

Project Design Phase-I

Problem – Solution Fit Template

Date	15 October 2022
Team ID	PNT2022TMID15274
Project Name	Project – Smart Waste Management System for Metropolitan Cities
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

- ☐ Solve complex problems in a way that fits the state of your customers.
- ☐ Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- ☐ Sharpen your communication and marketing strategy with the right triggers and messaging.
- ☐ Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- ☐ **Understand the existing situation in order to improve it for your target group.**

Template:

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) Municipal workers can use this application to track the status of the smart dustbins to perform necessary action. CS	6. CUSTOMER CONSTRAINTS Municipal workers have to visit each and every dustbin manually to track the garbage level. CC	5. AVAILABLE SOLUTIONS There are many applications that can give the sensor information but our system gives the accurate information minute to minute and by this mobile application monitoring the garbage level is also automated. AS	Explore AS, differentiate
Focus on J&P, tap into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS The main job is to be done is that installing the app properly and also the working of the application should be understood by the municipal worker. J&P	9. PROBLEM ROOT CAUSE The municipal workers need not to visit the dustbin to track the level of the garbage in the dustbin. RC	7. BEHAVIOUR The municipal workers use this mobile application in order to track all the information regarding the garbage level in the dustbin correctly. BE	Focus on J&P, tap into BE, understand RC
Identify strong TR & EM	3. TRIGGERS They can know all the sensor parameters of the field and can track the garbage from mobile application. TR	10. YOUR SOLUTION The best solution is connecting the sensors to the mobile and getting all the information regarding the level of garbage from anywhere using the application. SL	8. CHANNELS OF BEHAVIOUR 8.1 ONLINE Municipal workers use this smart waste management mobile application to track all the sensors information accurately. 8.2 OFFLINE This mobile application will not track any information when it is in offline. CH	Identify strong TR & EM
	4. EMOTIONS: BEFORE / AFTER When the municipal worker do not use smart waste management application they have to manually check the all parameters and have to track the garbage level in usual way. After using this application they can track information of the parameters easily and can monitor the garbage level from anywhere through mobile. EM			

