

Smart Waste Management System

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Abstract: This research paper proposes a smart garbage management system using LabVIEW to address the issue of overflowing dustbins and garbage cans in public spaces in India. The system aims to keep dry and wet garbage separate and provide real-time information on the status of garbage bins, reducing the need for frequent waste collection trips. Waste management, including sorting, transportation, processing, recycling, and disposal, is crucial in densely populated areas. The paper highlights the pressing need for effective waste management due to the significant amount of waste generated in India. The lack of proper garbage collection and transportation infrastructure in Indian cities poses challenges for waste management and contributes to the spread of diseases. The proposed system aims to prevent waste overflow and improve waste management practices in India.

Keywords: waste overflow, LabVIEW, real-time monitoring, waste separation, waste collection, waste disposal, waste recycling.

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