

# Project Design Phase-I - Solution Fit Template

## Smart Waste Management System for Metropolitan Cities

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Define CS, fit into CC	<p><b>1. CUSTOMER SEGMENT(S)</b> <b>CS</b></p> <p>The people in the metropolitan cities must use bins in house usage for daily and separate the degradable and non-degradable wastes</p>	<p><b>6. CUSTOMER CONSTRAINTS</b> <b>CC</b></p> <ul style="list-style-type: none"> <li>Efficient waste management is required.</li> <li>Before bins get full it indicates the bin going to fill.</li> <li>Lack of participation in waste isolation.</li> </ul>	<p><b>5. AVAILABLE SOLUTIONS</b> <b>AS</b></p> <ul style="list-style-type: none"> <li>Track and Control the Smart Waste Management.</li> <li>By recycling maximum waste</li> <li>Reducing the waste collection is needed that reduce the usage of fuel, manpower etc.</li> </ul>	Explore AS, differentiate
Focus on J&P, tap into BE, understand RC	<p><b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <b>J&amp;P</b></p> <ul style="list-style-type: none"> <li>Pollutions caused by wastes causes diseases.</li> <li>Create a compost site Need an intimation whenever the bin overflow.</li> <li>Resist the overflows of waste from bins</li> </ul>	<p><b>9. PROBLEM ROOT CAUSE</b> <b>RC</b></p> <ul style="list-style-type: none"> <li>People does not have awareness.</li> <li>Most wastes are come from industries.</li> <li>Wastes are overflows on roads</li> </ul>	<p><b>7. BEHAVIOUR</b> <b>BE</b></p> <ul style="list-style-type: none"> <li>People throws waste in roads from their houses it mostly in metropolitan cities and people in flats</li> <li>If bins get filled clean the bins and surrounding areas with in a hour.</li> </ul>	Focus on J&P, tap into BE, understand RC

Identifying strong	<b>3. TRIGGERS</b> <span>TR</span> <ul style="list-style-type: none"> <li>The pickup of the bin should be on time.</li> <li>If anyone throwing the waste others near also follows the same behaviour</li> </ul>	<b>10. YOUR SOLUTION</b> <span>SL</span> <ul style="list-style-type: none"> <li>Use solar panels for recharging batteries</li> <li>Timing of taking wastes is important because it may cause traffics.</li> <li>Monitoring the bins and if any problems occurred the authorized person go and check the bin</li> <li>Easy using application to monitoring, locating and filling of wastes.</li> </ul>	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span> Online <ul style="list-style-type: none"> <li>Data about the level of junks filled is shown and the information is moved to the control space for each bind including its determinations.</li> <li>People give their feedbacks and complaints to improve the work.</li> </ul> Offline <ul style="list-style-type: none"> <li>For different environments we use different waste management. for houses use different, for industries use different.</li> <li>By placing bins in the center of that area it is easily to identify the bins</li> </ul>
	<b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> Before <ul style="list-style-type: none"> <li>People get irritated on seeing the wastes that end up on the roads.</li> <li>Improper management of wastes</li> </ul> After <ul style="list-style-type: none"> <li>Gets an idea of managing waste to provide a safe and clean environment.</li> <li>89N3PDyZzakoH7W6n8ZrjGDDktjh8iWFG6eKRvi3kvpQ</li> </ul>		