

Project Design Phase-I Proposed Solution

Team ID	PNT2022TMID40050
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)	Collection of garbage management in cities, towns and villages is a major concern and emerging problem in smart city paradigm. Lack of proper resource distribution in the process of garbage collection is great risk to sanitation, cleanliness, and health.
2.	Idea / Solution description	Collecting data from smart bins and alerting to the wastage collector. Data analysis for a smarter collection process. The data gathered in this process is analysed and it is useful insights empowering the users in their decision-making process.
3.	Novelty / Uniqueness	Identify potential waste streams. Create a waste management-focused community outreach plane
4.	Social Impact / Customer Satisfaction	It will help us to clean the cities and gives us healthy environment. When waste is disposed or recycled in a safe, ethical, and responsible manner, it helps reduce the negative impacts of the environment.
5.	Business Model (Revenue Model)	It generates revenue through the provision of various waste management and disposal services. Recycling solutions to residential, commercial, industrial, and municipal clients
6.	Scalability of the Solution	In this model costumer gets benefits on using smart bins by providing prediction on day-today analysis in waste management system.