

PROJECT DESIGN PHASE – I

PROBLEM SOLUTION FIT

Date	01 November 2022
Team ID	PNT2022TMID49101
Project Name	Smart Waste Management System For Metropolitan Cities

Problem-Solution Fit canvas

Purpose / Vision: _____ Version: _____

Define CS, PR into CL Focus on PR, map into BE, understand BE	1. CUSTOMER SEGMENT(S) CS <i>The government, local authorities, neighboring community, public, environmental activists and media has been identified as a key stakeholders.</i>	6. CUSTOMER LIMITATIONS CL <small>eg: budget, devices</small> <i>Provide better control over odor. Reduce pollution.</i>	5. AVAILABLE SOLUTIONS AS <small>points & options</small> <i>Recycling the nonbiodegradable waste material. Advanced technologies. By reusing the product.</i>	Explore AS, differentiate
	2. PROBLEMS / PAINS + ITS FREQUENCY PR <i>Tired of bugs and insects. Air emission. Good harvest. Possibility of customisation.</i>	9. PROBLEM ROOT / CAUSE RC <i>Industrial waste, Drainage waste, Household waste, Manufacturing and agriculture.</i>	7. BEHAVIOR + ITS DESIRABILITY BE <i>A creative environment. Big complex garden. Place for experiment.</i>	
Identify strong TR & EM	3. TRIGGERS TO ACT TR <i>Offer something to get something bigger in return.</i>	10. YOUR SOLUTION SL <i>Reduce the amount of waste that is created. Reuse waste material that would be degraded.</i>	8. CHANNELS of BEHAVIOR CH <small>ONLINE</small> <i>May be they go for advance technologies.</i>	Extract values & define CH of BE
	4. EMOTIONS EM <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>	

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Reference link:

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