Project Design Phase-I Proposed Solution Template

Date	23/09/2022
Team ID	PNT2022TMID30107
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. 002	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. ★ Al Recycling Robots.
3.	Novelty / Uniqueness	 Identify potential waste streams. Create a waste management-focused community outreach plane.
4.	Social Impact / Customer Satisfaction	 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, plastice. Recycling not only save energy but also prevent the material from going to landfills & Incineration and

	provides raw materials for new
	products.