

Date	19 September 2022
Team ID	PNT2022TMID42418
Project Name	Smart waste management system for metropolitan cities
Maximum Mark	2 marks

S.NO	PARAMETER	DESCRIPTION
1	Problem Statement(problem to be solved)	Indiscriminate disposal of waste is a major issues in urban centers of most developing countries and it poses a serious threat to healthy living of the citizens .The fill level of waste in each of the containers, which are strategically situated across the communities ,is detected using sensors .
2	Idea / Solution description	Reduce, Recycle & Reuse – Recycling not only saves energy but also prevents the materials from going to landfills & incineration and provides raw materials for new products. Installing more bins for collecting recycling like paper ,glass ,plastics , etc.
3	Novelty / Uniqueness	Raise public awareness of utilizing renewable energy, improves street sanitation , encourage recycling , collect and analyze area-specific data on waste volumes for better planning .
4	Social Impact / Customer Satisfaction	Impacts of present waste disposal practices are seen direct social impacts such as neighborhood of landfills to communities, breeding of pests and loss in property values. Waste also represents an economic loss and burden to our society.
5	Business Model (Revenue Model)	Waste management generate revenue through the provision of various waste management and disposal services and recycling solutions to residential, commercial, industrial and municipal clients.
6	Scalability of the Solution	The implementation of our solution helps to promote separation of recyclables by residents. With sufficient, capacity, there is always enough space for people's trash-general and separable. The need-driven waste collection eliminates unnecessary traffic blockage and overflowing bins. Cities, as a result, becomes cleaner and free or litter, trash and garbage and sustainable solutions like recycling are promoted