

PROGRAM BOOK FOR COMMUNITY SERVICE PROJECT

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NAME OF THE COLLEGE : GODAVARI INSTITUTE OF ENGINEERING AND
TECHNOLOGY (AUTONOMOUS)

REGISTRATION NUMBERS : 21551A4633, 21551A4608, 21551A4615, 21551A4632

PERIOD OF CSOP : 180 hours FROM: 01-09-2022 TO: 21-12-2022

**NAME AND ADDRESS OF
COMMUNITY/ HABITATION** : RAJAHMUNDRY

FOOD WASTAGE REDUCTION THROUGH MOBILE APPLICATION

A REPORT ON COMMUNITY SERVICE ORIENTED PROJECT

Submitted in partial fulfilment of the requirements

For the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE ENGINEERING(AIML&CS)

Submitted by

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Under the Supervision of
Mrs.N.Madhuri
Assistant Professor



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING(AIML&CS)

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

CHAITANYA KNOWLEDGE CITY, NH-16, RAJAHMUNDRY, AP, INDIA

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, A.P

COMMUNITY SERVICE PROJECT REPORT

Submitted in accordance with the requirement for the degree of B.Tech CSE(CS)

Name of the College: GODAVARI INSTITUTE OF ENGINEERING OF
TECHNOLOGY (AUTONOMOUS)

Department: COMPUTER SCIENCE AND ENGINEERING(AIML&CS)

Name of the Faculty Guide: Mrs.N.Madhuri

Duration of the CSP: 180 Hours From 01-09-2022 To 21-12-2022

Name of the Students: SK.SHAHEED, P.LOHITH KUMAR
CH.HARISH SAI, K.VENKANNA BABU

Programme of Study: B.Tech CSE(CS)

Year of Study: II-I (2022-2023)

Register Number: 21551A4633, 21551A4608, 21551A4615, 21551A4632

Date of Submission: 31-12-2022

DECLARATION BY THE CANDIDATES

We the undersigned solemnly declare that the Community Service Oriented project report **FOOD WASTAGE REDUCTION THROUGH MOBILE APPLICATION** Is based on my own work carried out during the course of our study under the supervision of **Mrs. N. Madhuri, Assistant Professor, CSC Dept.**

We assert the statements made and conclusions drawn are an outcome of my research work. I further certify that

(i) The work contained in the report is original and has been done by me under the general supervision of my supervisor.

(ii) The work has not been submitted to any other Institution for any other degree/ diploma/ certificate in this university or any other University of India or abroad.

(iii) We have followed the guidelines provided by the university in writing the report.

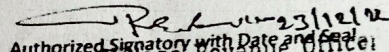
(iv) Whenever we have used materials (data, theoretical analysis, and text) from other sources, we have given due credit to them in the text of the report and giving their details in the references.

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CERTIFICATE FROM OFFICIAL OF THE COMMUNITY

This is to certify that Mr./ Ms. SK. shabeed (Name of the Community Service Volunteer) Reg. No. 24551A4633 of Godavari Inst of Engg & Tech (Name of the College) underwent community service in Rajahmundry (Name of the Community) from 01-09-2022 to 21-12-2022. The overall performance of the Community Service Volunteer during his/her community service is found to be Satisfactory (Satisfactory/Good). ^{only for certificate} Godavari Inst of Engg & Tech Purpose of Community Service Project :- food wastage.

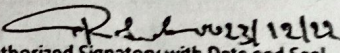
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Authorized Signatory with Date and Seal
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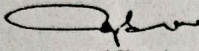
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Date


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This is to certify that Mr./ Ms. CH. Harish Sai (Name of the Community Service Volunteer) Reg. No 21551A4615 of Godavari Inst of Engg & Tech (Name of the College) underwent community service in Rajahmundry (Name of the Community) from 01-09-2022 to 21-12-2022. The overall performance of the Community Service Volunteer during his/her community service is found to be Satisfactory (Satisfactory/Good). ^{only for certificate} Godavari Inst of Engg & Tech Project for Purpose of community service project :- food wastage

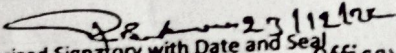
Place: Rajahmundry
Date:


