School of Computer Science, Engineering and Application
BCA Third Year Semester-V (Batch2021)

Synopsis

Title of Project: Food Donation App

1.1 Background / INTRODUCTION of the Proposed System

A single restaurant wastes about 1000 pounds of food in a month. Restaurants, caterers, corporate dining rooms, hotels, and other food establishments promptly distribute perishable and prepared foods to hungry people in their communities. In this system hotels can provide food to NGO's by requesting them. NGO's can also request hotels when they feel shortage of food. No food waste is the mission of this system.

1.2 Problem Definition & Existing System

Problem with current scenario

• NGO are non-profit making agencies that are constituted with a vision by a group of like-minded people, committed for the uplift of the poor, marginalized, unprivileged, underprivileged, impoverished, downtrodden and the needy and they are closer and accessible to the target groups.

• Food surplus and shortage usually exist within a few miles of each other.

• Increasing in populations led to food crisis, there are many people in NGO's and it become difficult to have food storage for all the time.

Drawbacks of the existing system

• Maintenance of the system is very difficult.

• There is a possibility for getting inaccurate results.

• User friendliness is very less.

• It consumes more time for processing the task.

1.3 Objectives

Many people face starving because of food shortage. Food shortages in developing countries are common. The people most affected are smallholder. There are several ways and means to help the needy but nothing works better than making a contribution to an organization dedicated to helping poor communities to battle against poverty.

1.4 Purpose

Food is precious for everyone and due to poverty, there are cases where they couldn't eat for one time in whole day. On the other side people are wasting food unknowingly at many places like houses, restaurant, etc. To overcome this problem instead pf wasting food we can directly handover to the poor people.

1.5 Scope

People living in NGO also faces food shortage issues. This application can help needy people to eat food. With help of this application restaurant can serve food to many people. NGO's can also contact restaurants for providing food in shortage of food. This can feed many poor and needy people.

1.6 Applicability

- Food Donor gets self-satisfied that his/her food fed to poor persons by the photo uploaded into the app once food gets donated.

- Decreases the Global Hunger Rate

- Food will not get wasted unnecessarily

- Contamination of food gets decreased

1.7 Feasibility Study

Technical Feasibility

- All necessary technology exists to develop the system.
- This system is too flexible and it can be expanded further.

- This system can give guarantees of accuracy, ease of use, reliability and the data security.
- This system can give instant response to inquire.

Economic Feasibility

- The cost to conduct a full system investigation.
- The cost of h/w and s/w for the class of application being considered.
- The development tool.
- The cost of maintenance etc...

Operational Feasibility

- The methods of processing and presentation are completely accepted by the clients since they can meet all user requirements.
- The clients have been involved in the planning and development of the system.
- The proposed system will not cause any problem under any circumstances.

1.8 Planning and Scheduling

It is simply a connection establishment between the Food Donors be it Houses, Restaurants and places where Functions happens and the Volunteers. This is an Android Application which becomes handy to the Donors as well as the Volunteers to easily interact with the app. To provide a seamless experience to the Donor, the UI is designed in such a way that it nearly takes just *60 seconds* to place a Food Donation in the app.

Since food is perishable, we have also asked some questions to Donor about the approximate time when food is prepared and it is proven that Food is not good for consumption once it crosses the time period of 6 Hours, along with we have asked the Donor to give information about the approximate quantity that the food gets sufficient in quantity of persons. Once the Volunteer has delivered the food to poor, a picture of proof will be uploaded to the app which counts as a successful donation to the Volunteer.

1.9 Software and Hardware Requirements

Software Requirement:

1. **Laptop or PC**

   ➢ **Windows 7 or higher.**

> ➢ **Java**

> ➢ **Android Studio**

2. Android Phone or Tablet

> ➢ **Android v5.0 or Higher**

Hardware Requirement:

1. Laptop or PC

> ➢ **i3 Processor Based Computer or higher**

> ➢ **1GB RAM**

> ➢ **5 GB Hard Disk**

2. Android Phone or Tablet

> ➢ **1.2 Quad core Processor or higher**

> ➢ **1 GB RAM**