

Project Design Phase-I - Solution Fit

Project Title: Smart Waste Management System for Metropolitan Cities

Team ID: PNT2022TMID01046

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS The main clients are domestic scavengers, as well as municipality government trying to improve the standard of waste management.	6. CUSTOMER CONSTRAINTS C Because we use the internet to provide alert messages in our project, certain clients may be unfamiliar with utilizing it and some individuals may not have sufficient internet connections. So, these were shown to be some of the significant limitations.	5. AVAILABLE SOLUTIONS AS The only known answer is to provide garbage cans with lids that can be opened without a hand and to continuously monitor the trash cans so that they can be changed out when they become overloaded.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS Jobs: Design a user-friendly application so as the garbage collectors can operate easily. Problems: Numerous health problems might be caused by the trash overflow on the sides of the roads.	9. PROBLEM ROOT CAUSE RC The quick-paced civilization does not know how to properly dispose of rubbish. The source of the issue is the regular people themselves.	7. BEHAVIOUR BE Customers should instruct the garbage collectors on how to use the Android application and approach the authority directly about placing such smart trash cans in urban areas.	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC

<div>3. TRIGGERS<div>TR</div><p>When the right outcome is achieved after first installing the smart trash cans in one location, it encourages the client to purchase the goods.</p></div> <div>4. EMOTIONS: BEFORE / AFTER<div>EM</div><p>BEFORE: Before the consumer might feel awful for picking up the trash that has been tossed down, they also can have health problems.</p><p>AFTER: After this idea is implemented, however, they won't need to constantly check on the trash cans because once they are full, they will automatically alert the garbage collectors, who will then instantly replace them with new ones. As a result, there will be less labor.</p></div>	<div>10. YOUR SOLUTION<div>SL</div><p>To prevent people from throwing trash outside, we have planned to send an alarm message to garbage collectors when the trashcan level reaches a certain threshold and replace it with another dustbin.</p></div>	<div>8. CHANNELS of BEHAVIOUR<div>CH</div><div>8.1 ONLINE</div><p>They can only keep an eye on the garbage level via internet tools.</p><div>8.2 OFFLINE</div><p>When using the offline technique, someone needs to manually check the trash can.</p></div>
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