23/12/22
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This is to certify that Mr./ Ms. K. Venkanna Babu (Name of the Community Service Volunteer) Reg. No. 21551A4632 of Godavari Inst of Eng & Tech (Name of the College) underwent community service in Rajahmundry (Name of the Community) from 01-09-2022 to 21-12-2022. The overall performance of the Community Service Volunteer during his/her community service is found to be Satisfactory (Satisfactory/Good). Godavari Inst of Eng & Tech Purpose of Community Service - Project only Certificate + Foodwastage

Place: Rajahmundry
Date:


Authorized Signatory with Date and Seal
Village Revenue Officer
RAJAHMUNDRY URBAN

**GODAVARI INSTITUTE OF ENGINEERING &
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CERTIFICATE

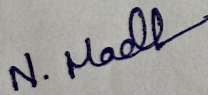
Rajahmundry

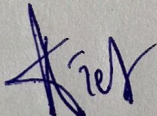
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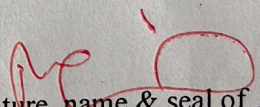
This is to certify that **SK. SHAHEED, P. LOHITH KUMAR, CH. HARISH SAI, K.VENKANNA BABU** underwent community service in **Rajahmundry** from **01-09-2022** to **21-12-2022** in partial fulfilment of the requirement of their **B.Tech** in Computer Science and Engineering(CS) 3 semester courses of study in GIET(A).

He/she did the above community service project under the supervision of the project mentor during the above said period and submitted a project report. A viva voice on the project was conducted on 03-01-2023 by the project review committee.

The overall performance of the Community Service Volunteer during his community service is found to be Good (Satisfactory/ Good)


Signature & name of
PRC member-Mentor


Signature & name of
PRC member


Signature, name & seal of
PRC member-HOD
Dr. R. TAMILKODI
HOD-CSE (AIML&CS) GIET (A)

**GODAVARI INSTITUTE OF ENGINEERING &
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Chaitanya Knowledge City, NH-16, Rajahmundry – 533296

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING(AIML&CS)



BONAFIDE CERTIFICATE

Certified that this project report “**FOOD WASTAGE REDUCTION THROUGH MOBILE APPLICATION**” is the bonafide work of SK.Shaheed(21551A4633), P. Lohith Kumar(21551A5608), CH.Harish Sai (21551A4615), K. Venkanna Babu(21551A4632) who carried out the Community Service Oriented project work under my supervision during the academic year 2021-2022 towards partial fulfilment of the requirements of the degree of Bachelor of Technology in Computer Science and Engineering(AI&ML) as per the regulations of Godavari Institute of Engineering and Technology(A), Rajahmundry, A.P, Affiliated to the JNTUK, Kakinada.

N. Madh
Signature of GUIDE

Mrs. N. Madhuri
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Asst .professor,CSE(AIML&CS)
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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

CERTIFICATE OF AUTHENTICATION

We solemnly declare that this Community Service Oriented project report “**FOOD WASTAGE REDUCTION THROUGH MOBILE APPLICATION**” is the bonafide work done purely done **SK.SHAHEED, P.LOHITH KUMAR, CH. HARISH SAI, K.VENKANNA BABU** carried out under the supervision of **Mrs. N. Madhuri (Assistant Professor)** towards partial fulfilment of the requirements of the degree of Bachelor of Technology in Computer Science Engineering as administered under the Regulations of Godavari Institute of Engineering & Technology, Rajahmundry, AP, India and award of the Degree from Jawaharlal Nehru Technological University, Kakinada during the year 2022-2023.

We also declare that no part of this document has been taken up verbatim from any source without permission from the author(s)/ publisher(s).

It is further certified that this work has not been submitted, either in part or in full, to any other department of the Jawaharlal Nehru Technological University Kakinada, or any other University, institution or elsewhere, in India or abroad or for publication in any form.

Submitted by

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ACKNOWLEDGEMENT

We are grateful to our guide **Mrs.N.Madhuri** for having given us the opportunity to carry out this Community Service Oriented project work. We take this opportunity to express our profound and whole heartful thanks to our guide, who with his patience support and sincere guidance helped us in successful completion of the Community Service Oriented project. We are grateful to our **CSC department staff** for their innovative ideas, valuable suggestions and guidance during the entire period of our Community Service Oriented project work and without his unfathomable energy and enthusiasm, this Community Service Oriented project would not have been completed.

We would like to thank **Dr.R.TAMILKODI**, Professor and Head of the Department, for this constructive criticism throughout our Community Service Oriented project.

