MES COLLEGE OF ENGINEERING, KUTTIPPURAM

DEPARTMENT OF COMPUTER APPLICATIONS

20MCA246 - MAIN PROJECT

PRO FORMA FOR THE APPROVAL OF THE FOURTH SEMESTER MAIN PROJECT

(Note: Al/ entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Main Project Proposal No : _____ (Filled by the Department)	Academic Year 2021-2022_____ Year of Admission 2020_____

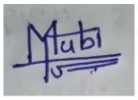
1. Title of the Project : A Food Wastage Reduction App Based on Django Python Application

2.

3. _____

4. Name of the Guide :DR.Geevar C Zacharias
5. Number of the Student: MES20MCA-2030

6. Student Details (in BLOCK LETTERS)

	Name	Roll Number	Signature
1.	Mubashira km	30	

Date:09 /05/2022

Approval Status : Approved

Signature of Committee Members

Comments of The Main Project Guide:

Signature:

Initial Submission:

_____

_____

First Review:

Second Review:

Comments of The Proiect Coordinator Signature

Initial

Submission:

First Review

Second Review

Final Comments

Dated Signature of HOD

A Food Wastage Reduction App Based on Django Python Application

Mubashira km

Introduction:

Wasting food is a common problem in our society. Food waste management is crucial since it can improve our environmental and economic sustainability. We have identified the use of web technology to reduce food waste management , our proposed system develop an Django python application for allows public users to donate and share their foods and leftovers with people in need. This Django app will enable users to register, login, view items, add items, add items to cart, remove an item from the cart, and log out. This app is using the Mysql storage and real-time database. Any user in need can see all the food images donated by different users and add it to his or her cart. To transform the existing manual food donate system into an automate system. For the better management of Food wastage reduction to improve efficiency. Django admin is most powerful parts of Django is its automatic admin interface. It reads metadata in your models to provide a powerful and production-ready interface that content producers can immediately use to start managing content on your site. Django is a web application framework written in Python programming language. It is based on MVT (Model View Template) design pattern. Django is implemented in Python, which has excellent security track record.

Objectives:

Django web application technology is beneficial for food waste management. The app aims to encourage better food management. Our proposed solution should reduce food wastage by facilitating food sharing in india community using mobile technology. This work is an initial step towards designing a better system to reduce daily food waste. In future, this app could be enhanced more by adding the following features:

- Extending our app to have many types of donating users either from organizations such as restaurants, or a family or a single user
- Adding the location facility to our apps. The donating user should specify the location of the shared food.
- Adding the time and date of each meal shared by users

Basic Functionalities:

- Save money by reducing over-purchasing and disposal costs
- Reduce environmental impacts
- Support efforts to eliminate hunger
- Increase tax benefits by donating food; and
- Support community waste reduction efforts.

Tools / Platform, Hardware and Software Requirements:

Hardware Requirements:

- System : Dual Core
- Hard Disk : 40 GB.
- Floppy Drive : 1.44 Mb
- RAM : 256 Mb.

Software Requirements:

Operating System	:	Windows OS
Front-End	:	HTML, CSS, and JS
Back-End	:	Python, SQLite3
IDE	:	visual studio
Framework	:	Django 3.2.8