



FOOD WASTAGE MANAGEMENT SYSTEM



A MINI PROJECT REPORT

Submitted by

MADHUMITHA A 730920205024

NISHANTHINI S S 730920205032

SHWETA KUMARI 730920205040

in partial fulfilment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

INFORMATION TECHNOLOGY

EXCEL ENGINEERING COLLEGE

(AUTONOMOUS)

KOMARAPALAYAM-637303

ANNA UNIVERSITY :: CHENNAI-600025

APRIL 2023

BONAFIDE CERTIFICATE

Certified that this project report “**FOOD WASTAGE MANAGEMENT SYSTEM**”
is the bonafide work of **MADHUMITHA A (730920205024)** who carried out the
project work under my supervision.

SIGNATURE

Dr. M.VADIVEL.M.E., Ph.D

HEAD OF THE DEPARTMENT

Professor

Department of Information Technology

Excel Engineering College

Komarapalayam

SIGNATURE

Mr. N.NAVEEN.M.E.

SUPERVISOR

Assistant Professor

Department of Information Technology

Excel Engineering College

Komarapalayam

Submitted for the Mini Project Viva-voce Examination held on _____

Internal Examiner

External Examiner

ACKNOWLEDGEMENT

At the outset we would like to express our praise and gratitude god for his supreme guidance strength and grace for accomplishing this project successfully.

We would like to express our deep sense of gratitude to our beloved chairman **Dr.A.K.NATESAN.M.COM.,M.B.A(NIT).,M.Phil.,Ph.D.,FTA.,** and vice chairman **Dr.N.MATHAN KARTHICK, M.B.B.S, M.H.Sc (Diabetology),** Excel Engineering College for providing the facilities during the course of our study in the college.

We would like to thank **Dr.K.BOMMANNARAJA., ME., Ph.D,** principal, Excel Engineering College who gave us the continuous supporting completing our project.

We would like to express our deep sense of gratitude and sincere thanks to **Dr.M.VADIVEL.,M.E.,Ph.D.,** Professor & Head Department of Informational Technology for his valuable help and suggestion impaired to us.

We would like to express our deep express sense of our gratitude and sincere thanks to **Dr.S.KAYALVIZHI.,M.E.,Ph.D Professor,** Department of Information Technology for his valuable help and suggestion impaired to us.

We wish to express our gratitude and sincere thanks to our internal Guide, **Mr.N.NAVEEN.,M.E.,** Assistant Professor, Department of Information Technology for extending his support in completing this project successfully.

ABSTRACT

Every day the people are wasting lots of foods. So, we have to reduce that food wastage problem through online. The basic concept of this project entitled Web based application for Food Waste Management is to collect the excess/leftover food from donors such as hotels, restaurants, hostels, marriage halls, etc. and distribute to the needy people through NGOs. NGOs will collect the leftover or excess food from above mentioned venues for the distribution to the needy people. This web-based app for food waste management includes four modules such as Admin, Donor, NGO and Logistics (delivery system). Each module includes registration and login to the website. Donor and NGO registrations will be verified by the admin to avoid the scam or fake requests or fake supplies. After verification, both will raise a request for donation and need. Admin can view the requests and supplies and make them communicate by exchanging the details based on the availability, type and quantity of food from the Donor to the NGOs. NGOs can view the donor history and send the request to the donor if they need to manage their excess/leftover food.

TABLE OF CONTENTS

CHAPTER NO	TITLE	PAGE NO
	ABSTRACT	iv
	LIST OF FIGURES	vii
1	INTRODUCTION	
	1.1 OVERVIEW	1
	1.2 VISION OF PROJECT	2
2	LITERATURE SURVEY	4
3	SYSTEM SPECIFICATION	
	3.1 HARDWARE SPECIFICATION	7
	3.2 SOFTWARE SPECIFICATION	
4	VS CODE INSTALLATION	8
5	XAMPP SERVER INSTALLATION	
		14
	5.1 INSTALLATION STEPS	19
	5.1.1 THE XAMPP CONTROL PANEL	20
	5.1.2 STARTING MODULES	21
	5.1.3 SETTING UP XAMPP	22
	5.1.4 MODULE ADMINISTRATION	23
	5.1.5 TESTING XAMPP INSTALLATION	24

6	PROJECT IMPLEMENTATION	
	6.1 LANDING PAGE	25
	6.2 LOGIN FORM	26
	6.3 REGISTER FORM	26
	6.4 HOME PAGE	27
	6.5 DONOR PAGE	28
	6.6 RECIPIENT PAGE	29
	6.7 DONATIONS DETAILS	30
	6.8 RECIPIENT REQUEST	31
7	USE CASES	32
8	WEBSITE FEATURES	
	8.1 USERS ON WEBSITE	34
	8.1.1 LIST OF REQUEST	34
	8.1.2 ADD REQUEST	35
	8.1.3 PROFILES	35
	8.2 ADMIN ON WEBSITE	36
	8.2.1 VIEWING STATIC DATA	36
	8.2.2 ADMIN REPORTS	37
	8.2.3 CREATING DATABASE	37
	8.2.4 TABLE CREATION	38
	8.2.5 TABLE DETAILS	38
9	CODING	39
10	CONCLUSION	46
	REFERENCE	47

LIST OF FIGURES

FIGURE NO	TITLE	PAGE NO
1.1	Illustration Of Proposed Solution	2
4.1	Visual Studio Installation	8
	4.1.1 License Agreement	9
	4.1.2 Menu Folder	10
	4.1.3 Additional Tasks	11
	4.1.4 Ready to Install	12
	4.1.5 Vs Code Setup	13
	4.1.6 Vs Code Welcome Page	13
5.1	XAMPP Installation	14
	5.1.1 Warning	15
5.2	XAMPP Setup	15
5.3	XAMPP Welcome Page	18
6.1	Landing Page	25
6.2	Login Form	26
6.3	Registration	27
6.4	FormHome Page	27
6.5	Donor Page	28
6.6	Recipient Page	29
6.7	Donation Details	30
6.8	Recipient Request	31

7.1	UseCases diagram	32
8.1	List of Request	34
8.2	Add Request	35
8.3	Profiles	35
8.4	Viewing Static Data from Database	36
8.5	Admin Report	37
8.6	Creating Database	37
8.7	Creating Table for Collect Details	38
8.8	Table Details	38