

## Project Design Phase-I Proposed Solution Template

Date	16-OCT- 2022
Team ID	PNT2022TMID17404
Project Name	smart waste management system 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)	Inadequate communal containers for storing waste, lack of routine collection of waste and inadequate resources for the sanitation unit to effectively collect the waste generated
2.	Idea / Solution description	<ul style="list-style-type: none"> <li>➤ Recycling not only saves energy but also prevents the materials from going to landfills &amp; incineration, and provides raw materials for new products</li> <li>➤ Installing more bins for collecting recyclables like paper, glass, plastics, etc., and then recycling them can be a huge step</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>➤ the managing of waste by disposal and recycling of it</li> <li>➤ Moreover, waste management needs proper techniques keeping in mind the environmental situations.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>➤ Customer delight is not just about responding to tickets or providing the minimum required service for customers to purchase your product</li> <li>➤ You'll need to surpass expectations</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>➤ Medical: Waste from healthcare facilities, such as nursing facilities, dental offices, hospitals, veterinary clinics, etc.</li> <li>➤ Construction: Waste generated from construction sites, often containing hazardous materials such as paint, asbestos, plaster, and other elements that require specialized removal</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>➤ Sustainable waste management is need of the hour for the country.</li> <li>➤ It not only helps in controlling the damage to the environment but also in reversing the damage that has already been done.</li> <li>➤ It helps create more space, save money and conserve the planet for the future generation.</li> </ul>