Project Title: Smart Waste Management System For

Metropolitan Cities Project Design Phase-I - Solution Fit Team ID: PNT2022TMID15246

**5. AVAILABLE SOLUTIONS**

There are many applications that can give the sensor information but our system gives the accurate information minute to minute and by this application cleaning the waste in smart way is also automated.

**6. CUSTOMER CONSTRAINTS**

Waste management requires facing a number of challenging issues for instance balancing objectives between promoting recycling and protecting consumers against harmful substances.

**1. CUSTOMER SEGMENT(S)**

It can track all the waste garbage through the application.



**7. BEHAVIOUR**

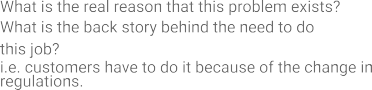
The farmers use this mobile application to order to track all the humidity and temperature information of the field correctly.

**9. PROBLEM ROOT CAUSE**

The problem root causes are many for waste management in that 3 factors that leads to poor management and how to combat them i.e., lack of public awareness, refusal to learn about compliance & lack of proper machinery.

**2. JOBS-TO-BE-DONE / PROBLEMS**

The main jobs should be done is we will create and put the plans in place to provide a reliable and efficient service for the collection, transportation, and disposal of waste.



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|  | **3. TRIGGERS**  **3. TRIGGERS**  They can know all the sensor waste of the system and can the remove the waste. | **TR** | **10. YOUR SOLUTION SL**  **10. YOUR SOLUTION**  The best solution is using a reusable bottle/cup or for beverages, use reusable grocery bags, and not just for groceries also for all & compose it | **8.CHANNELS of BEHAVIOUR CH**  **8. CHANNELS OF BEHAVIOUR**  **8.1 ONLINE**  This smart way uses this the application to track all the wastages information accurately.  **8.2 OFFLINE**  This application will not track any information about wastages when it is in offline. |  |
| What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efﬁcient solution in the news. |  | 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.  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. | * 1. **ONLINE**   What kind of actions do customers take online? Extract online channels from #7   * 1. **OFFLINE**   What kind of actions do customers take ofﬂine? Extract ofﬂine channels from #7 and use them for customer development. |
| **4. EMOTIONS: BEFORE / AFTER EM**  **4. EMOTIONS: BEFORE / AFTER**  When the smart system do not use application they have to manually clean all wastages and have to maintain the surroundings clean in usual way.  After using this application, they can clean the waste in the cities easily and can control the waste from anywhere through application. | |  |  |
| How do customers feel when they face a problem or a job and afterwards?  i.e. lost, insecure > conﬁdent, in control - use it in your communication strategy & design. | |  |  |