**SHAREEATS: A LEFTOVER**

**FOOD DONATION PLATFORM**

A

PROJECT

REPORT

Submitted

by

**REJITHA. K.P [SCM22MCA-2022]**

to

The

APJ Abdul

Kalam

Technological

University

in

partial

fulfillment

of

the

requirements

for

the

award

of

the

Degree

of

Master

of

Computer

Application

**Department**

**of**

**Computer**

**Science**

**and**

**Engineering**

**SCMS**

**SCHOOL**

**OF**

**ENGINEERING**

**AND**

**TECHNOLOGY**

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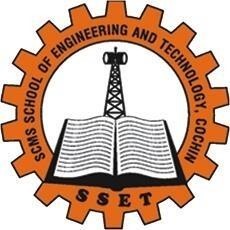
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MAY

2023



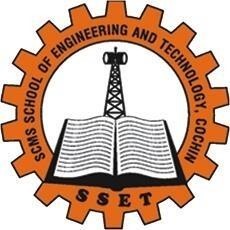
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# CERTIFICATE

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| Name | Name |
| **PROJECT COORDINATOR** |  |

This is to certify that the report entitled **‘SHAREEATS:A LEFTOVER FOOD DONATION PLATFORM ’** submitted by **REJITHA.K.P** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Application is a bonafide record of the project work carried out by her under my guidance and supervision.

**ACKNOWLEDGEMENT**

I am greatly indebted to Dr. Anitha G Pillai, Principal, SSET, Ernakulam and Dr. Varun G Menon, Head of department, Department of Computer Science and Engineering, SSET, who whole heartedly granted me the permission to do the project. I would like to thank my guide, Ms. Athira Manikuttan, and project coordinator, Dr. Deepa K, Department of Computer Science and Engineering, SSET who has given me valuable guidance and support all the way. I would like to express my sincere gratitude to all the teachers of Computer Science Department who gave me moral and technical support. I would like to thank the supporting staff in the computer lab whose dedicated work kept the lab working smoothly, thus enabling me to have access to various resources which helped me understand more about the project topic. I would also like to thank friends and family members for providing me with necessary resources and support. Last but not the least, I would like to thank God Almighty for helping me to do my project hassle free

**ABSTRACT**

The system utilizes web technology to combat food wastage and food poverty through a streamlined process. Donors register surplus food, and administrators coordinate with nearby agents for collection and delivery to orphanages or individuals in need. Web technology ensures efficient communication, and donors receive timely alerts upon successful donation receipt.This innovative approach not only addresses the critical issue of food wastage by redirecting surplus resources but also contributes to the targeted alleviation of food poverty. By merging technological efficiency with social responsibility, this system exemplifies a successful social innovation. It offers a scalable and sustainable solution to simultaneously reduce food wastage and support vulnerable populations, showcasing the transformative potential of web technology for positive societal change.

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**CHAPTER-1**

**INTRODUCTION**

* 1. **GENERAL BACKGROUND**

In response to the dual challenges of food wastage and food poverty, this project introduces a web-based system designed to revolutionize the way surplus food is managed and distributed. The inspiration behind this initiative lies in recognizing the shortcomings of traditional food distribution systems and the untapped potential of technology to create a more efficient and impactful process.

The global scale of food wastage, coupled with persistent issues of hunger, underscores the need for a paradigm shift in resource management. The proposed system envisions a collaborative effort involving donors, administrators, and agents, all facilitated through a web-based platform. Donors contribute surplus food, administrators coordinate the collection and distribution processes, and agents ensure the seamless transfer of donations to those in need.

Key to the system's success is the integration of web technology, enabling real-time communication, efficient coordination, and transparent feedback. Donors receive immediate alerts upon successful donation receipt, fostering engagement and accountability.

By addressing both food wastage and food poverty, this project strives to be a socially innovative solution with the potential for widespread impact. It aligns with principles of sustainability, social responsibility, and technological innovation, presenting a scalable model adaptable to global challenges. The forthcoming project report will provide detailed insights into the system's architecture, functionality, and anticipated societal contributions.

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**1.2 OBJECTIVE**

The primary objective of this project is to leverage web technology to create a streamlined system that addresses the dual challenges of food wastage and food poverty. By facilitating efficient communication and coordination between donors, administrators, and agents, the project aims to revolutionize the way surplus food is managed and distributed. The overarching goal is to contribute to a more sustainable and equitable food distribution system, reducing waste while ensuring that surplus resources reach those in need.

**1.3 SCOPE**

The project's scope is comprehensive, aiming to tackle the complex issues of food wastage and food poverty through the development of a web-based system. It involves active engagement from various stakeholders, including donors, administrators, and agents. The system's primary focus is on creating an efficient mechanism for the redistribution of surplus food, facilitated by real-time communication and coordination through web technology. An alert and notification system enhances donor engagement by providing timely feedback on the success of their contributions. The project is designed with geographic scalability in mind, ensuring adaptability to different locations and accommodating diverse user participation levels. Beyond its technical facets, the project aspires to make a positive social impact by addressing social responsibility and contributing to the equitable distribution of resources. Sustainability is a key consideration, and the project envisions a model that can be globally embraced, revolutionizing surplus food management and fostering positive societal change.

