

Project Design Phase-I

Proposed Solution

Date	9 October 2022
Team	PNT2022TMID43127
Project Name	Smart Waste Management System for Metropolitan Cities
Maximum Mark	2 Marks

Proposed Solution:

S.NO	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">Smart Waste Management System for Metropolitan Cities
2.	Idea/Solution Description	<ul style="list-style-type: none">Monitoring the bin levels and notifying user once it is filled along with its location
3.	Novelty/Uniqueness	<ul style="list-style-type: none">Live monitoring the level of the bins and closing it once the bins are fullWhen there is any hazardous gas leakage from bin, it automatically closesCompressing garbage to save the place
4.	Social Impact/Customer Satisfaction	<ul style="list-style-type: none">Picking up bins after its filledNo overflow in bins
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">The smart bin with gas sensor, magnetic sensor, ultrasonic sensor, compressor motor and GPS
6.	Scalability of the Solution	<ul style="list-style-type: none">The UI can notify the concern garbage collectorClosing of bins whether there is overflow or any sense of hazardous gas