We would like to express our deep sense of gratitude to **Dr.N. LEELAVATHY**, vice principal academics and **Dr. P.M.M.S SARMA**, principal for GIET (A) for their direct help during the Community Service Oriented project work.

We would also like to thank all the faculty members and non-teaching staff of the department of Computer Science and Engineering, GIET (A) for their direct and indirect help during the Community Service Oriented project work.

We own our special thanks to the **MANAGEMENT** of our college for providing necessary arrangements to carry out this Community Service Oriented project.

The euphoria and satisfaction of completing this Community Service Oriented project will not be completed until we thank all the people who have helped us in the successful completion of this enthusiastic task. Lastly, we thank our parents for their ever-kind blessings

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WEEKLY REPORT
ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In Charge Signature
Day - 1 01-09-2022	Today we visited local house holds and we spread awareness on food wastage.	They learned about the value of food.	<i>Madh</i>
Day - 2 02-09-2022	Today we went to local tiffin hotels, and we said about the importance of food.	The workers of that tiffin hotels learned to donate excess food to charities.	<i>Madh</i>
Day - 3 03-09-2022	We went to local residencies we thought them to buy limited number of vegetables for cooking.	The families learned buying limited number of vegetables so that can prevent spoiling of the food.	<i>Madh</i>
Day - 4 04-09-2022	On this day we have given a brief awareness to students of class 6 on food wastage.	They learn to eat their whole lunch without throwing it away.	<i>Madh</i>
Day - 5 05-09-2022	This day we again visited the same school, but we went to another class we guided them on maintaining a healthy diet.	Students pays interest in maintaining balanced diet.	<i>Madh</i>
Day - 6 06-09-2022	Today, we again visited same class they asked us many doubts and we clarified their doubts.	Students who are in confusion to select a Perfect balanced diet, they got a clear idea on choosing a healthy diet.	<i>Madh</i>

Student Self-Evaluation for the Community Service Project

WEEK – (From Dt 01-09-2022 to Dt 06-0-2022)

Objective of the Activity Done: To Conduct Survey and give Awareness

Detailed Report:

Households who don't have a particular idea on how to save food from being spoiled and who are in a lot of confusion like the hotel staff, they got a particular idea on food wastage management.

Madh

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In Charge Signature
Day - 1 07-09-2022	Today we went to local school to spread awareness on food wastage.	Students learned the value of food.	<i>Madh</i>
Day - 2 08-09-2022	Again, on this day we went to the same school to conduct the survey on food wastage.	We got permission to conduct survey in the school.	<i>Madh</i>
Day - 3 09-09-2022	Today we have conducted a small survey in the school. We interacted with the faculty and the school staff about the food wastage.	The faculties and the students gave feedback on our survey in the school.	<i>Madh</i>
Day - 4 10-09-2022	Today we visited class 8 and we guided them on food wastage.	Students of Class 8 have got a brief idea on the food wastage.	<i>Madh</i>
Day - 5 11-09-2022	On this day went to local street food centres and spread awareness to them.	They go to know our point of view.	<i>Madh</i>
Day -6 12-09-2022	Today, we visited the students of class 10	Students of Class 10 shared their point of view on our speech.	<i>Madh</i>

WEEK – (From Dt 08-09-2022 to Dt 12-09-2022)

Objective of the Activity Done: To Conduct Survey and give Awareness

Detailed Report:

Students of Class 10 have gotten a full clarity on how to save the food from being wasted. They showed interest on our survey and wanted to participate on our survey.

Madd

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In Charge Signature
Day - 1 13-09-2022	Today, we interacted with the students of class 4,5,6 and being surveyed about how they are being taught on food wastage.	Students of Class 4,5,6 have gotten a brief idea on various ways to protect food from being wasted.	<i>Madh</i>
Day - 2 16-09-2022	Today, our team went to the students of Class 8 and have given them a detailed demonstration on the topic of food wastage.	Students of Class 8 have gotten a clarity about on how conserve food.	<i>Madh</i>
Day - 3 17-09-2022	Today we interacted with local households, and we thought them on how to manage food from being wasted.	They showed interest on our survey, survey done.	<i>Madh</i>
Day - 4 22-09-2022	Today we visited the people in Rajahmundry and shared our speech to them.	The locals understood our point of view.	<i>Madh</i>
Day - 5 23-09-2022	Today we have interacted with the little children of classes 1,2,3 and we guided them on food wastage.	Survey done.	<i>Madh</i>
Day -6 24-09-2022	On this day we visited local aunties and uncles we shared a brief acknowledgement on food wastage to them.	Survey done.	<i>Madh</i>

WEEK – (From Dt 13-09-2022 to Dt 24-09-2022)

Objective of the Activity Done: To Conduct Survey and give Awareness

Detailed Report:

Students of Class 4,5,6,8 and 10 have gotten a brief idea on food wastage and we thought them the value of food. They also showed their gratitude on the basis of food wastage.

