

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

Date	17 September 2022
Team ID	PNT2022TMID15172
Project Name	Project - – Smart waste management system
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)	Rubbish and waste can cause air and water pollution. Rotting garbage is also known to produce harmful gases mix with the air and cause breathing problem in people. Due to improper waste disposal, we may face several problems like unpleasant odour and health problems
2.	Idea / Solution description	To solve this problem of waste management for disposal using a smart refuse bin built with technologies like Sensors, Arduino Yun. Garbage truck Weighing Mechanisms. AI Recycling Robots.
3.	Novelty / Uniqueness	We are going to establish SWM in our college but the real hard thing is that janitor (cleaner) don't know to operate these thing practically so here our team planned to build a wrist band to them, that indicate via light blinking when the dustbin fill and this is Uniqueness we made here beside from project constrain
4.	Social Impact / Customer Satisfaction	n From the public perception as worst impacts of present solid waste disposal practices are seen direct social impacts such as neighbourhood of landfills to communities, breeding of pests and loss in property values
5.	Business Model (Revenue Model)	It generates revenue through the provision of various waste management and disposal services. Recycling solutions to residential ,commercial ,industrial ,and municipal clients
6.	Scalability of the Solution	Installing more bins fir collecting recyclables like paper, glass, plastic . Recycling not only save energy but also prevent the material from going to landfills & Incineration and provides raw materials for new products.