**PROJECT DOCUMENTATION**

**GAUTHAM BUDDHA UNIVERSITY**

**GREATER NOIDA, UTTAR PRADESH-201312**

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**PROBLEM STATEMENT**

Every year 1.3 billion tons of food is wasted globally which causes $750 billion worth economic losses and a colossal damage to the environment. Wastage of food at such a massive scale is a result of negligence on the part of individuals, society, nation, and the world in countries like India millions are still sleeping Hungry According to the National Health Survey, 190 million people in India go to bed hungry every night. Because of this there is no shortage of food, but its wastage. 40 percent of the country's food production is wasted every year. India ranked 2nd in the world in Food Waste by Country 2022**.**

**REQUIREMENTS**

HARDWARE REQUIREMENT

Processor: 11th Gen Intel(R) Core (TM) i5-1135G7 @ 2.40GHz 2.42 GHz

RAM: 2056MB

System type 32-bit operating system, x32-based processor

SOFTWARE REQUIREMENT

Visual studio code

**TECHNOLOGIES USED**

languages framework

frontend- html, CSS, JavaScript, Bootstrap

#### PROJECT DESCRIPTION

We came up with a very abstract idea of creating a website project to collect food in bulk from people and from a hotel, restaurant, marriage function and various other communities and provide food to people in need.

The home page of this website is extremely user friendly the user can easily see what the user wants to do we have also added a donation section where people can donate money to us which will be used to help those in need

We aim to reduce food wastage at each stage of the food supply chain with a strong focus on donation and distribution of food to any corner of India.

**WORKING**

This web-based food waste management includes four modules such as Admin, Donor, NGO and Logistics (delivery system). Each module includes registration and login to the website. Donor and NGO registrations will be verified by the admin to avoid the scam or fake requests or fake supplies. After verification, both will raise a request for donation and need. Admin can view the requests and supplies and make them communicate by exchanging the details based on the availability, type and quantity of food from the Donor to the NGOs. NGOs can view the restaurants' history and send the request to the restaurants if they need to manage their excess/leftover food.

#### SCOPE

Food Waste management is an emerging innovating industry that has a lot of potential to gain revenue. In 2022, the food waste management industry is expected to be worth $62.6 billion. According to Future Market Insights (FMI), the total market value is estimated to reach US$ 116.4 bill by 2032.

The sharp increase in huge amount of wastage of food makes the need for donation of food. In highly populated country like India, food wastage is a big problem. Waste food is major issues that food shortage, we can see than many people throw foods in dustbin even the food eatable condition. This issue is not only wastage food even wastage of money also. It causes many environment problems such as pollution, causing global warming and climate change. Food wastage is not only a sign of pollution or hunger, but also of many economic problems.

**CHALLENGES FACED**

Throughout making of the project we face many challenges like difficulty in managing CSS, interlinking the pages with each other, errors in taking inputs from the users, links not properly working, but we have managed to fix all the bugs and errors coming in the making of the project. Image positioning and some small miss-positioning of elements.

#### CONCLUSION

Our study has look into the problem of food waste that has many serious side effects economically and socially. However, the waste of the food can be prevented or at lowest decreased using technology. Web application technology is helpful for food waste management. The web objective to encourage better food management. Our proposed solution should reduce food waste by facilitating food sharing in group using web technology. This work is a first step towards design a better system to reduce daily food waste.