

Project Title: *Smart Waste Management System For Metropolitan Cities*

Project Design Phase-I - Problem solution fit

Team ID: PNT2022TMID24249

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none">➤ Common people including working people and scavengers who collect garbage from common people.	6. CUSTOMER CONSTRAINTS CC <ul style="list-style-type: none">➤ People need access to internet with proper bandwidth to use this technology.➤ Workers need proper technical knowledge and support to do their work properly.➤ Skilled labours are necessary	5. AVAILABLE SOLUTIONS AS <ul style="list-style-type: none">➤ The 3 R's – Reduce, Reuse and Recycle.➤ Usage of eco-friendly products.➤ Proper disposal of waste	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS J&P <ul style="list-style-type: none">➤ Separate your waste➤ Find the nearest Dust bin➤ Close the dustbin properly after use	9. PROBLEM ROOT CAUSE RC <ul style="list-style-type: none">➤ The root cause of this problem is improper disposal and collection of waste due to improper management of the system	7. BEHAVIOUR BE <ul style="list-style-type: none">➤ If the dustbins are not collected regularly even after the implementation, contact customer care for the guidelines.	
	Focus on J&P, tap into BE, understand RC			

IDENTIFY STRONG TR & EM	8. CHANNELS of BEHAVIOUR		EXTRACT ONLINE AND OFFLINE CH
	YOUR TRIGGERS	YOUR SOLUTION	
	<p>TRIGGERS</p> <p>The things that make people use this are:</p> <ul style="list-style-type: none"> The initiative taken by the government The responsibility of each citizen Knowing how other countries keep their environment clean and green 	<p>YOUR SOLUTION</p> <ul style="list-style-type: none"> Our solution is to keep the designed, smart dustbin in each street, where people in that particular area can dispose their waste periodically. Once the dustbin is filled, it will be notified to the nearest scavenger to collect them These wastes are then sorted out and properly disposed. 	<p>Online:</p> <ul style="list-style-type: none"> All the status of the dustbins and their disposal period is monitored and synced in online platform. <p>Offline:</p> <ul style="list-style-type: none"> Calculation of the status of the dustbin – How much is filled? What is the weight of the dustbin? Etc. are done in offline mode.
	<p>EMOTIONS: BEFORE / AFTER</p> <p>Before: People would have complained about the nasty dustbins and improper maintenance of the system on</p> <p>After: Even if it takes a while for the workers and common people to adopt to this, they will find it very useful</p>		