Project Design Phase-I
Proposed Solution Template

Date	12 May 2023
Team ID	NM2023TMID11306s
Project Name	Intelligent Garbage classification using deep learning

Proposed Solution Template:

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

S.No.	Parameter	Description
•	Problem Statement (Problem to be solved)	Garbage classification is the process of sorting waste materials into different categories for the purposes of recycling or disposal. There are many different systems for classifying garbage, and the specific categories can vary depending on the location and the resources available for recycling and waste management
•	Idea / Solution description	This means the body must get citizens to segregate waste at the household level and then ensure that this segregated waste—wet and dry, compostable and recyclable—is collected separately and transported separately for processing. The easier solution is to collect and dump.
•	Novelty / Uniqueness	In general, there are three (3) classification of waste management process which are domestic,industry and medical. The most efficient is segregation method, because it's makes treatment, recycling, and reusing of the waste.
•	Social Impact / Customer Satisfaction	The more emissions that we produce due to how much trash we generate, affects us long term. One can develop diseases such as asthma, birth defects, cancer, cardiovascular disease, childhood cancer, COPD, infectious diseases, low birth weight, and preterm delivery.
•	Business Model (Revenue Model)	linear economy traditionally follows the "take-make-dispose" step-by-step plan. This means that raw materials are collected, then transformed into products that are used until they are finally discarded as waste.

		Value is created in this economic system by producing and selling as many products as possible.
•	Scalability of the Solution	Garbage classification refers to the separation of several types of different categories in accordance with the environmental impact of the use of the value of the composition of garbage components and the requirements of existing treatment methods.