

## Project Design Phase-I

### Problem – Solution

Date	30 September 2022
Team ID	PNT2022TMID31883
Project Name	Project – Smart Waste Management System for Metropolitan Cities
Maximum Marks	2 Marks

#### Problem – Solution Fit:

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.**

Project Title: Smart Waste Management System for Metropolitan Cities

Project Design Phase-I - Solution Fit

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Define CS, fit into CC	1. CUSTOMER SEGMENT(S) <span style="float: right;">CS</span>	6. CUSTOMER CONSTRAINTS <span style="float: right;">CC</span>	5. AVAILABLE SOLUTIONS <span style="float: right;">AS</span>	Explore AS, differentiate
	The government, neighboring community, local authorities and media has been identified as a key stakeholders.	Provide better control over odor. Reduce Pollution.	Solutions that support the digital transformation of waste management to achieve efficiency, transparency and sustainability.	
Focus on JBP, fit into BE, understand BC	2. JOBS-TO-BE-DONE / PROBLEMS <span style="float: right;">JBP</span>	9. PROBLEM ROOT CAUSE <span style="float: right;">RC</span>	7. BEHAVIOUR <span style="float: right;">BE</span>	Focus on JBP, fit into BE, understand BC
	People throw garbage on the dustbin which is already overflowed. This activity causes the various diseases.	<p>The manual process in earlier system consumes more time and also need more resources.</p> <p>The following wastes are causes various diseases. They are Industrial waste, Drainage waste, Household waste and Manufacturing waste.</p>	Set a goal for reducing the amount of trash generated each week and make places clean and hygienic.	
Focus on BE, fit into BC, understand CS	3. TRIGGERS <span style="float: right;">TR</span>	10. YOUR SOLUTION <span style="float: right;">SOL</span>	8. CHANNELS of BEHAVIOUR <span style="float: right;">CH</span>	
	<p>Seeing their neighbour using this system to easily monitor the garbage level in dustbin.</p> <p>4. EMOTIONS: BEFORE / AFTER <span style="float: right;">EM</span></p> <p>Before solving problem people are in anger, tension, thinking about problem and solution.</p> <p>After use this technology in order to feel that its more efficient than traditional waste management.</p>	<p>To maintain and monitor the solid waste by help of website dashboard and also help to track the waste level of the city. Reduce the Amount of waste that is created and reuse waste material that would be degraded.</p>		