Waste Management System Using IoT Environment

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Abstract: To reduce its negative effects on the environment and public health, it is crucial to make sure that the waste that has been collected is appropriately managed and processed. Recycling, composting, and incineration are a few examples of waste management techniques that can be used to accomplish this. Recycling involves turning garbage into new products, which helps to cut down on the amount of waste that is disposed of in landfills or incinerators. Composting is the process of turning organic waste into a fertilizer rich in nutrients that may be utilized to enhance the quality of the soil. Burning waste products at high temperatures produces energy in the form of heat or electricity during incineration.It is crucial to remember that waste management is not just a government concern; it also necessitates participation and accountability from private citizens and companies. This can be accomplished by implementing sustainable waste management techniques, such as cutting back on trash production, recycling products, and adopting appropriate disposal methods.

In conclusion, the rise in solid and hazardous waste brought on by industrialization, urbanization, and economic expansion poses a significant challenge to waste management. Waste may be effectively separated with the use of cutting-edge systems like the Waste Segregator, which can then be managed through a variety of waste management techniques like recycling, composting, and burning. To maintain a cleaner and healthier environment for future generations, sustainable waste management calls for active participation from everyone.

Keywords: Waste Classification, Internet of Things**.**

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