

**Project Design Phase-I**  
**Proposed Solution Template**

Date	24 September 2022
Team ID	PNT2022TMID36751
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)	Some trash bins are overfilled while others are underfilled by the trash collection, overfilled trash bins create unhygienic. Unoptimized truck routes result in excessive fuel usage and environmental pollution
2.	Idea / Solution description	Create awareness among the people about the waste management. Use the proper sensor to monitoring trash bins. Separating bio and non bio degradable waste
3.	Novelty / Uniqueness	This system provides the awareness among the people and making the environment safeguard with people
4.	Social Impact / Customer Satisfaction	By the system our environment be clean and safe. It gives healthy and peaceful life to the people.
5.	Business Model (Revenue Model)	Offering software as service model to the government. collecting useful waste and make it us money. Recycling old product to new product
6.	Scalability of the Solution	To helping the government to maintain clean and healthy environment