GARBAGE MANAGEMENT SYSTEM

BATCH&TEAM

Batch No: 5
Team name: G-FORCE
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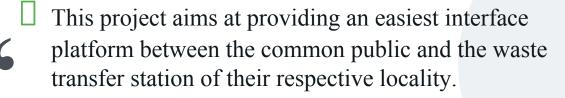**3.Ranjith Kumar (18eucs091)**

PROBLEM DESCRIPTION

The second largest populated country in the world, India faces various hindrances to its development. Solid Garbage Waste Management is of critical concern and needs attention.Many developed countries are searching for ready-made sustainable waste management solutions. Developing countries has typical problem areas such as

- Inadequate reach of public queries to the waste transfer station and

- Inadequate management of non industrial hazardous waste, and Inadequate landfill disposal.

Hence to overcome one of its difficuties we have provided a solution.

ABSTRACT

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- This project aims at providing an easiest interface platform between the common public and the waste transfer station of their respective locality.

- In common times the discripance in reach of queries to the station from the public has impacts such as dumping of the whole garbage waste in the single place which caused a bad odour and health issues.

- In order to overcome this, our garbage management system provides an web based application for the public to submit their queries and request along with the option of picking the time of availability of the sttaion vehicles. Hence it will ay for the station staffs to access the waste without any rushing.
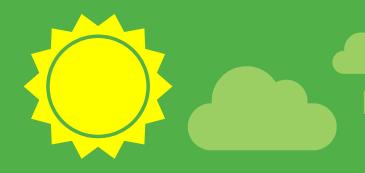
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DOMAIN

Web technology
   ***HTML**
   ***CSS**
   ***PHP**
   ***SQL**
   ***Firebase**

SOFTWARE REQUIREMENTS

- **FRONT END:**

  HTML

  CSS

- **BACK END:**

  PHP

  MYSQL

  FIREBASE

EXISTING SYSTEM

- In existing system the major drawback is inadequate reach of information to the transfer station. the major problems are unscientific treatment, improper collection of waste, and ethical problems. This in turn leads to hazards like environmental degradation, water pollution, soil pollution, and air pollution.

- Existing system has no proper time management.Lack of MSW management and disposal is leading to significant environmental problems, because the station vehicles face huge time issues.

- There is no clear vision on wastes being collected from the respective areas complained by the users.
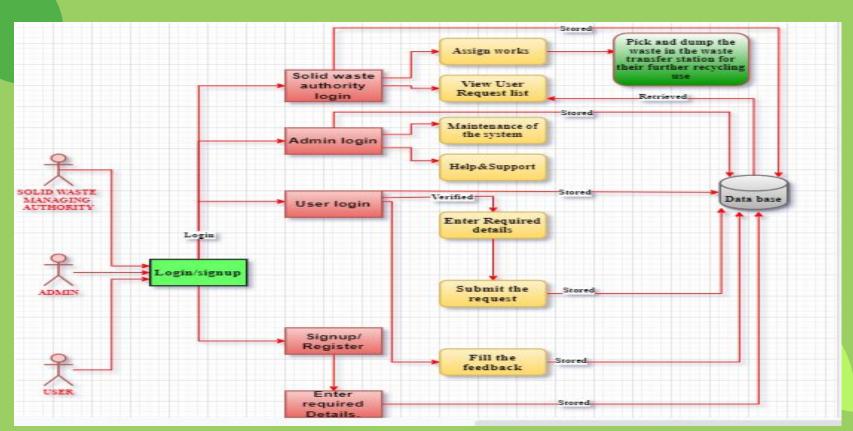
PROPOSED SYSTEM

- In proposed system, User can directly submit his/her querie to the database, which will be furthur retrieved directly by the solid waste managing authority.

- The user can also pick the available time and date so that the station staffs could manage their time easily.

- The major advantage of the proposed system is the reach of query to the waste transfer station from the common public and time management along with sooner garbage disposal.