Maell

ACTIVITY LOG FOR THE FOURTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In Charge Signature
Day - 1 05-09-2022	We went to the nearby restaurants we conducted a survey on food wastage.	Survey Done.	<i>Madd</i>
Day - 2 09-09-2022	Today we conducted a survey for all the workers and co-workers about the advantages we get for saving the food.	Survey Done.	<i>Madd</i>
Day - 3 06-09-2022	Prepared the documentation as per survey conducted for the workers of nearby restaurants.	Documentation done.	<i>Madd</i>
Day - 4 17-09-2022	Prepared report as per survey conducted for the students of Class 7 of ZP High School.	Report prepared.	<i>Madd</i>
Day - 5 18-09-2022	Prepare documentation as per survey conducted for the students of Class 8 of ZP High School.	Documentation prepared.	<i>Madd</i>
Day - 6 19-09-2022	Prepared a report on most chosen way to save the wastage of food.	Report done.	<i>Madd</i>

WEEK – (From Dt 05-09-2022 to Dt 19-09-2022)

Objective of the Activity Done: To Conduct Survey and give Awareness

Detailed Report:

We have interacted with the workers of nearby restaurants and guided them to donate the excess food to charities and not to throw them in the dust bins. They all are agreed with us.

Hadi

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In Charge Signature
Day - 1 05-11-2022	Prepare the documentation as per the survey conducted for the old people in our locality on food wastage.	Documentation prepared.	<i>Madh</i>
Day - 2 11-11-2022	A report is prepared as per the survey conducted for the people in our area.	Report done.	<i>Madh</i>
Day - 3 12-11-2022	Prepared the documentation about the queries answered by the local households on previous day.	Documentation done.	<i>Madh</i>
Day - 4 19-11-2022	Prepared documentation about the facilities provided to the students of Classes 1, 2, 3 in the school canteen.	Documentation prepared.	<i>Madh</i>
Day - 5 25-11-2022	Prepare the report as per the guidelines we have given to the students about the food wastage, and we have observed in the school canteen.	Report done.	<i>Madh</i>
Day - 6 26-11-2022	Prepared a documentation as per the survey done in these 10 days in Rajahmundry.	Documentation prepared.	<i>Madh</i>

WEEK - (From Dt 05-11-2022 to Dt 26-11-2022)

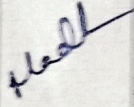
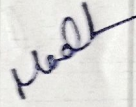
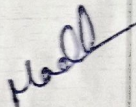
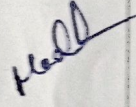
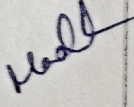
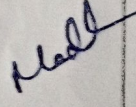
Objective of the Activity Done: Preparation of Report

Detailed Report:

Documentation prepared as per our observation about the facilities provided in the school canteen to the students and faculty.

Madh

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In Charge Signature
Day - 1 03-12-2022	Prepare the documentation as per the survey conducted for the local households.	Documentation done.	
Day - 2 09-12-2022	Prepared a detailed report as per the survey, conducted for local fast-food centres and hotels about the food wastage.	Report done.	
Day - 3 10-12-2022	A report is prepared as per the survey conducted for the students and local households on the food wastage.	Report prepared	
Day - 4 16-12-2022	Prepared a documentation as per the survey done in these in local school	Documentation prepared.	
Day - 5 17-12-2022	Went to municipal office to get the signatures of the officials of the community.	We obtained the signatures.	
Day - 6 21-12-2022	Modified the changes in our report and prepared the final documentation of our mini project.	Project final report prepared.	

WEEK – (From Dt 03-12-2022 to Dt 21-12-2022)

Objective of the Activity Done: Preparation of report

Detailed Report:

Documentation prepared as per our observation about the left-over food in the hotels in mid night that they can donate it After the closing of the hotel. I am prepared to final report of our project and obtain signatures from the officials of the municipal office.

