

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

Date	28 September 2022
Team ID	PNT2022TMID06150
Project Name	Project – smart waste management in 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 greatest problem regarding waste management in developing countries begins at the very starting point of the process. Due to lack of proper systems for disposal and collection ,wastes and garbage's end up in the roads and surroundings.
2.	Idea / Solution description	To solve this problem ,we have a process that ensures proper disposal and efficient waste collection . The procedures we design involves creative initiative that will inspire people to dump in designated area or bins , and innovative method by using internet of things (iot) for monitoring garbage generation and collection of the garbage's.
3.	Novelty / Uniqueness	In our project we find out one solution for one problems we used one Ultrasonic Sensor
4.	Social Impact / Customer Satisfaction	In our projects it alerts municipal corporation sending message as well as it makes alarm . I think it is one of the best idea to make a alarm because we can gain quick response and then if the dustbin get filled means sensor send the message automatically .so we think it is one of the best satisfaction for customers
5.	Business Model (Revenue Model)	It is cost effective It reduces the effect of waste on the environment ,health and so on . This helps utilize resources more effectively and sustainably. Reducing pollution
6.	Scalability of the Solution	It is user friendly. It is used everyone. It has more advantages