

Plastic and E-Waste Management System

Arif Shaikh¹, Sejal Patil², Sayali Jadhav³, Rajashri Khude⁴, Prashant Ghadage⁵, Prof. Y.J.Patil⁶

1 Student, Department of Computer Engineering, Shree Santkrupa Institute of Engineering and Technology, Ghogaon, Maharashtra, India. 2 Student, Department of Computer Engineering, Shree Santkrupa Institute of Engineering and Technology, Ghogaon, Maharashtra, India. 3 Student, Department of Computer Engineering, Shree Santkrupa Institute of Engineering and Technology, Ghogaon, Maharashtra, India. 4 Student, Department of Computer Engineering, Shree Santkrupa Institute of Engineering and Technology, Ghogaon, Maharashtra, India. 5 Student, Department of Computer Engineering, Shree Santkrupa Institute of Engineering and Technology, Ghogaon, Maharashtra, India.

ABSTRACT

Presently, there is rapid growth in waste due to urbanization, industrialization, and population growth. There must be require an appropriate waste management technique for saving the environment and natural resources through proper recycling mechanism. Waste is waste and it must be properly treated regardless of its type like E-waste, solid waste, biomedical waste, etc. We have proposed an online integrated framework to manage the all kinds of waste. The main module of the proposed work is Customer and Organization. In this framework, Zerowaste is acting as a modern way to collect the waste from home by the collector and deposit to the Recycler. This complete process is performed in just one click on Zero waste website that will reduce the processing time, efforts, cost and increase the efficiency of waste management.

Keyword : *e-waste management; environmental sustainability; statistical analysis; extended producer responsibility; empirical study.*

1. TITLE

Plastic and E-waste management system is web-based application so we can conduct the customers waste from home like newspaper, plastic etc. after complete the order we can show points on their profile. Such applications can be extensively used in various places in anywhere. The neighborhood radii business is changing. The monthly haggle for the 'right rate' and the bickering over the 'rigged' weighing scale may soon be a thing of the past. It will help in people those wants the sell their materials on our platform and get-well reward for it, Created an interactive and engaging environment for people

1.1 What is e-waste:

The disposal of electronic waste is hazardous to people and the environment. In addition, it is a significant source of pollution. However, if you recycle electronic waste properly, there will be many benefits.

The disposal of electronic waste can also pose a health risk to humans. Although most electronic wastes can be recycled, only a limited amount of electronic waste can be recycled. Thus, it is necessary to ensure that electronic wastes are recycled appropriately and safely. For instance, certified electronic waste facilities can safely dispose of electronic waste. In addition, the certified electronic waste facilities are equipped with the equipment required to recycle the electronic waste. As a result, the certified electronic waste facilities will reduce pollution in the environment and keep humans safe.

Therefore, you can rest knowing that you safely dispose of electronic waste.

1.2 E-waste generation in India

According to the [Central Pollution Control Board \(CPCB\)](#) , India generated more than 10 lakh tonnes of e-waste in 2019-20, an increase from 7 lakh tonnes in 2017-18. But the e-waste dismantling capacity has not been increased from 7.82 lakh tonnes since 2017-18. In 2018, the Ministry of Environment had told the tribunal that 95% of e-waste in India is recycled by the informal sector and scrap dealers unscientifically dispose of it by burning or dissolving it in acids.

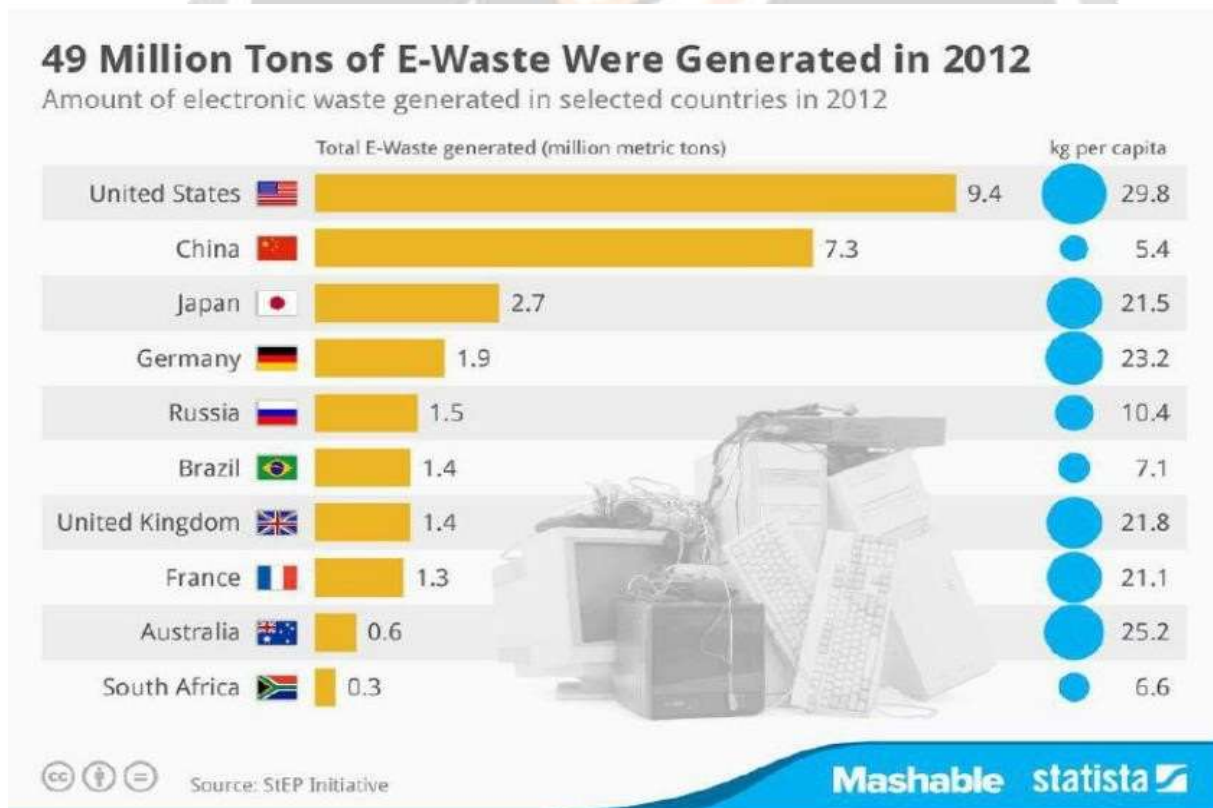
2. Front End & Back End

- Front end Tools:
 - React JS

- Back End Tools:
 - MYSQL
 - Spring Boot

3. TITLE-3

In 2012 the planet produced about 49 million and just 10 percent reused every year of e squander in 2020 the figure is relied upon to ascend to 65 millions tones E-squander is a developing issue. The worldwide dumping of e squander in the nations like of Africa and south east Asia has regularly cleared out the kids and laborers in risky condition and gradually balancing them.



3.1 Sub Title-1

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4. CONCLUSIONS

Main purpose behind development of this project is to make everyone aware about recycling can be made easy and every human should contribute to nature by taking small steps which is very important for the environment. Through this project we learn to reuse, reduce and recycle. Being a responsible citizen, we should play a role in plastic and e-waste management as donating plastic and electronics items for reuse, which extends the lives of valuable products and keep them out of the waste management system for a long time.

5. REFERENCES

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