PROJECT DESIGN PHASE-1

PROPOSED SOLUTION

DATE	24-09-2022
TEAM ID	PNT2022TMID54350
PROJECT NAME	Smart Waste Management System for Metropolitan Cities
MAXIMUM MARKS	2 Marks

S.NO	PARAMETERS	DESCRIPTION
1.	Problem Statement	The world faces major environmental challenges associated with waste generation and inadequate waste collection, transport, treatment, and disposal. It is a matter of health safety. Tuberculosis, pneumonia, diarrhoea, tetanus, whooping cough, etc. are other common diseases spread due to improper waste management. The toxic wastes can lead to different kinds of pollution - air, water, and soil. Our current systems cannot cope with the volumes of waste generated by an increasingly urban population, and this has a huge impact on the **environment and public health**.
2.	Idea / Solution Description	The proposed solution helps to maintain a cleaner and healthier environment. This project can be a completely automated process, thereby easing the laborious work. **The project aims to maintain a sustainable, pollution-free and a healthy environment.**
3.	Novelty	- Speed - App Development - Social Impact
4.	Social Impact / Customer Satisfaction	This system produces the cheapest form of waste management in metropolitan cities. The use of IoT aids to progress faster, efficient and makes it a reliable system to use. This brings in door to door services with utmost satisfaction.
5.	Business Model (Revenue Model)	- App Development - In-Exchange to recyclable goods - Data - Credit system - Sponsors - Investors - Advertisements (Online) - Premium fee
6.	Scalability of the Solution	This can be extended to each and every part of the country – rural or urban. More the users, vast waste management system.