# Project Design Phase-I
# Proposed Solution

| Date | 19 September 2022 |
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| Team ID | PNT2022TMID30606 |
| 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-to-day analysis in waste management system. |