**1.4 ORGANIZATION OF REPORT**

The report on the Food Donation Management System follows a structured format, commencing with the Title Page and Abstract, providing a brief overview of project objectives and methodologies. A well-organized Table of Contents guides readers through sections including Introduction,Methodology, and System Design. Implementation details the practical aspects of system development, while Results and Discussion analyze project outcomes.The report concludes with a References section and Appendices for supplementary materials, ensuring a concise yet comprehensive presentation of the Food Donation Management System project.

**CHAPTER-2**

**2.1.EXISTING SYSTEM**

The existing system for surplus food donation management relies on traditional, manual methods, often resulting in inefficiencies and food wastage. Coordination between donors, administrators, and distribution agents is challenging, hindering timely pickups and deliveries. Communication lacks a centralized platform, and donors may not receive immediate feedback. The system's limitations in scalability and adaptability highlight the need for an innovative, web-based solution to streamline surplus food redistribution, enhance communication, and maximize positive impact.

**2.2.PROPOSED SYSTEM**

The proposed system introduces a transformative approach to surplus food management, leveraging web technology to address inefficiencies in the existing system. It envisions a centralized platform where donors can seamlessly register and contribute surplus food, administrators can efficiently coordinate logistics, and agents can facilitate the timely collection and distribution of donations. The integration of web technology ensures real-time communication, providing donors with immediate feedback on the impact of their contributions. An alert and notification system enhances engagement and accountability. The proposed system's scalability and adaptability are key strengths, allowing it to cater to diverse geographic locations and varying levels of surplus food generation. Overall, the proposed system aims to revolutionize surplus food distribution, making it more efficient, transparent, and socially impactful.

**2.3.HARDWARE SPECIFICATIONS**

• Processor : Intel dual core

• Speed :3.30GHz

• RAM :2GB(min)

• Key board :Standard keyboard

• Mouse :Three button Mouse

• Monitor :LCD

**2.4.SOFTWARE SPECIFICATIONS**

• Operating System :Windows 7 or above

• Programming language :PHP

• Front end :HTML,CSS,JavaScript

• Back end:PHP

• Webserver : Xampp Server

* Database : MySQL
* IDE : VS Code

**2.5. SOFTWARE TOOLS & PLATFORMS**

**CHAPTER 3.SYSTEM DESIGN**

**3.1. INTRODUCTION**

The system design phase is a pivotal stage in developing a surplus food management platform. It entails meticulous planning, structuring the architecture, and defining user roles. The focus is on creating an intuitive interface, integrating web technologies for real-time communication, and establishing a secure database schema. The design prioritizes user experience, ensuring seamless navigation and engagement for donors, administrators, and agents. Security measures are implemented to protect sensitive data, and an efficient notification system keeps users informed. This comprehensive blueprint guides the development team, setting the foundation for an impactful, user-friendly, and scalable surplus food management and distribution system.

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**3.2. MODULE DESCRIPTION**

**3.2.1. ADMIN MODULE**

* **User Management:** Allows the  admin to create,edit and manage user accounts,including donors and agents.
* **Food Donation Management:** Enables the admin to oversee the entire donation process,including accepting or rejecting donations,assigning agents and monitoring food inventory.
* **Dashboard:** Admin canview  ongoing activities such as pending pickups, recent donations and system alerts.
* **Donor Management:**Admin has the ability to approve or reject donor registrations and have access to donor profiles and donation history.
* **Agent Management:**Admin canapprove or reject agent registrations and can  access to agent profiles and pickup history.
* **Communication:**Admin can communicate with donors and agents and provide automated notifications for important updates.

**3.2.2. DONOR MODULE**

* **Registration and Profile Management:**Allows donors to create and manage their profiles including contact information and donation preferences.
* **Food donation:**Enables donors to input details of food donations,including type,quantity,expiration date and pickup availability.
* **Donation Tracking:**CanView the status of submitted donations and receives notifications on donation acceptance and pickup schedules.
* **History and Feedback:**Displays history of previous donations made by the donor and provides feedback on pickup experiences.

**3.2.3. AGENT MODULE**

* **Registration and Profile Management:**Allows agents to create and manage their profiles including contact information and availability.
* **Pickup Scheduling:**Allows agents to schedule and manage the pickup and delivery of donated food.
* **Confirmation and Feedback:**Confirms  successful
* pickups and provide feedback on the donation pickup process.
* **Communication:**Communicate with donors and admin regarding pickup details.

**3.3. Data Flow Diagram**

A diagram of a food donation platform

Description automatically generated

A diagram of a computer program

Description automatically generated

A diagram of a software company

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A diagram of a level

Description automatically generated

A diagram of a response

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**3.4.DATABASE DESIGN**

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