

## Project Design Phase-I

### PROBLEM SOLUTION FIT TEMPLATE

Date	02/10/2022
Team ID	PNT2022TMID38196
Project Name	Smart waste management for metropolitan cities
Maximum Marks	2 Marks

Define CS, fit into C	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> Our target is Public. Main purpose is to monitor the area and garbage bins Customer satisfaction is increasingly become an essential needed for marketers and customer service representatives.	<b>6. CUSTOMER CONSTRAINTS</b> <span>CC</span> Cost Network issue Spending power Size of the bin and separation of various wastes.	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> Create an emergency readiness plan for network problem Solar power usage for spending power problem Review compliance guidelines	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> 1. Waste disposal : Perform regular audits on waste management & disposal. 2. Germs spreading: Using Optical bio-sensor we can monitor how much amount of germs in the garbage can. If the garbage has more bacteria or virus then alert message should send to the workers for immediate cleaning purpose.	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span> 1. Lack of waste disposal: If any network issues occurred then the message will not received by the workers , so the waste disposal get delayed. 2. Germs spreading: If the system fails to work suddenly, there is a chance of spreading of germs. Incase in waste without disposal can create a disease spread and bad odor over the area.	<b>7. BEHAVIOUR</b> <span>BE</span> 1. Waste disposal : Perform regular audits on waste management & disposal. 2. Germs spreading: Using Optical bio-sensor we can monitor how much amount of germs in the garbage can. If the garbage has more bacteria or virus then alert message should send to the workers for immediate cleaning purpose.	

Identify Strong TR & E	<b>3. TRIGGERS</b> <span>TR</span> Showing demo of our product provide them with social proof Create high quality product content	<b>10. YOUR SOLUTION</b> <span>SL</span> Network issue: Create an emergency readiness plan Spending power: solar power usage Waste disposal: Perform regular audit on waste management & disposal	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span> ONLINE: It reaches the customers quickly. We cannot monitor in live Cannot know about it's efficiency in disaster time because of network issue OFFLINE: We can monitor in live It takes time to reach customers	Identify Strong TR & E
	<b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> BEFORE: They may think it is new to market so it takes much risk while investing. And they think it involves high maintenance. AFTER: People may feel good and comfortable once all project is set. And so be seeing updated technology and the scope towards IOT may impress people.			

