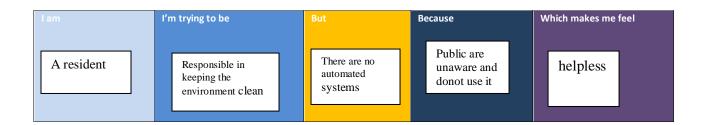
Project Design Phase-I

Proposed Solution Template

Date	24 September 2022
Project Name	Smart Waste Management System for
	Metropolitan Cities



S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	 The traditional way of manually monitoring the wastes in waste bins is a bulky process and utilizes more human effort, time and cost which can be avoided with the present technologies. The project aims at finding a method wherein waste management is automated.
2.	Novelty / Uniqueness	 Monitoring fake reports Using sensors that could be of lesser cost Finding alternatives to GSM
3.	Social Impact / Customer Satisfaction	 Helps reduce pollution Reduce the number of bins required - decluttering and improving the street scene Encourage recycling-on-the-go - by ensuring litter bins aren't over-flowing.
4.	Business Model (Revenue Model)	Cost involved in operating the trucks for regular garbage collection even when bins aren't filled is highly reduced

5.	Scalability of the Solution	Installing such Smart dustbin at every
		locality as possible
		Plans to send Area-wise SMS/Push
		messages to Municipal Corporation
		workers to optimize the manpower and
		energy consumption
		Garbage Reward program to dispense
		reward/offer coupons to local public
		based on amount of waste deposited in
		one time.