

Location Based Waste Management System Application Using Flutter

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Abstract: *This project introduces a dynamic Flutter mobile application aimed at revolutionizing waste management in urban environments. The application leverages location-based services to provide users with real-time alerts regarding the arrival of garbage collectors, ensuring timely and efficient waste disposal. Additionally, it offers a feature to locate the nearest disposal facilities, catering to users who may be unfamiliar with proper waste management practices. The application's user-friendly interface and intuitive design aim to bridge the gap between residents and waste management authorities, ultimately fostering a more sustainable and organized waste management ecosystem in urban communities. This innovative solution exemplifies the potential of technology in addressing critical environmental challenges. Location-based waste management systems use GPS and other technologies to track waste collection and disposal activities. Location-based waste management systems can also help to educate the public about waste disposal practices and encourage recycling and composting*

Keywords: GPS Tracking, Garbage Disposal, Smart City, Waste Management, Flutter, Mobile Application