

AAHAR- Food Donation App

Prof. Shilpa Bhalerao¹, Prof. Smita Marwadi², Hemant Vishwakarma³, Prateek Mathur⁴, Ashwin Vyas⁵

Head, Department of Computer Science and Information Technology¹

Project Guide, Department of Computer Science and Information Technology²

Students, Department of Computer Science and Information Technology^{3,4,5}

Acropolis Institute of Technology and Research, Indore, Madhya Pradesh, India

Abstract: Food waste is a growing issue with serious consequences for the environment and human society. The amount of food waste generated every day has increased dramatically as the population and urbanization have increased. This research focuses on the creation of a waste food management app with the goal of reducing the amount of food waste produced by households and restaurants. The app would monitor users' food waste and suggest ways to reduce it. Furthermore, the app would connect users with local food banks so that they could donate excess food, thereby addressing food insecurity in the community. This paper examines the need for a waste food management app, its features, and the potential societal benefits it could provide.

Keywords: Food Donator, Food Wastage Problems, NGOs, Donation, Food App

REFERENCES

- [1]. J. Gustavsson, C. Cederberg, U. Sonesson, R. Van Otterdijk, and A. Meybeck, Global food losses and food waste: FAO Rome, 2011.
- [2]. J. R. Barton, D. Dalley, and V. S. Patel, "Life cycle assessment for waste management," Waste Management, vol. 16, pp. 35-50, 1996.
- [3]. A. Nahman, W. de Lange, S. Oelofse, and L. Godfrey, "The costs of household food waste in South Africa," Waste Management, vol. 32, pp. 2147-2153, 2012.
- [4]. Oxfam Hong Kong, "Report: Surplus food handling and donation at food companies," 2014.
- [5]. E. Papargyropoulou, R. Lozano, J. K. Steinberger, N. Wright, and Z. b. Ujang, "The food waste hierarchy as a framework for the management of food surplus and food waste," Journal of Cleaner Production, vol. 76, pp. 106-115, 2014.
- [6]. Department of Environmental Protection, "Total Recycling, Zero Landfill Policy Introduction," ed, 2015.
- [7]. The Conservancy Association. (2015). Food Sharing Scheme at the "Food Resources Recycling Centre". Available: https://www.cahk.org.hk/show_news.php?u=57&lang=en
- [8]. https://www.researchgate.net/publication/328409837_A_system_dynamics_model_for_evaluating_food_waste_management_in_Hong_Kong_China
- [9]. <https://www.mdpi.com/2071-1050/12/3/907>
- [10]. <https://www.ijser.org/researchpaper/Reduction-of-Food-Wastage-through-Android-Application-Make-You-Smile.pdf>
- [11]. <https://ijarsct.co.in/Paper3647.pdf>
- [12]. <https://lemma-tijdschriften.com/gallery/goj-1654.pdf>