

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID15126
Project Name	Smart Waste Management for Metropolitan cities
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The amount of waste generated will be disposed properly and it will be easy for the corporation to clear the bins that is filled first. Apart from this, people can directly track the status of the bins through a web application and can easily locate the bin nearest to them to dispose any waste.
2.	Idea / Solution description	With the Web application both the users(people) and the corporation can track every bin and the status of the bin and it makes the disposal easier.
3.	Novelty / Uniqueness	The water from biodegradable waste can be separated using micropore drains to keep the pungent odour away.
4.	Social Impact / Customer Satisfaction	Reduces the overflow of waste in the bins by alerting to the trash collecting trucks thereby keeping the public space hygiene.
5.	Business Model (Revenue Model)	The e-waste, plastics and biodegradable waste are collected in separate bins. E-waste can contain some useful metals which can be recycled and reused. Plastics can be recycled and reused. Biodegradable waste can be turned into fertilizers.
6.	Scalability of the Solution	The above proposed solution is much more effective than the previously used and existing waste management, especially in metropolitan cities.