Perhap's a clean and green environment will be systemized !

ARCHITECTURAL DIAGRAM

IMPLEMENTATION MODULES

- **Admin module**

- **User module**

- **Solid Waste Managing Authority module**

ADMIN MODULE

- Admin module has two main functions maintanence and helping the user in case of difficulties.

- System maintanence will be purely handled by the admin who has saved his/her login info.

- Help&support will be provided by the admin to the user and the solid waste managing authority in case of any discripancies.

- The main motto of the admin is to provide a trouble free platform for the common public and the authority.

USER MODULE

User module has two phases:
- » Login/signup
- » Request Submission

LOGIN/SIGNUP

If the user is new,He/she must signup with providing the necessary details(Name, Mobile Number, area/city name,password and confirm password) to the system.

Once the new user has signed up, he/she can login using the phone number and the password entered during the signup.

After verification of the user's account, He/she will be directed to the homepage where the respective user can enter the Name, Mobile number and location to pick the garbage.

In the homepage along with the above details the user will also have to pick the date and time according to the availability of the waste transfer station vehicle.

 If He/she is an existing user, He/She can login directly by entering the mobile number and the password previously entered.

Once logged in, after the verification of the user's account he/she will be directed to the homepage where the respective user can enter the Name, Mobile number and location to pick the garbage.

In the homepage along with the above details the user will also have to pick the date and time according to the availability of the waste transfer station vehicle.
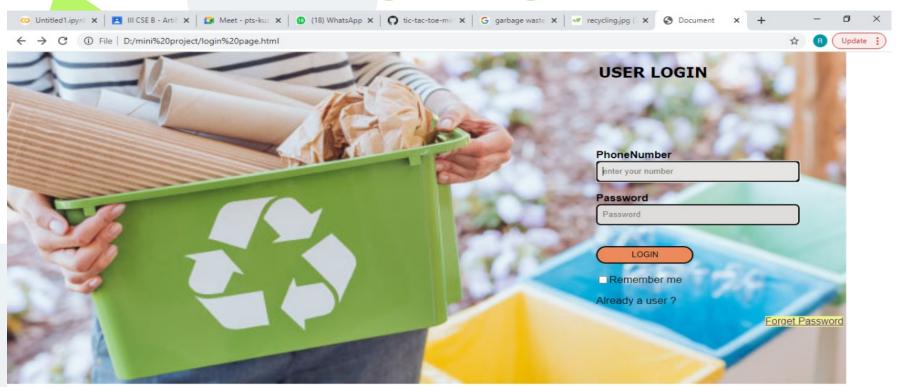
REQUEST SUBMISSION

Once the user has entered the respective details along with picking up the time and date , the user will be provided with the submit box which will directly store the request in the database.

SOLID WASTE MANAGING AUTHORITY MODULE

☐ The solid waste managing authority shall have to signup and login similarly like admin and user. so that the authority will be provided with the id.

☐ After loggig in, he/she will be able to view the retrieved list of user request from the database.