Handwritten signature

ABSTRACT

This project is used to manage wastage foods in a useful way. Every day the people are wasting lots of foods. So we have to reduce that food wastage problem through online. If anyone has wastage foods, they are entering their food quantity details and their address in that application and then the admin maintains the details of food donator. The donator can create the account and whenever they are having wastage food, they can login and give request to the admin. And the admin also maintains the buyer (orphanage, poor people...) details too. After the admin view the donator request and give the alert message like time to come and collect the food. And the admin collects foods from donator through their nearby agent then provide to nearest orphanages or poor people. After receiving the food from the agent by admin and give alert message to that donator. If the donator needs any detail about the orphanage with helping thought, they can give request to the admin and collect the orphanage details. This project is food redistribution is an enormously successful social innovation that tackles food waste and food poverty. The user's details are maintained confidential because it maintains a separate account for each user.

In current era food wastage is being a real issue, on daily basis food is wasted in different places like restaurants, weddings, schools/college canteens, social events and other events. According to a report, 40% of food is wasted in India on daily basis during different events and weddings. People usually donate food manually to organization working on such purpose or to people who are in need to reduce the food wastage. This application provides a portal for restaurants to donate the leftover food to organization/ NGOs so that they can avoid food wastage. In this application there is an option to order food from restaurants according to your desired budget to donate the food. The admin module has access to modify, delete the profiles, and make changes in application. Admin will authenticate the user information. The user can be restaurants, schools or college and any other person. In the user module first they'll register themselves if, they are not already registered. They can register through email address or can connect from Gmail or Facebook. For sign-in the options will be same as registration. There are options to place order according to the budget, also users can track their orders. Users can add information or update their profiles. The driver or rider module will get notification from where to pick the order and drop the orders to destination.

INTRODUCTION

The sharp increase in the amount of wastage in terms of food, clothes, books, etc. makes the need for charity in terms of donation. This paper presents 'Helping Hands', a new internet-based application that provides a platform for donating old stuff and leftover food to all needy people/organizations. It provides information about the motivation to come up with such an application, thereby describing the existing donation system and how the proposed product works for the betterment of society. The product is shown to be an effective means of donating things to organizations, etc. over the internet. It shows the potential for avoiding the wastage of food, clothes, books and the other stuff.

In highly populated countries like India, food wastage is a disturbing issue. The streets, garbage bins and landfills have ample proof to prove it. Marriages, canteens, restaurants, social and family get-togethers and functions expel out so much food. Food wastage is not only an indication of hunger or pollution, but also of many economic problems. The high standard of living has resulted in the wastage of food, clothes, etc. because of quick changes in habits and lifestyle. Instead of wasting these things we can put them in use by donating them to various organizations such as orphanages, old age homes, etc. The product is an internet-based android application that basically aims at charity through donations.

TOPIC

Most people don't realize how much food they throw away every day — from uneaten leftovers to spoiled produce. About 95 percent of the food we throw away ends up in landfills or combustion facilities. In 2013, we disposed more than 35 million tons of food waste. Many people wish to donate things to needy organizations. Also, many organizations wish to ask for various things required by them such as clothes, food grains, books, utensils, etc., but there is no source available through which they can satisfy their requirements. Thereby, an Android application has been developed through which people can donate items as per their capacity and the application also allows organizations to put up their requests, i.e. items required by them, if any. The majority of the population today uses smart phones with active internet connection, which is the basic requirement for this product to function properly.

There is a global trend to an active involvement of persons in the maintenance and restoring of health. For human survival food is essential. Without food man cannot live for more than 20 days. India is the 2nd largest country in population. In India, around 40% of the foods produced are wasted. India ranks 63 in the Global Hunger Index (GHI, UN data). FAO estimates in 'The State of Food Security and Nutrition in the world, 2017' report, 14.5% of the Indian population, are undernourished.

India is the home to largest undernourished population in the world. Food wastage is an alarming issue in India. Our street and dust bins have sufficient proof to prove it. Food Wastage reflects the hunger, pollution crisis and indicates the economic problems of the country like inflation. Weddings, family events, restaurants, hostels, canteens and houses are a major source for food wastage. Many non-profit organizations are helping to reduce this food wastage by collecting the food and distributing it to the needy. All the efforts of the government and organizations will not be successful if there is no individual contribution. Each and every person should have the responsibility to understand the importance of food and should try to reduce food. Excess food can be refrigerated and reused or can be donated to the needy. Many people are interested to donate food but there are not aware of how to donate or whom to approach.



