1 Define a problem statement and give a breit Executive Summary & facultation golsvar :> Executive Summary 1 malayer desire motion ii) project Discription

iii) project Biope. abd smith than boo enstringen show .

# Problem Statement: Food Waste and inefficient

- expiration date management. lost of wasted and range rot digitals
  - · tood waste contributes to greenhouse gas empission climate change and resource depletion.
  - food productioned sports and labor use for
- Food Master ends oup in land tills producing methane a Potent greenhouse gasting
  - · It wasted exacerbates tood insecurity and hunger.
  - · Current solution are tragmented and eduction offo is dimited bus without has sported ?

# Execute Summary.

Food waste is a significant globile issue. Contributing to environmental problems and economics losses. Effective expiration date management is orucial in mitigating food waste. The Summary outline the problems associated with food waste and expiration date management and

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propose solution to address these challenges Develop an intelligent expiration date management System, Fresh Tracker. Hhat:

- 1. Fracks expiration dates of perishable food items 2. Sends reminders and notifications before simon expirational books as Industrial molds
- 3. Provides Storage and handling guidelines for optimal Freshness.
- 4. Enables user to scan barcodes or uplace receipts for easy tracking.
- 5. offers personalized recommendation for uplocid receipts for easy tracking lands
- 6. In clude a database of common food items with their average shelf-life. ...
- 7. Allows users to mark items as Consumed or expired.

## \* Key features. \*

- 1. Expiration date tracking and reminders.
  2. Storage and handling guidelines for optimal Freshness.
- 3. Barcode Scanning and receipt upload for easy tracking
- 4. meal planning and grocery shopping recomm-
- 5. Database of common food items' with self lite: information. boot enterition is bisers

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# Project Description.

Project overview :-i) Development an intelligent expiration date mangement System to reduce food Waste and prevent Foodhome illness ii) Track expiration dates of perishable food items and provide personalized recommendations for meal planning and gracery shopping.

objectives: 1) Reduce food Inaste by 50%.

ii) prevent foodbrone illness and health misk
iii) ofter adequate food storage and handling
Suidelines.

in Increase awareness of food waste.

Functional requirements: -i) user registration and togin
ii) Food item traking and expiration date.

iii) Reminder and notification System.

iv) Meal planning and grocery shopping

recommendation.

pata analytic for insights on food Waste reduction.

Non-Functional requirement: -:) user-hiendly interface and

ii) Secure data Storage and encryption
iii) Scalability and performance

optimization

iv) Compatibility with Various devices and browsers.

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# Project Scope. Develop a user-friendly web mobile application for tracking expiration dates and managing food item made to the bring bring should "i) Design a database to store user data, food item information, and shelf life details. iii) Integrates barcode scanning and receipts Uplad Fearture for easy fracting. in Implement a reminder and notification system for approaching expiration dates. N) provide personalized meal planning and grocery Shopping recommendation. offer storage and handling guidelines for optimal vii) Conduct user testing and quality assurance to ensure a seamless user experience. acidentification on minima (iii Awssmptions: - 1) user will have access to acidologia montphone or computer to use the application. roll occurately input food item information and expiration and receipt upload scanning and receipt upload features will be compatible will.