

# Statement of Work (SOW)

**Project Title:** Food Waste Reducer

**Date:** 06/02/2025

**Prepared By:** Prachi, Aniketh, Mohith, Shilpa, Shreya, Sneha

## 1. Introduction

This Statement of Work (SOW) outlines the objectives, scope, deliverables, and responsibilities for the "Food Waste Reducer" project, developed by the team as part of the Software Engineering course at Mahindra University. The project is designed to address the growing issue of food waste by providing users with tools to efficiently track and plan their meals, ensuring that food is utilized before expiration. Additionally, it offers guidance on proper food storage techniques to maximize shelf life and reduce spoilage. To further its impact, the platform facilitates connections between users and local food-sharing or composting programs, enabling surplus food to be repurposed instead of discarded. Through an intuitive and user-friendly interface, the "Food Waste Reducer" aims to promote sustainable consumption habits and contribute to global food waste reduction efforts.

## 2. Scope of Work

### Project Description:

The "Food Waste Reducer" is a software solution that helps users minimize food waste through meal planning, proper food storage techniques, and local food-sharing initiatives. The project will involve designing, developing, testing, and deploying a user-friendly application.

### Objectives:

- Enable users to track and plan meals efficiently.
- Provide best practices for food storage to reduce spoilage.
- Connect users with food-sharing or composting programs to minimize waste.

### Key Activities:

- Research and define user requirements.
- Develop and integrate meal tracking, storage tips, and food-sharing functionalities.
- Test and optimize the application for usability.
- Deploy and provide documentation for end users.

## 3. Deliverables

- **Deliverable 1:** Requirement Analysis Document – March 10, 2025
- **Deliverable 2:** Prototype & Initial Development – April 7, 2025
- **Deliverable 3:** Final Software Application – May 15, 2025
- **Deliverable 4:** User Manual & Documentation – May 18, 2025

#### 4. Timeline and Milestones

<b>Team Registration</b>	Register the project team	Jan 29th
<b>Statement of Work (SOW)</b>	Define objectives, scope, and deliverables	Feb 7th
<b>Requirements Specification</b>	Document software requirements	Mar 10th
<b>Software Design Document</b>	Define architecture and design aspects	Apr 7th
<b>Software Test Plan</b>	Develop a test strategy and validation plan	May 9th
<b>Project Demos</b>	Present and demonstrate the final application	May 20th-22nd

#### 5. Roles and Responsibilities

- **Team Members:**
  1. Prachi Sarda, SE22UARI130, Project Lead and Backend
  2. G Aniketh, SE22UARI211, Frontend
  3. P Mohith Krishna, SE22UARI138, Frontend
  4. Sneha Sharma, SE22UARI162, Backend
  5. Shreya Patil, SE22UARI207, Database Integration
  6. Sanivarapu Shilpa, SE22UARI152, Database Integration
- **Client Contact:** Software Engineering course, Mahindra University.

#### 6. Assumptions and Constraints

##### Assumptions:

- Users will have access to smartphones or computers to use the application.
- Local food-sharing initiatives will be available for integration.
- Data security measures will be in place for user information.
- Technical constraints such as platform compatibility (iOS, Android, web).

##### Constraints:

- Time limitations for development and testing phases.
- Compliance with food safety and data privacy regulations.

## 7. Approval Signatures

### Client:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### Service Provider:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## 8. Project Overview

### Product Vision:

- **FOR** individuals and households looking to minimize food waste.
- **WHO** need a reliable way to track and store food efficiently.
- **The Food Waste Reducer** is a **meal planning and food storage** application.
- **THAT** helps users reduce food wastage through smart tracking and sharing features.
- **UNLIKE** other generic meal planners,
- **OUR PRODUCT** integrates food-sharing networks and advanced storage guidance to minimize food loss effectively.

### Key Features:

1. **Meal Tracking & Planning:** Users can log their meals and receive reminders.
2. **Storage Tips & Expiry Alerts:** Provides personalized storage recommendations.
3. **Local Food-Sharing & Composting:** Connects users to local initiatives.
4. **Waste Analytics Dashboard:** Offers insights into food consumption patterns.