Date	24 September 2022
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	2 Marks

Project Design Phase -1 Proposed Solution Template

Proposed Solution Template :

Project team shall fill the following information in proposed solution template.

S.No.	**Parameter**	**Description**
1.	Problem Statement (Problem tobe solved)	This project enables the organizations to meet their needs of smart garbage management systems. This system allows the authorizedperson to know the fill level of each garbage binin a locality or city at all times, to give a cost-effective and time-saving route to the truck drivers.

2.	Idea / Solution description	The key research objectives areas follows: • The proposed system would be able to automate thesolid waste monitoring processand management of the overallcollection process using IOT (Internet of Things). • The Proposed systemconsists of main subsystems namely Smart Trash System(STS) and Smart Monitoring and Controlling Hut(SMCH). • In the proposed system,whenever the waste bin gets filled this is acknowledged by placing the circuit at the wastebin, which transmits it to the

		receiver at the desired place inthe area or spot. • In the proposed system, thereceived signal indicates the waste bin status at monitoringcontrol system.
3.	Novelty / Uniqueness	We are going to establish SWMin our college but the real hardthing 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 dustbinfill and this is Uniqueness we made here beside from projectconstrain.
4.	Social Impact / CustomerSatisfaction	From the public perception as worst impacts of present solid waste disposal practices are seen direct social impacts suchas neighborhood of landfills to communities, breeding of pestsand in property values.
5.	Business Model (RevenueModel)	Waste Management organizes its operations into two reportable business segments: Solid Waste, comprising the Company's waste collection, transfer, recycling and resource recovery, and disposal services, which are operated and managed locally by the Company's various subsidiaries, which focus on distinct geographic areas; and Corporateand Other, comprising the Company's other activities, including its development and operation of landfill gas-to energy facilities inthe INDIA, and its recycling brokerage services, as well as various corporate function.

6.	Scalability of the Solution	The proposed system usessensor and communication
		technologies where waste data is collected from the smart bin, in real-time, and then transmitted to an online platform where citizens can access and check the availability of the compartments scatteredaround a city.