

PROJECT DESIGN PHASE -1

Problem Solution Fit

Date	29 September 2022
Team ID	PNT2022TMID01046
Project Name	SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES

Proposed Solution:

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	How to manage the wastes generated in metropolitan cities in a smart manner?
2.	Idea / Solution description	By creating an android application connected to cloud controlled by garbage collectors and making use of sensor-based trash cans in metropolitan cities for smart management of wastes.
3.	Novelty / Uniqueness	In contrast to the traditional ways for collecting trash cans, this strategy instructs us to utilize the transportation only, when necessary, thereby reducing the manpower.
4.	Social Impact / Customer Satisfaction	People can experience a clean atmosphere and it reduces the burden of municipal corporation to monitor the cleanliness of different areas of the city.
5.	Business Model (Revenue Model)	This method lowers a significant amount of fuel cost.
6.	Scalability of the Solution	A slight modification in the placing trash cans with sensors effects in clean and neat environment.

