

Project Design Phase-I

Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID10141
Project Name	Smart Waste Management System for Metropolitan Cities
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Proposed Statement (Problem to be solved)	To detect waste in the bins using Smart bins and Sensors.
2.	Idea / Solution Description	Utilizing sensors, sophisticated monitoring systems, and mobile applications, smart waste management aims to address the aforementioned solid waste management issues.
3.	Novelty / Uniqueness	Reduce, Recycle and Reuse
4.	Social Impact / Customer Satisfaction	A reduction in the waste collections needed by up to 80%, resulting in less manpower, emissions, fuel use and traffic congestion.
5.	Business Model (Revenue Model)	By offering different waste management and disposal services as well as recycling options to clients in the municipal, commercial, industrial, and residential sectors, Waste Management makes money.
6.	Scalability of the solution	The Smart Garbage Monitoring System is very useful in real time, it keeps the environment hygiene and easy work so it will reach worldwide.