

Project Design Phase-I

Proposed Solution Template

Date	25 September 2022
Team ID	PNT2022TMID48524
Project Name	Smart Waste Management System for Metropolitan Cities
Maximum Marks	2 Marks

Proposed Solution:

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	How can the trash bins in metropolitan cities be easily notified and cleaned in an efficient manner?
2.	Idea / Solution description	The level and weight of the trash bins are analysed via a web app and that data is generated using sensors. If those bins are filled, then alert the authorities and send the GPS location of those bins to the responsible persons.
3.	Novelty / Uniqueness	Without involving human activities, the trash bins are sensed, analysed, and notified to the responsible person automatically.
4.	Social Impact / Customer Satisfaction	1.Clean cities & Healthy environment 2.Dust free & pollution less environment
5.	Business Model (Revenue Model)	Offering software as a service model to the government and creating revenue from it
6.	Scalability of the Solution	Finally, the filled trash cans can be easily managed from small towns to large metropolitan cities.