. At the end of the day an evaluation is been generated containing a list of customer who logged their feedback and waiting for the same.

V. CONCLUSION

The Delivery System is automated as handwritten documentation is minimized to a bare minimum the software is fully implemented. The data can be easily backed up onto a reliable media so that no or minimal data loss is there in case of system crash. Unauthorized access to data is nearly eliminated by providing password authentication system. The system provides the distributor companies to evaluate their employee's performance based on feedback mechanism which in turn helps them to evaluate their growth.

REFERENCES

[1] E. J. Seymour, B. Miller, "Google-Based Mapping System for Traffic Management Center W
[2] eb Navigation", presented at the 86th Transportation Research Board Annual Meeting, January 21–25 2007.OPTIMAL PATH-FINDING ALGORITHMS* Richard E. Korf Computer Science Department University of California, Los Angeles Los Angeles, Ca. 90024
[3] Data Mining: Evaluating Performance of Employee's using Classification Algorithm Based on Decision Tree
[4] Suo Qi. Database Marketing Research Based on Data Mining [J]. Technology and Market, 2007(2):53-54
[5] Han Jing, "Application of Fuzzy Data Mining Algorithm in Performance Evaluation of Human Resource". Economic and Management Institute, YanTai University, Yantai, Shandong, P. R. China, 264005



10.22214/IJRASET

45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY