

## Project Design Phase-I Proposed Solution Template

Date	25 September 2022
Team ID	PNT2022TMID44655
Project Name	Project - Smart Waste Management System For Metropolitan Cities
Maximum Marks	2 Marks

### Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

Sl.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Due to lack of proper systems for disposal and collections,wastes and garbage's end up in the roads and surroundings.With the existing methods of collecting and disposal it is near impossible to manage such amount of waste in the future as around 30% of waste end up on the roads and public places due to ineffective disposing and collecting methods.In addition, to motivate and influence people to follow proper waste disposal methods.
2.	Idea / Solution description	Design a smart waste collection system that allows people to segregate the various types of solid waste they want to dispose and the municipal authorities to efficiently collect the same.
3.	Novelty / Uniqueness	Fixing sensors for noticing temperature and humidity of the trashcan.
4.	Social Impact / Customer Satisfaction	The fusion sensors, identification technology, and interact connectivity will lead to a uniquely smart disposal trash bin.
5.	Business Model (Revenue Model)	Waste management generates revenue through the provision of various waste management and disposal services and recycling solutions, to residential, commercial, industrial, and municipal clients. The company derives its revenue in the form of various fees associated with its service offerings.
6.	Scalability of the Solution	By using this method the collection of waste in the city becomes more easier.It helps in reducing air pollution, traffic flow, man power, time and money.This project can add an edge to the cities aiming to get smart and people-friendly.