☐ According to the scheduled time, he/she can make the further processes such as assigning the waste transfer staffs and vehicles for picking up the waste from the desired destination.
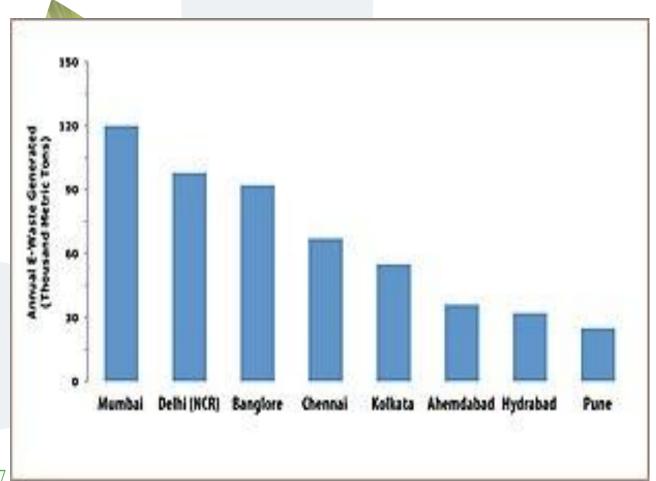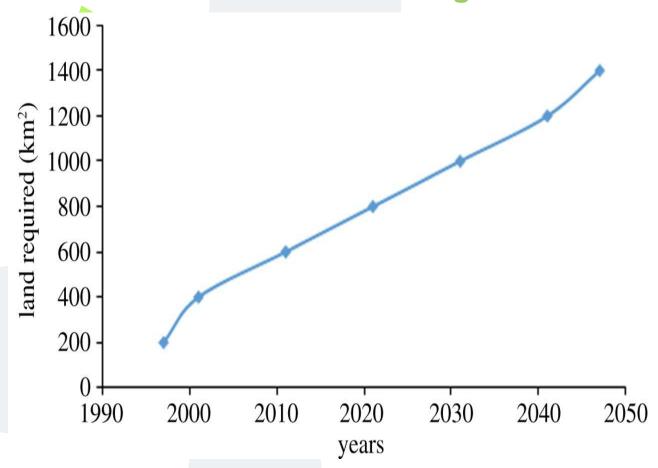
Login page

STATISTICS

Waste production in India

waste management in India

This graph shows the increasing requirement of the land needed as a necessity for waste garbage disposals.

2.01 Billion tonnes

Total amount of World Waste produced

277 Million tonnes

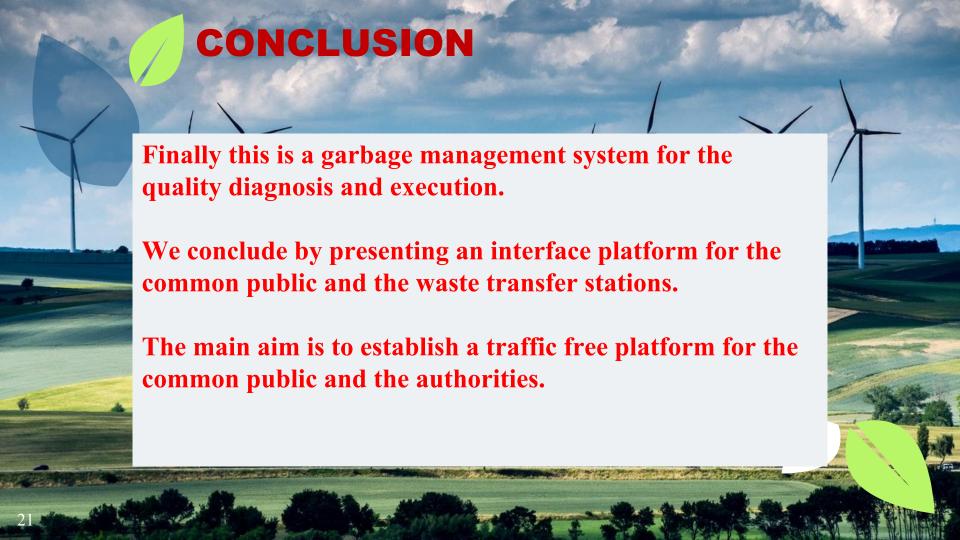Total amount of Waste produced in India.

181,856.699 Metric tonnes

Total amount of Waste produced by Tamilnadu.

IN TAMIL NADU

At present, around 181,856.699 Metric tonnes of hazardous wastes are generated in the State of which nearly42,916.982 Metric tonnes are recyclable, 128,984.214 Metric tonnes are disposable and 10,072.612 Metric tonnes is incinerable waste

CONCLUSION

Finally this is a garbage management system for the quality diagnosis and execution.

We conclude by presenting an interface platform for the common public and the waste transfer stations.

The main aim is to establish a traffic free platform for the common public and the authorities.

Thanks!