

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID01880
Project Name	Project- About 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	The main problem in waste management is that waste are not removed frequently because the waste collectors are not aware of the overflow of trash containers and stagnation of water.
2.	Idea / Solution description	The amount / level of wastes in the trash container increases ,the sensors senses it and notifies it through the GSM.
3.	Novelty / Uniqueness	Installing sensors in bins tio detect wate level and it will notifies the detaisl to the garbage collectors. and there is a platform for peoples to inform the contamination of waste water in the surrounding area.
4.	Social Impact / Customer Satisfaction	From a citizen's perspective, now they can able to inform their issues and they will able to track their request and they will be satisfied as their issue is resolved.
5.	Business Model (Revenue Model)	As revenue model, we can collect tax of minimum amount even peoples below poverty line are able to pay and we can reduce the manpower due to the automated intimation of garbage level to the collectors.and we can recycle the collected waste, generate electricity from waste which will be more efficient.
6.	Scalability of the Solution	This is very effective model and it will be more cost efficient system. The solution is more scalable. As wastes collection is managed very efficiently as we are using modern technologies for maintaining the system.