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.

Index Terms **- 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. Grunted to peek a scrap within 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 house hold. 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 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. EXISTING SYSTEM:

In existing system, The users who have scrap in there home or area like papers scrap, plastic scrap, iron scrap, steel scrap or many more they need to go to scrap collector shop. This process takes more time also requires extra human efforts.

Disadvantages of Existing System:
- Time consuming.
- This process was requires extra man power.

V. 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.
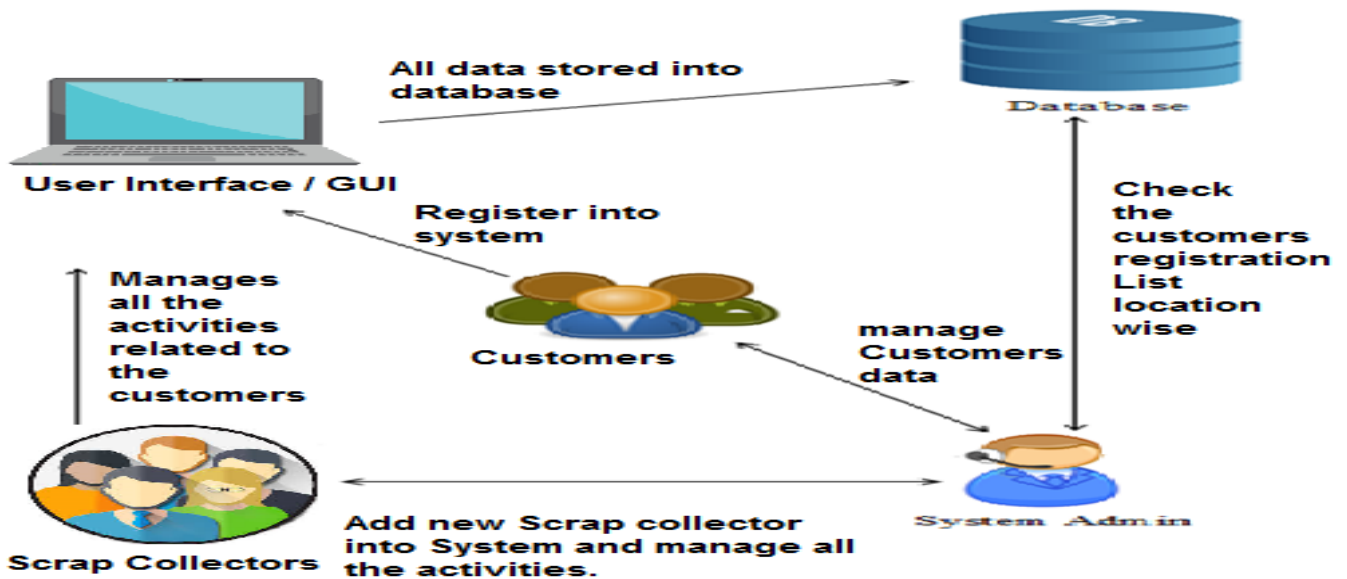

Fig No: 4.2 Block Diagram

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.

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Collector will comes to our given location and collect the scrap. Here we don't have to wait for scrap collector or we don't need to go for sell the scrap. Here scrap collector comes when we call them according to our convenience and collect all the scrap and create one receipt and submit that receipt on portal. This application will guarantee that scrap will be collected with in 24 hours. There is no cheating in this weight will be measure in electronic weight machine. Scrap is a term used to describe recyclable materials leftover 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.

Recovery scrap network is a service that manufacturers provide to consumers. Broadening the service concept, this paper focuses on a tripartite concept of the co-created relationship among related stakeholders, namely service providers, service recipients, and ecosystem. There are five groups of activities that appear to be recurrent in the recovery network collection, inspection and separation, reprocessing, disposal, and redistribution. Each activity needs corporation not only manufacturers, distributors, recyclers, but also government agencies, private sectors, and end users for creation of integrated scrap recovery network. Plastic recycling is the process of recovering scrap or waste plastic and reprocessing the material into useful product.

Advantages of Propose System:
- User (admin, customer, scrap collector) can easily operate the application.
- We have a centralized call center, and our mobile workforce uses tablet
- PCs for submitting their transactions.
- System is easy to understand and user friendly.
- User can also connect with their android device.
- User can connect easily to the system.

VI. FUTURE SCOPE

The scope of the project is to provide approaches and strategies which have proved to be the suitable when assessing the e-waste system of the defined region. This collection will reduce the e-waste from the household, company, industries, city, etc. The Environment pollution will reduce and the electronic waste will recycle or deployed. The fundamental aims of the Basel Convention are the control and reduction of trans boundary movements of hazardous and other wastes including the prevention and minimization of their generation, the environmentally sound management of such wastes and the active promotion of the transfer and use of technologies. This technique could eliminate waste disposal costs, reduce raw material costs and provide income from a salable waste. Waste can be recovered on-site, or at an off-site recovery facility, or through inter industry exchange. A number of physical and chemical techniques are available to reclaim a waste material such as reverse osmosis, electrolysis, condensation, electrolytic recovery, filtration, centrifugation etc. For example, a printed- circuit board manufacturer can use electrolytic recovery to reclaim metals from copper and tin-lead plating bath.

VII. GOALS AND OBJECTIVES

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. Scrap Collector (SC) is the India's first Web based Online Portal for door to door Free Scrap Collection and Recycling Service. In this application scrap collector will comes to our lives and collect the scrap. Here we don't have to wait for scrap collector or we don't need to go for sell the scrap. Here scrap collector comes when we call them according to our convenience and collect all the scrap and give money at that time.

Develop A Web Based Application Such That Everybody Can Easily Sell The Scrap.
1) To provide anytime anyplace service for the customer.
2) To reuse cloths, newspapers, electronics waste, furniture waste, Iron waste, waste material by recycling.
3) Reduce human efforts.
4) Save time and energy.
5) Suppose customer have old cloths or books they can give their things to NGO if they wanted to give.
6) To provide anytime anyplace service for the customer.
7) To reuse electronic waste material by recycling or deploy.
8) To decrease the electronic waste material from household.
9) To obtain statistic information about the problems effect by the e-waste material.
10) To provide awareness about electrical and electronic material using for household.

VIII. ACKNOWLEDGMENT

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