Fig.1: Dumping of Excess Food

In India, the introduction of 4G has made the Smart phone and internet connection available to each and every home. Hence, to make the process of donation easy, a mobile application can be used to encourage people to donate the food and can reach the needy. Feed the Hunger is android based application, developed on Android Studio using java and Xml. Firebase is used as backend database. Feed the Hunger application acts as medium to donate the excess food instead of wasting the food.

The continuous rise in food scarcity is creating an alarming situation in underdeveloped countries and Pakistan is no exception. According to the Global Hunger Report published in 2020, Pakistan was ranked 88th among 107 countries, with 28.5% of the population under-nourished. To address the situation, food resources need to be more effectively utilized. To reduce food wastage, various efforts have been made to identify the issues associated with the lack of adoption of food wastage mobile applications. Roughly a third of the world's food is wasted. That's about 1.3 billion tons a year.

Every day too many men and women across the globe struggle to feed their children a nutritious meal. In a world where we produce enough food to feed everyone, **821 million people – one in nine – still go to bed on an empty stomach each night.** Even more – one in three – suffer from some form of malnutrition



Fig.2: Photo with Grocery store worker

EXISTING SYSTEM:

They know what to do but don't know how to do.

In existing system if anyone have extra food because of any function or in their home it will be 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 an idea about that. So that we have create a application for sponsor that extra food to poor people or nearby orphanage. The user willing to donate has to post the type of food, at least three photos of the food to be donated and location of pickup. The volunteers pick up the food and deliver the food to the needy. The android application has a feature to add the details of hunger zone. The hunger zone can be night shelter, slum or location of needy people. The details of hunger zone such as brief description, number of people, photos and location can be added. The donor can check the details of the hunger zones.

DISADVANTAGES:

The existing system has the following disadvantages:

- Volunteers deliver the food. There is always shortage of volunteers to deliver the food.
- They do not accept leftover food from home or any other restaurants.
- No feedback from the receiver or donor. If there is any issue in the delivery or the quality of the food, it cannot be reported.
- There is no notification feature to intimate the volunteer or organization about the availability of food.

PROPOSED SYSTEM

- We have an idea to create an application to sponsor that extra food to poor people or nearby orphanage.
- We reduce the food wastage using that application. This project is food redistribution which is an enormously successful social innovation that tackles food waste and food poverty.
- The admin collects foods from donator and then provide to nearest orphanages or poor people.
- After receiving the food by receiver admin give alert message to that donator through this way we can reduce food wastage problem.
- Our main idea is to make food donation in a quick and easy way. If people are ready to donate food that is to be wasted, we immediately create them a source to donate it.



Fig.3: Discussing about food wastage with canteen owner

- Our application/our website maintains a database of orphanages and areas where we find poor people and also the restaurants, hostels, hotels, function halls details so that we can maintain a easy contact with them.
- The user just need to update the address from where they wanted to donate the food and information regarding the food available.
- Then the admin immediately track nearby orphanages and places where we can donate food and provide appropriate information to them.

- The same thing with restaurants, hotels, hostels etc., but in case of those as the app already has the information the admin reminds them with notifications so that if there is food they can update immediately.
- We keep the application easy to use without any complicated information.
- Once a notification is sent, the orphanages who wish to claim the donations can reply to the donor and contact him/her. the user interface of this system will be simple and user-friendly, and the targeted system is android. At present, we are aiming to avoid the major wastage that usually happens in India and that is foodstuffs.
- We are looking and expecting to update and refine the same which will add up to efficiency and utility of the application including books, stationary, clothes, etc.
- Furtherly we would like make this application not only for food and also for donating different necessary things for needy ones.

Donors can post the pictures or videos of donated food which encourages others to take part in food donation. It accepts both freshly cooked food and leftover food. This system gets the information of the person who receives food before booking the order. This system also tracks the food until it is delivered so, the status of food will be monitored. Language of the application can also be chosen by user. Notification option is provided to show application notification. User can update his personal information. Delivery type of food can be chosen by user. Distant constrain and expiry time of food is added in this application to reduce the wastage of food.



