# FOOD WASTAGE REDUCTION THROUGH DONATION

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**Abstract**— The Project Entitled As "FOOD WASTAGE REDUCTION THROUGH DONATION APPLICATION" Is a Study Of cross platform mobile application, developed to prevent food insecurity, a lack of access to healthy and affordable food. The donor can be either individual, or from hotels and function halls. The donation recipient can be either from orphanages, old homes, shelters, etc. The purpose of this application is to connect the users without any intermediary service. The focus of the project is to develop an android application that uses data analysis to visualize the impact of excess food, thus reducing food wastage. People donate food manually by visiting each organization number of times so as to scale back the issues of food wastage where as there are websites that have taken efforts to help people donate food. It shows the potential for avoiding the wastage of food. The users need to register into the application and can offer or request for donation. The notification will be sent to the other and they can either accept or deny the service given. This can be tracked by the participants to ensure the food delivery. This way the app helps the needy and averts food wastage and hunger.

*Keywords—Android Application, Food wastage, Food Donation, Food Wastage Reduction.*

## I INTRODUCTION

Highly populated & developing countries like India, food wastage is a disturbing issue Food donation is a cross-platform mobile application developed to prevent food insecurity, a lack of access to healthy and affordable food. The product is an internet-based android application that basically aims at charity through donations.. The streets and garbage bins have abundant proof to prove it. This application acts as a bridge between the donors and donation recipients. Instead of wasting this stuff we will put them in use by donating them to varied organizations like orphanages, adulthood homes, college canteens etc. This system will assistance can directly contact restaurants who have food remaining and report generation which can show what proportion food is donated by which restaurant and providing reward points for them.

The donor can be either individual, or from hotels and function halls. The donation recipient can be either from orphanages, old homes, shelters, etc. The users need to register into the application and can generate donation or food request. The notification will be sent to the other and

one can either accept or deny the service offered. . In the same way, seekers can view the list of items put up by donors and if required, can claim the donated item by contacting the donor.

## II SYSTEM ANALYSIS

System study is a study of processing data in the system by the software. Analysis is a detailed study of various operations of its modules performed by the system and their relationship within and outside the system. During analysis, data are collected in available files. The system analysis helps us to create new system or improve existing system. It is also a systematic investigation of a real and planned system to determine the function of the system and how they relate each other and to other system.
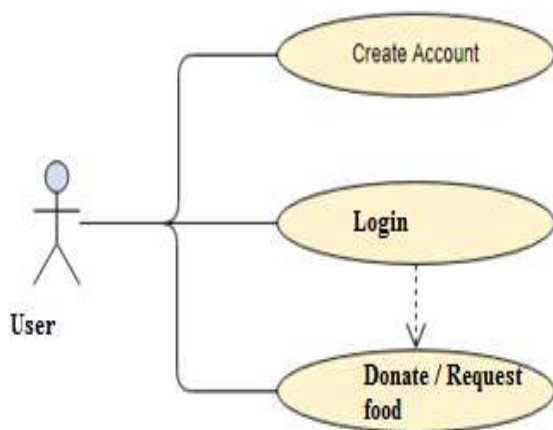
## LITERATURE SURVEY

A new internet-based application that gives a platform for donating old stuff and leftover food to all or any needy people/organizations. It provides information about the motivation to return up with such an application, thereby describing the prevailing donation system and the way the proposed product works for the betterment of society. The recent depression has increased the amount of individuals living in conditions of food poverty, especially in developed regions. At the client side App provide facility to donate food to the charity for the assistance of hungry people.

## III EXISTING SYSTEM

At present, the requirement of the system is done using websites which are not accessible quicker and provide no awareness about the service to the world. There is no real interaction between the donor and recipient since everything disclosed by intermediates. Another reason includes there is no active mobile application available in locality.

## IV PROPOSED SYSTEM

The proposed application is android-based, developed on Android Studio version 2.0 using java and xml requires internet connection and will provide a platform for donors and seekers. The user interface of this system are going to be simple and user-friendly, and therefore the targeted system is android.

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Donating the excess food: After successfully logging in, the user has to choose whether he chooses to donate or claim the excess food. If he chooses to donate the excess food, he has to enter the following details (name of the food, quantity of the food, location of its availability and also the user's contact number).

## V CONCLUSIONS

Thus it is better understood how the proposed system is better than the existing system. The excess food produced in functions gatherings are often easily donated. Visualization of the impact of donation has a positive impact on the users. An effort focused on feeding the hunger and minimizing food Wastage at the same time.

It will be compatible to everyone. In existing system there are many websites available which has an intermediary person between donor and recipient. Using this application the donor and recipient can connect directly, donor need to send a request to the recipient if they accept, food will be sent to them, and to avoid food scarcity the application is developed.

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