

## PROJECT DESIGN PHASE – I

### PREPARE SOLUTION FIT

Date	1 October 2022
Team ID	PNT2022TMID34218
Project Name	Smart Waste Management System For Metropolitan Cities

**Problem-Solution Fit canvas** Purpose / Vision Version:

Define CS, TR into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> <i>The government, local authorities, neighboring community, public, environmental activists and media has been identified as a key stakeholders.</i>	<b>6. CUSTOMER LIMITATIONS</b> <span>CL</span> <small>eg. BUDGET, DEVICES</small> <i>Provide better control over odor. Reduce pollution.</i>	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <small>PROS &amp; CONS</small> <i>Recycling the nonbiodegradable waste material. Advanced technologies. By reusing the product.</i>	Explore AS, define CS into CL
	<b>2. PROBLEMS / PAINS</b> <span>PR</span> <small>+ ITS FREQUENCY</small> <i>Tired of bugs and insects. Air emission Good harvest. Possibility of customisation.</i>	<b>9. PROBLEM ROOT / CAUSE</b> <span>RC</span> <i>Industrial waste, Drainage waste, Household waste, Manufacturing and agriculture.</i>	<b>7. BEHAVIOR</b> <span>BE</span> <small>+ ITS INTENSITY</small> <i>A creative environment. Big complex garden. Place for experiment.</i>	
Focus on PR, TR into BE, understand RC	<b>3. TRIGGERS TO ACT</b> <span>TR</span> <i>Offer something to get something bigger in return.</i>	<b>10. YOUR SOLUTION</b> <span>SL</span> <i>Reduce the amount of waste that is created. Reuse waste material that would be disgraded.</i>	<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> <small>ONLINE</small> <i>May be they go for advance technologies.</i>	Extract online & offline CH of BE
	<b>4. EMOTIONS</b> <span>EM</span> <small>BEFORE / AFTER</small> <i>Before solving problem they are in frustration, anger, tension, low confidence. Thinking about problem and solution.</i> <i>After the problem is solved they are happy, getting more confidence, getting ideas.</i>		<small>OFFLINE</small> <i>Frequent food waste collection, to encourage participation.</i>	

Identify strong TR & EM

Problem-Solution Fit canvas is licensed under a Creative Commons Attribution NonCommercial-NoDerivatives 4.0 International License. Designed by Daria Nijelakiewicz / 925758225.5 - you can share this canvas for free but you can't make any changes or use it for commercial purposes.

IdeaHackers

Reference link:

<https://app.mural.co/invitation/mural/smartmanagement5748/1664083888369?sender=ue09fb59c5eb2c7187ab42437&key=05210c15-842c-4cbe-8fc0-47f5e8575c3b>