Fig.4: Pic with local house holds



Fig.5: Pic with local people

Elements involved in process:

Mainly, there are 3 elements are involved in this process. They are classified as below:

- 1) ADMIN
- 2) DONOR
- 3) RECEIVER

Elements and their functions:

Name of the elements	Function
Admin	<ul style="list-style-type: none">• Responsible for accepting or denying user's request• Notify the users• Monitor or update all types of information
Donor	<ul style="list-style-type: none">• Send request to donate• Create post after login• Get notification from admin whether the post is published or not
Receiver	<ul style="list-style-type: none">• Responsible for accepting or denying user's request• Notify the users• Collect and distribute the food items

FUTURE SCOPE

Even though the project is completed to the original requirements, there are some features which can be added are:

- Different languages can be included fulfilling other requirements like books, clothes, etc.
- Making the app supports multiple platforms (cross-platform app). Distance constraint can be added. The user should be within 30 to 60 minutes travelling distance.
- Tracking option will be available to track the location of food while transportation

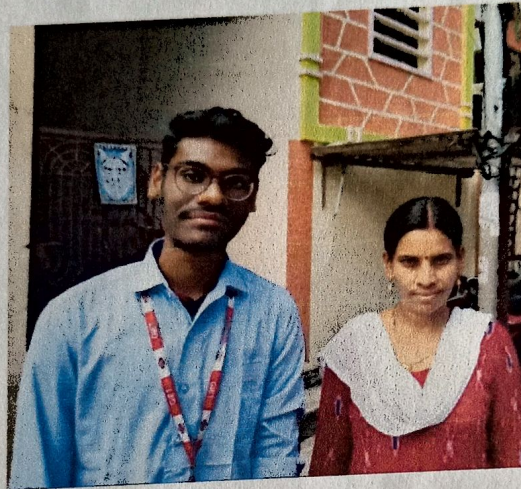


Fig.8: Interacting with women



Fig.9: Teaching about food wastage to a Tractor driver





Fig.12: A good response from a college PT



Fig.13: Explaining about causes of food wastage to grocery shop owner



Fig.14: Getting good responses from households

CONCLUSION

The ultimate aim of this project is to show how one can reuse the excess food he possesses with him by giving it to the people who are in actual need of it.

- This is where our app comes in place it acts as an interface between the donor and the receiver where the donor can register in the app and look at various needy people and ultimately donate food to them.

- If properly used there are many benefits of this app:

1. The hunger rate can be decreased.
2. In the era of digitalization one can easily connect to the app and also use it.
3. It also decreases the amount of waste produced by an individual so that the pollution in the environment also gets reduced.

Peoples use mobile application for various purposes and the trend is increasing from year to year. The proposed application shall reduce food wastage. There is a lot of food wastage that occurs in our daily. Instead of throwing away the same as trash it can be used to feed the homeless. It provides the location of where excess food is available and details of the food quantity available. It is user friendly application. So, there is no difficulty in using this application. Therefore, FTH mobile application has the potential to get a huge number of users and thus beneficial to resolving the hunger, and food waste global issues.

Student Self Evaluation for the Community Service Project

Student Name: SK SHAHEED

Registration No: 21551A4633

Period of CSP:

From: 01-09-2022

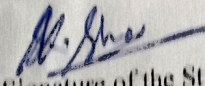
To: 31-12-2022

Date of Evaluation: 31-12-22

Please rate your performance in the following areas:

Rating Scale: Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5


Signature of the Student(s)

Date: 31-12-22

Evaluation by the Person in-charge in the Community / Habitation

Student Name: SK.SHAHEED

Registration No: 21551A4633

Period of CSP:

From: 01-09-2022

To: 21-12-2022

Date of Evaluation:

03-01-23

Name of the Person in-charge: N. Madhuri

Address with mobile number: 7893229091

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
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15	OVERALL PERFORMANCE	1	2	3	4	5

Date: 03-01-2023

Signature of the Supervisor

N. Madhuri

Student Self-Evaluation for the Community Service Project

Student Name: P. LOHITH KUMAR		
Registration No: 21551A4608		
Period of CSP:	From: 01-09-2022	To: 21-12-2022
Date of Evaluation:	31-12-22	

Please rate your performance in the following areas:

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Date: 31-12-22

P. Lohith Kumar
Signature of the Student(s)

Evaluation by the Person in-charge in the Community Habitation

Student Name: P.LOHITH KUMAR

Registration No: 21551A4608

Period of CSP:

