

# Scrap Online Collector System

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**Abstract-** Scrap Collector is Web based Online Portal for door to door Free Scrap Collection and Recycling Service. Scrap Collector Provides different Sectors which include Individual House, Society, Organizations and Industries. Give away your recyclables used paper, plastic, metal, glass etc in a most environment friendly manner. Scrap Collector (SC) is the India's first App and Web based Online Portal for door to door Free Scrap Collection and Recycling Service. Scrap collector brings transparency to the age-old ways of waste paper collection. We have introduced the use of electronic weighing scales at the doorsteps of clients. Our First Priority at scrap collector is Customer Satisfaction which we try to achieve by giving the Best Price, Accurate Weight (Electronic Weighting Machine) and 100% assurance of Recycling the Scrap Material Provided by our Customers. We purchase waste paper of all kinds at a fair price, including newspapers, notebooks, magazines, steel, brass, glass, iron, plastic, etc. Guarted to peek a scrap with in 24 hours.

**Keywords-** K-means clustering algorithm, Java, Web base portal, SMTP, GPH etc.

## I. INTRODUCTION

Scrap Collector (SC) is the India's first App and Web based Online Portal for door to door Free Scrap Collection and Recycling Service. Scrap collector brings transparency to the age-old ways of waste paper collection. We have introduced the use of electronic weighing scales at the doorsteps of clients. Our First Priority at scrap collector is Customer Satisfaction which we try to achieve by giving the Best Price, Accurate Weight (Electronic Weighting Machine) and 100% assurance of Recycling the Scrap Material Provided by our Customers. We purchase waste paper of all kinds at a fair price, including newspapers, notebooks, magazines, steel, brass, glass, iron, plastic, etc. Guarted to peek a scrap with in 24 hours. We make use of technology in the whole process of collecting waste. Give away your recyclables used paper, plastic, metal, glass etc in a most environment friendly manner. We have a centralized call center, and our mobile workforce uses tablet PCs for submitting their transactions. This enables trust among common people. We also take waste collection bookings through text messages.

Scrap is a term used to describe recyclable materials left over from every manner of product consumption, such as parts of vehicles, building supplies, and surplus materials. Often confused with waste, scrap in fact has significant monetary value.

## II. IDENTIFY, RESEARCH AND COLLECT IDEA

We realized that the recycling industry in our country works in silos. On the other hand, waste management has become a problem for almost every household. Scrap Collection Service's for different Sectors which includes Individual House, Society, Organizations and Industries. Post that, we launched this initiative called scrap collector means waste paper, plastic, books, glass, iron, steel, etc collect. Presently there is an urgent need of proper utilization of scrap because of pollution of water and areas. To cope up with this we developing a scrap online collector portal which is suitable for locations for monitoring of scraps area wise is implemented.

## III. WRITE DOWN YOUR STUDIES AND FINDINGS

The purchase and sale of electronic ETPs is hindered by a lack of good, consistent information about material characteristics and quality. Availability of such information is vital for market development efforts and trade, particularly if reclaimed materials are to compete with virgin materials. The goal of the Material Characterization and Development (MC&D) Task Force is to enhance the trade of recovered ETPs through the development of material quality assurance systems. The specific deliverables of this Task Force include:

Develop a glossary & definitions - a consistent terminology - for recovered and reprocessed electronic

Develop a standard classification degrading system to enhance buying and selling of recovered ETPs, including standard specifications and test Procedures and, Integrate the grading system into a plastics trading platform.

## IV. PROPOSED SYSTEM

For development of our system we have to require GPS network, Smart phone, hardware, and microcontroller. A GPS i.e Global Positioning System network is a distributed

network to monitor scrap in area wise, such as iron, steel, paper, plastic, aluminum, electrical wires these scrap data information cooperatively pass through the network to a main server i.e Admin portal. We have to implement Web based Online Portal for door to door Free Scrap Collection and Recycling Service. Scrap Collector Provides different Sectors which include Individual House, Society, Organizations and Industries. Give away your recyclables used paper, plastic, metal, glass etc in a most environment friendly manner.

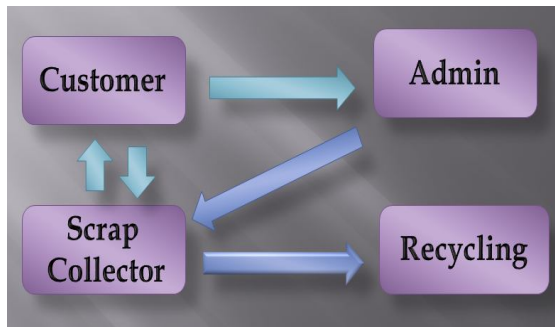


Fig. System Architecture.

This is a Online Scrap Collector Portal which is useful in the Cities Municipal Corporations This system architecture has three modules. Admin,Scrap Collector ,User Customer. Scrap Collector (SC) is the India's first Web based Online Portal for door to door Free Scrap Collection and Recycling Service. Scrap collector brings transparency to the age-old ways of waste paper collection. We have introduced the use of electronic weighing scales at the doorsteps of clients. Our First Priority at scrap collector is Customer Satisfaction which we try to achieve by giving the Best Price, Accurate Weight (Electronic Weighting Machine) and 100% assurance of Recycling the Scrap Material Provided by our Customers. We purchase waste paper of all kinds at a fair price, including newspapers, notebooks, magazines, steel, brass, glass, iron, plastic, etc. Guarded to peek a scrap with in 24 hours.

## V. GET PEER REVIEWED

The waste paper disposal space has, till date, been unorganized. This application use many people save a time and earn money. Scrap collectors an innovative, organized waste paper collection and recycling system that changes the very experience of waste paper disposal, going much beyond it.

We face many difficulties when we have to sell our scrap but this app will solve this problem. We don't have to

wait for scrap collector any more. Its digital world so this application provides digital way to sell our scrap.

## VII. IMPROVEMENT AS PER REVIEWER COMMENTS

Analyze and understand all the provided review comments thoroughly. Now make the required amendments in your paper. If you are not confident about any review comment, then don't forget to get clarity about that comment.

## VIII. CONCLUSION

Scrap is an app that will help users to browse products and communicate with the seller in matter of no time. A successful transaction between the buyer and the seller is when all the objectives are fulfilled. These types of applications would be of great use for the scrap/waste material users to find the sellers easily in the sense that they can reduce their work of searching for the sellers.

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## REFERENCES

- [1] Dillon, P.S., "Recycling Infrastructure for Engineering Thermoplastics: A Supply Chain Analysis," in Proceedings of the IEEE International Symposium on Electronics and Environment, May2725, June 2016. 1999, p. 198-203
- [2] Sander, K., et al., The Producer Responsibility Principle of the WEEE Directive Final Report. 2007: Ökopol GmbH Institute for Environmental Strategies Germany, The International Institute for Industrial Environmental Economics Lund University, Risk & Policy Analysts United Kingdom.
- [3] Dillon, Patricia S., Recycling Market Development for Engineering Thermoplastics from Used Electronic

Equipment: Summary Report of the Stakeholder Dialogue Meetings, Technical Report. #21, Chelsea Center for Recycling and Economic Development, March 2000. (Available at [www.chelseacenter.org](http://www.chelseacenter.org))

- [4] Research on Development of Android Applications”, Jianye Liu School of Information Yunnan University of Finance and Economics KunMing, China, Fourth International Conference on Intelligent Networks and Intelligent Systems, IEEE 2011.
- [5] Mr. Murugadoss k panneerselvam “Mobile commerce – a mode of modern business”, ,Asia Pacific Journal of Marketing and Management, July (2013)