

# MealMitra: An Innovative Approach to Food Waste Management in India

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**Abstract:** *This research examines MealMitra, a web-based platform designed to address India's growing food waste crisis through innovative collection and redistribution methods. The system tackles critical challenges in food waste management within the context of India's substantial contribution to global food waste. MealMitra employs a comprehensive approach to food waste reduction by connecting excess food sources with distribution channels to serve those in need. The platform achieves its functionality through strategic partnerships with banquets, restaurants, and other food service establishments, implementing a systematic collection and redistribution network. Experimental outcomes demonstrate this solution significantly reduces food wastage while addressing hunger through responsible consumption practices, aligning with UN Sustainable Development Goals of zero hunger and responsible consumption. This paper discusses MealMitra's methodology, impact, and future potential in transforming India's approach to food waste management.*

**Keywords:** Food Waste Management, Food Redistribution, Sustainable Development Goals, Responsible Consumption, Zero Hunger Initiative

