**CHAPTER 1**

**INTRODUCTION**

* 1. **Background**

Nothing brings people together like a generous spread of delicious food. It’s the universal unifier. Food serves as a cultural marker, attends every milestone and celebration, and can be dressed up or down. Food is where the heart is. Below you’ll find a collection of wise, inspirational and humorous food quotes, sayings and proverbs. Food is any substance consumed to provide nutritional support for an organism. Food waste is the disrespectful on so many levels to hungry, to the people that spends their times cooking, to our natural resource, yet it is a practice that is generally and accepted and makes fighting it so challenging.

Food rescue, also called food recovery or food salvage, is the practice of gleaning edible food that would otherwise go to waste from places such as restaurants, grocery stores, produce markets, or dining facilities and distributing it to local emergency food programs. At glance, food waste doesn’t seem like a big problem. However, if we look deep into it, food waste has caused some serious damages. The number of food waste has increased quite significantly since 1976. In the world, 13 billion of food go to waste each year. Meanwhile, in the US, 40% of food produced never gets eaten, meaning that 165 billion dollars’ worth of food is thrown away every year. It could fill 730 football stadiums every year! Seeing how many people in the world, or even within a particular country, live in hunger and malnutrition, this situation is inequitable. Within this, there are many disadvantages of food waste, this article with cover some of those including, environmental issues, morally unacceptable in the case of fighting hunger, and the way of labor, time, as well as natural resources.

Food for Needy is a platform to fill the appetite for hunger people. It is a website to resolve the wastage of food in a useful way. Every day the people are wasting lots of foods. Internet has become an ocean of information related to every aspect, which is extensive in the world. The main purpose of this website is to fill the hungry stomach. This website will act as an active platform where many restaurants, grocery stores, produce markets etc. will update the information of excess food to the website and thereby many food organizations and individuals will come to know about the availability of food through this website and hence, making all stomach happy.

**1.2 Motivation**

Food for Needy is a website, that we are passionate about our mission to help reduce hunger and food waste and so we choose this project. By seeing the present scenario of Nepal and the latest news posted by “THE KATHMANDU POST” [Nov-12-2019]. Currently the world is entangled in complex web of food insecurity which is leading to consequences like hunger, malnutrition, death, conflict, and many more.

Since the food production system is not efficient in Nepal, where only 25% of land has irrigation. Hence through this project we are trying to give a contribution to this global issue.

**1.3 Statements of Problems**

Through this project, we are trying to provide food recovery ways, that can eliminate hunger and food waste.

Previously in many projects, a proper bridge was not established between the needy people and the excess food by restaurants, grocery stores, produce markets etc. The previous projects lacked proper display of the category of food item, cook time that were updated by the restaurants, grocery stores, produce markets etc.

**1.4 Objectives**

The main objective of this project is to provide free food for all the needy people, through organization in collaboration with this website

**1.5 Scope**

The scope of this project is to host in web. The project will be designed inconsideration for the needy people. It will be very easy, reliable and effective way to feed the hungry stomach.

**CHAPTER 2**

**LITERATURE REVIEW**

In the existing system of Nepal if anyone have extra food because of any functions or extra food in the restaurants will become waste because instantly there is no way to share with anyone if they are having lots of food. Even if they want to give that extra food to any orphanage or poor people, they don’t have time or don’t have any idea about that.

We have referred some other website and they were having the problem in maintaining the quantity of the food, the details of cooked time and expiry details of the food.Thus, our purposed system maintains the details of the above problems. [1]

The other websites were not having the waste\_food\_id and the user\_id. This project will be made in consideration to the above problem. There was no categorization of foods.[2]

**CHAPTER 3**

**PROJECT MANAGEMENT**

**3.1 Team Members:**

For this project we have a group of four members:

1. Niru Kumari Mishra (740325)

2. Rabin Phaiju (740329)

3. Rodip Duwal (740334)

4. Roshan Dumaru (740335)

**3.2 Work break down structure**

The four group members will work on the different modules. During work, each member will communicate with each other so that no problem arises in the future. After the completion of the modules, we will combine all the modules to develop a single program.

Table 3.1 Grantt Chart for Completion of Program

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.  N | Week Job  Description | 1st  Week | 2nd  Week | 3rd  Week | 4th  Week | 5th  Week | 6th  Week | 7th  Week | 8th  Week |
| 1. | Problem  Identification |  |  |  |  |  |  |  |  |
| 2. | Analysis |  |  |  |  |  |  |  |  |
| 3. | Design |  |  |  |  |  |  |  |  |
| 4. | Coding |  |  |  |  |  |  |  |  |
| 5. | Implementation  and testing |  |  |  |  |  |  |  |  |
| 6. | Documentation |  |  |  |  |  |  |  |  |

**CHAPTER 4**

**METHODOLOGY**

**4.1 Background**

Food for Needy is web-based online platform to feed the needy people. This project is used to manage wastage of food in useful way. Every day the people are wasting lots of foods. So, we have to reduce the wastage of food problem through online If anyone have the wastage foods, they can enter the food quantity details and their address in the website and then admin can maintain the details of the food donators.

The donator can create an account and whenever they are having the wastage of food, they can login and give request to the admin. And the admin also maintains the details of all the donators and the food organizations who are going to feed the needy with the help of our website.

This project is food redistribution is an enormously successful social innovation that tackles food waste and food poverty.

**4.2 Tools and Platform**

This project will be web-based by using PHP, MYSQL and JS. We will collect first hand and second hand information regarding the system. We will also gather the information online to make this system to meet the expected result.

**4.3 Generic Model**

Login

Provider

Receiver

Closing Time

quantity

Cooked Time

Type of item

Receiving time

Maintain the record of food received

fig.4.1 Generic Model of “Food for Needy”

**4.4 E-R Diagram**

M

1

Receiver

Provider

Foods

provide

Receive

M

M

M

Has

LOG-IN

fig.4.2 E-R Diagram of “Food for Needy”

**CHAPTER 5**

**EXPECTED RESULTS**

This project will make our effort to achieve its objectives. This project will be providing an organized and systematic display of products. It will be one of the most reliable and effective ways for providing the Food for Needy people through this website and receive waste foods from other parties.

**CHAPTER 6**

**REFERENCES**

[1] www.groliste.com/groliste.com [11/12/2019]

[2] www.foodtank.com/about.html [11/13/2019]