

## ABSTRACT

Food waste is a significant global issue that demands innovative solutions for mitigation. This paper presents a mobile application interface designed to optimize food waste management in the supply chain. The application efficiently addresses the critical issue of surplus food by enabling users to input details such as quality, location, and address through a user-friendly interface. The system then tracks available surplus food and connects with local food banks, charities, hostels, orphanages, and other organizations to redistribute the surplus. Coordination is ensured through a management interface, allowing real-time communication and collaboration between stakeholders. Additionally, the application facilitates the delivery of surplus food to designated recipients, including restaurants, via reliable courier services. By streamlining the food waste management process, the application promotes sustainability and social responsibility in the supply chain, contributing to the reduction of food waste and its associated environmental and social impacts. Food Connect is a purpose-driven mobile application designed to foster a direct and efficient connection between surplus and deficient food resources within a community. This app aims to minimize food waste and address hunger by creating a local network that facilitates the seamless sharing of surplus food among individuals, businesses, and community organizations. It is an innovative mobile application designed to revolutionize the cooked food supply chain by implementing an Enterprise Resource Planning (ERP) model.