

GreenBite: Digital Food Waste Manager

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Abstract: Food wastage is a critical issue worldwide, contributing to hunger, economic losses, and environmental degradation. GreenBite: Food Waste Manager addresses this problem through an innovative web application designed to minimize food waste. The system offers features such as inventory management, expiry alerts, recipe suggestions, and a donation platform. Users can log food items with expiry dates, receive timely notifications, and explore recipes for leftover ingredients. Furthermore, the app connects users with nearby food banks and shelters using geolocation technology. By integrating image recognition, responsive design, and user-friendly interfaces, GreenBite promotes sustainability, community support, and efficient food management. This paper discusses the application's architecture, methodology, and future scope, emphasizing its potential to foster a sustainable and waste-free society.

Keywords: Food waste management, sustainability, web application, geolocation, recipe suggestions, food donation.