

Project Design Phase-I

Date	30 September 2022
Team ID	PNT2022TMID11049
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	Problem Statement (Problem to be solved)	Growing pressure in outdated waste management infrastructures ,with declining level of capital investment and maintenance.
2.	Idea / Solution description	IOT based waste management system for collection of waste. It is used to find the level of garbage in the bin and intimate it in case it is full.
3.	Novelty / Uniqueness	Garbage level of the bins can be monitored through a web App. We can view the location of every bin in the web application by sending GPS location from the device.
4.	Social Impact / Customer Satisfaction	Raise public awareness of utilizing renewable energy. less manpower, emissions, fuel use and traffic congestion.
5.	Business Model (Revenue Model)	It helps businesses make their supply chain more effective, improve ordering, reduce waste materials and save money. As landfill taxes continually rise, businesses should not only look to find better solutions for waste, but also reduce the amount they create in the first instance.
6.	Scalability of the Solution	It has a good Scalabilty because it reduce the waste we produce. Provide a robust and flexible regulatory system for waste disposal and management system.