

## PROJECT DESIGN PHASE – I


### PREPARE SOLUTION FIT

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

**Problem-Solution Fit canvas** Prototype / Version Version

Define CS, TR, PS, BE, 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>PS: BUDGET, REVENUE</span> <span>CL</span> <i>Provide better control over odor. Reduce pollution.</i>	<b>5. AVAILABLE SOLUTIONS</b> <span>PS: CS &amp; CL</span> <span>AS</span> <i>Recycling the nonbiodegradable waste material. Advanced technologies. By reusing the product.</i>	Explore AS, effectiveness
	<b>2. PROBLEMS / PAINS</b> <span>PS: TR &amp; PS</span> <span>PR</span> <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>PS: TR &amp; PS</span> <span>BE</span> <i>A creative environment. Big complex garden. Place for experiment.</i>	
Focus on PS, TR, PS, 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 degraded.</i>	<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> <b>ONLINE</b> <i>May be they go for advance technologies.</i>	Extract online & offline CH of BE
	<b>4. EMOTIONS</b> <span>BEFORE / AFTER</span> <span>EM</span> <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>		<b>OFFLINE</b> <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>