

Title of the Project : Food Wastage Reduction by Donation to Charity

Institutions

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ABSTRACT

A generous mobile application to alleviate the burden of innocent people, who need food to survive. At the same time, the application also helps to reduce the problem of food waste. Although there are a few mobile applications for help, none of them provide communication between the needy, donors, and food suppliers to solve the food wastage problem. This app provides comparative research between many charitable applications that help the community, defines the app limit, and introduces a mobile charity app.

The results of the feasibility study showed that the system is easy to use and is able to reduce 49% of food waste in the selected testing area. The program will create a standard working portal for hotels/restaurants and charities. The charity can directly contact restaurants with leftover food and a report will be generated that will show how much food is being served by which restaurant and give them reward points. Administrator, Third-party, and premium user are advanced modules. Food Donor can be any organization, institution, or college that wants to donate food and make a new food donation request. Food recipients can be any food aid company looking for food.

A new food donation request will be created on the portal and once the application has approved the request, a notice will be sent to the third-party responsible for delivering the food from the food supplier to the food recipient. Premium users are the ones who donate food on an everyday basis.