Project Design Phase-I Proposed Solution Template

Date	26/10/2022	
Team ID	PNT2022TMID17659	
Project Name	Smart waste management system for metropolitan cities	
Maximum Marks	2 Marks	

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, Arduous. Garbage truck Weighing Mechanisms. Al Recycling Robots.
3.	Novelty / Uniqueness	 Identify potential waste streams. Create a waste management-focused community outreach plane.
4.	Social Impact / CustomerSatisfaction	 Neighbourhood of landfills to communities, breeding of pests and loss in property values. The IOT solution uses the data and selects optimum routes for waste collection trucks.
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