

Report Illegal Dumping

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Abstract: *Improper waste disposal such as illegal dumping, urination, accumulation of garbage, and carcass disposal present severe, social, environmental, and health challenges in both urban and rural areas. These practices contribute to stagnation, infection, and community decay. We propose fighting this concern through a web-based platform where citizens can report environmental crimes using photographic or video evidence along with GPS coordinates that can easily be mapped. NGOs, college student volunteers, and municipal authorities are endowed by the platform to work cooperatively to act on reported violations in a timely manner.*

The portal features an easy to use interface for reporting complaints complete with real-time monitoring of milestones achieved towards resolving them and dashboards showcasing cleanup work done. Moreover, they raise environmental poster awareness through future events including cleanliness drives, workshops, and seminars on waste management and sustainability. One of main functions of the portal is a community driven AI powered chatbot that teaches the public on irresponsible dumping, its consequences, and community fostered prevention strategies.

We focus on the platform's social paradigms as well as the technologies that enable them and the design of the framework. We analyze case studies that have implemented similar systems and strategies for engaging users.

Keywords: Environmental reporting, illegal dumping, civic engagement, NGO collaboration, waste management, community events and AI Chatbot for Environmental Awareness

