Project Design Phase-I

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 13 May 2023 |
| Team ID | NM2023TMID14696 |
| Project Name | Smart city waste management system with connected trash cans |

**Proposed Solution Template:**

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

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | 1. Compost the waste 2. Recycle correctly (especially the toxic substance) 3. Contact your local municipality |
|  | Idea / Solution description | Access to reliable data on the state of solid waste at different location within the city will help both the local authorities and citizens to effectively manage the menace |
|  | Novelty / Uniqueness | Smart bins eliminate unnecessary spending on waste management |
|  | Social Impact / Customer Satisfaction | Once implemented ,this method would be easy to work on.  Satisfied on the work of smart bins |
|  | Business Model (Revenue Model) | Low cost  In one area management of smart bin 1000 to 3000 |
|  | Scalability of the Solution | Smart bin technology is a series of wireless ultrasonic sensor |