From: 01-09-2022

To: 21-12-2022

Date of Evaluation:

03-01-23

Name of the Person in-charge:

N. HODHURU

Address with mobile number:

7393289091

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Written communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Date:

03-01-2023

Signature of the Supervisor

Student Self-Evaluation for the Community Service Project

Student Name: CH. HARISH SAI		
Registration No: 21551A4615		
Period of CSP:	From: 01-09-2022	To: 21-12-2022
Date of Evaluation:	31-12-22	

Please rate your performance in the following areas:

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Date: 31-12-22

Ch. Harish Sai
Signature of the Student(s)

Evaluation by the Person in-charge in the Community / Habitation

Student Name: CH. HARISH SAI

Registration No: 21551A4615

Period of CSP: From: 01-09-2022 To: 21-12-2022

Date of Evaluation: 03-01-2023

Name of the Person in-charge: N. Madhuri

Address with mobile number: 7893229091

Please rate the student's performance in the following areas:

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Date: 03-01-2023

N. Madhuri
Signature of the Supervisor

Student Self-Evaluation for the Community Service Project

Student Name: K. VENKANNA BABU

Registration No: 21551A4632

Period of CSP: From: 01-09-2022

To: 21-12-2022

Date of Evaluation: 31-12-22

Please rate your performance in the following areas:

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Date: 31-12-22

K. Venkanna Babu
Signature of the Student(s)

Evaluation by the Person in-charge in the Community / Habitation

Student Name: K.VENKANNA BABU

Registration No: 21551A4632

Period of CSP:

From: 01-09-2022

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Date of Evaluation:

03-01-2023

Name of the Person in-charge:

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Date: 03-01-2023

N. Madhuri
Signature of the Supervisor

INTERNAL MARKS ASSESSMENT STATEMENT

Name of the Student(s) : SK.SHAHEED

Programme of Study : B.Tech CSE(CS)

Year of Study : II-I (2022-2023)

Group : CSE(AIML&CS)

Register No/H.T.No : 21551A4633

Name of the College : GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)

S.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	20	20
2.	Community Service Project Implementation	30	28
3.	Mini Project Work	25	23
4.	Oral Presentation	25	21
	GRAND TOTAL	100	92

Date: 03-01-23

N. Madh
Signature of the Faculty Guide

Certified by

[Signature]
Signature of the Head of the Department/Principal
Dr. R. TAMILKOTI
HOD-CSE (AIML&CS) GIET (A)

Date: 03-01-23

Seal:

INTERNAL MARKS ASSESSMENT STATEMENT

Name of the Student(s) : P.LOHITH KUMAR

Programme of Study : B.Tech CSE(CS)

Year of Study : II-I (2022-2023)

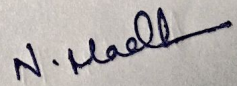
Group : CSE(AIML&CS)

Register No/H.T.No : 21551A4608

Name of the College : GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)

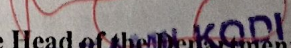
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Dr. R. TANNA KODI
HOD-CSE (AIML&CS) GIET, A

Date: 03-01-23

Seal:

INTERNAL MARKS ASSESSMENT STATEMENT

Name of the Student(s) : CH.HARISH SAI

Programme of Study : B.Tech CSE(CS)

Year of Study : II-I (2022-2023)

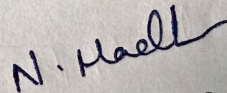
Group : CSE(AIML&CS)

Register No/H.T.No : 21551A4615

Name of the College : GODAVARI INSTITUTE OF ENGINEERING &
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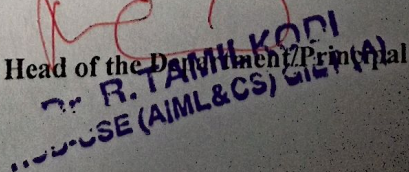
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Dr. R. TAMILKODI
Head of the Department
CSE (AIML&CS) GIT (A)

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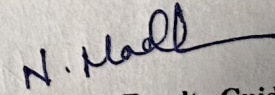
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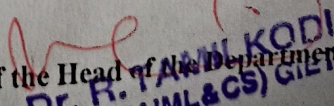
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Signature of the Head of the Department/Principal

Dr. R. TAMILKODI
HOD-CSE (AIML&CS) GIET

Date: 03-01-23

Seal: