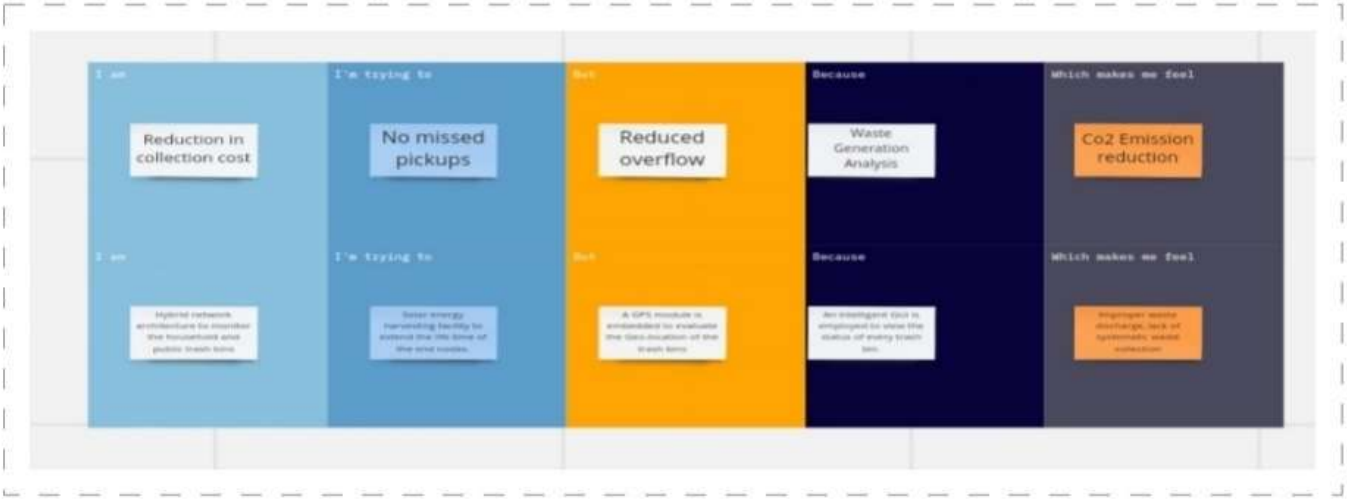
MAHENDRA INSTITUTE OF TECHNOLOGY(AUTONOMOUS)

Date	3-October 2022
Team ID	PNT2022TMID17404
Project Name	smart waste management system for metropolitan cities
Maximum Marks	2 Marks

Customer Problem Statement:

Indiscriminate disposal of solid waste is a major issue in urban centers of most developing countries and it poses a serious threat to healthy living of the citizens. Access to reliable data on the state of solid waste at different locations within the city will help both the local authorities and the citizens to effectively manage the menace. In this paper, an intelligent solid waste monitoring system is developed using Internet of Things (IoT) and cloud computing technologies.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Reduction in collection cost	No missed pickups	Reduced overflow	Waste Generation Analysis	Co2 Emission reduction
PS-2	Hybrid network architecture to monitor the household and public trash bins	Solar energy harvesting facility to extend the life time of the end nodes.	A GPS module is embedded to evaluate the Geo-location of the trash bins	An intelligent GUI is employed to view the status of every trash bin.	Improper waste discharge, lack of systematic waste collection

Reference: https://miro.com/templates/customer-problem-statement/