

IOT Based Smart Waste Management for Metropolitan cities

Define CS, fit into CC	<p>1. CUSTOMER SEGMENT(S) CS</p> <p>Who is your customer?</p> <p>Adults of every house who wants to have clean space are our customer.</p>	<p>6. CUSTOMER CONSTRAINTS CC</p> <p>What constraints prevent your customers from taking action or limit their choices of solutions?</p> <p>As it is a web app it needs network to work properly it is effective without network connection.</p>	<p>5. AVAILABLE SOLUTIONS AS</p> <p>Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?</p> <p>When the notification option is not working then the customer can send call or message to customer care number.</p>	Explore AS, differentiate
Focus on J&P, tap into	<p>2. JOBS-TO-BE-DONE / PROBLEMS J&P</p> <p>Which jobs-to-be-done (or problems) do you address for your customers?</p> <p>Growing pressure in outdated waste management infrastructures, with declining level of capital investment and maintenance.</p>	<p>9. PROBLEM ROOT CAUSE RC</p> <p>What is the real reason that this problem exists? What is the back story behind the need to do this job?</p> <p>This problem arises due to the over usage of things and that causes the damping of wastes in home and the respective house owners throws those wastes in street.</p>	<p>7. BEHAVIOUR BE</p> <p>What does your customer do to address the problem and get the job done?</p> <p>The sensor senses the level of waste in the bin and sends the notification to the authority to collect the waste if the bin is full.</p>	Focus on J&P, tap into
Identify strong TR & EM	<p>3. TRIGGERS TR</p> <p>What triggers customers to act? i.e. seeing their neighbour installing</p> <p>Seeing how neighbours are having a clean environment after installing it people will be waiting for getting it installed in each house.</p> <hr/> <p>4. EMOTIONS: BEFORE / AFTER EM</p> <p>How do customers feel when they face a problem or a job and afterwards?</p> <p>Before due to dumping of waste people would feel unhygienic and smell produced by the waste will make people live an unhealthy life.</p> <p>After installing they will feel at ease as it provides a clean home</p>	<p>10. YOUR SOLUTION SL</p> <p>If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.</p> <p>If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.</p> <p>Our Solution is to manage the waste efficiently by indicating the garbage level to the user as well as authenticated person to collect it and proceed to further process with the garbage.</p>	<p>8. CHANNELS of BEHAVIOUR CH</p> <p>ONLINE</p> <p>What kind of actions do customers take online?</p> <p>If it is in online mode, if the bin is full it sends a message to the customer and then the customer can intimate to the authority.</p> <p>OFFLINE</p> <p>What kind of actions do customers take offline?</p> <p>If it is in offline mode, the waste collecting truck collects garbage from home.</p>	Extract online & offline CH of BE