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TITLE OF PROJECT: Smart Construction Waste Monitoring And Optimization System.

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ABSTRACT :

"Smart Construction Waste Monitoring and Optimization System," addresses construction waste challenges by deploying IoT devices and data analytics. Smart sensors enable real-time monitoring, while automated sorting systems and optimized waste disposal logistics contribute to sustainability and cost savings. Through a user-friendly mobile app, we engage construction personnel, fostering collaboration and compliance with waste regulations. This project represents a transformative solution, merging electronic innovation and sustainable practices to revolutionize construction waste management. Envisaged benefits include significant waste reduction, cost savings, and improved environmental sustainability. Implementation focuses on seamless collaboration, integration with management systems, and user-friendly interfaces, exemplifying a holistic approach to combat ineffective waste management in the construction industry.

KEYWORDS: Smart Construction Waste Management, IoT Devices, Sustainability, Collaboration

CATEGORY: Construction Management and Methods.