Sl. No	Parameter	Description
1.	Problem Statement (Problem to be Solved)	How might collect waste without human interaction in order to maintain a clear environment?
2.	Idea / Solution Description	• In this system, a 24×7 monitoring system is designed for monitoring dumpsters • Here a smart and organized system is designed for selective clearing • The ultrasonic sensor is used for measuring the level of waste in the dumpster • DC motor powered platform is used for segregating wet and dry waste • IR sensor and moisture sensor is used for separating wet and dry waste • If either of the containers is full then an alert message is sent from the dumpster • In turn, employees can clear the corresponding dumpster
3.	Novelty / Uniqueness	More garbage space means fewer collection trips, lower costs and fewer emissions. The Smart Bin separates and monitors the collection levels of your recyclables at the point of collection itself. It also helps in the process of composting.
4.	Social Impact / Customer Satisfaction	*Reduction in collection cost. *No missed pickups. *Reduced overflows.
5.	Business Model (Revenue Model)	Waste Management generates revenue through the provision of various waste management and disposal services and recycling solutions to residential, commercial, industrial, and municipal clients.The Company derives its revenue in the form of various fees associated with its service offerings.
6.	Scalability of the Solution	A significant advantage of the proposed approach is that the system is not limited to a specific type or size of waste-bin but can be scaled regarding any of its components including wastebin sizes and shapes, numbers of sensors and information data flow. This is due to the fact that the architectural components have discrete roles and functional

		independence. Scalability was considered in both modelling and simulation as well as physical component selection.