PROJECT TITLE: SMART WASTE MANAGEMENT SYSTEM Project Design Phase-1 -Solution Fit Template Team ID: PNT2022TMID42279

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1. **CUSTOMER SEGMENT(S) CS**     * Waste holders, such as private individuals, property owners or companies are our customers. | 1. **CUSTOMER**    * As it is technology based it needs internet access to work properly.    * Customers need to buy some IOT Devices to access.    * They may use solar energy instead of electrical power. |  | 5**.AVAILABLE SOLUTIONS** |  | **Explore AS,**  **differentiate** |
| * Shop eco \_friendly with reusable bags. * Join buy -and-sell groups. * Digital trash bins are alternative to dustbins, because digital bins can detect the trash level and send notifications to the customers. | | |

**3. TRIGGERS TR**

**4. : BEFORE / AFTER EMOTIONS**



**BE**

1. **BEHAVIOUR**
   * If the sensors are not working properly contact the customer care or drop a message.
2. **PROBLEM ROOT CAUSE**

i

* + Lack of industry expertise.
  + Emission of greenhouse gases.
  + Poor recycling quality due to lack of education.
* Separate your waste.
* Create a composite site.
* Growing pressure in outdated waste management infrastructure, with declining level of capital investments and maintenance.

**J&P**

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

**Focus on J&P, tap into BE,**

1. **YOUR SOLUTION SL** 
   1. **CHANNELS of BEHCHANAVIOUR CH**

**Focus on J&P, tap into BE, unde**

**n**



* + - Seeing how neighbors are having a clean environment after using it people will get admire my seeing others.

4. BEFORE/AFTER

* Before using this technology, society is suffered by health issues because the waste products produce air pollution.
* After using this technology, they feel at easy as it provides a clean society.
* It continuously monitors the garbage bincontinuously
* It continuously monitors the garbage bins and determines which bins must be emptied during each waste collection cycle. The proposed garbage collection system is charged by solar energy.
* The system also includes a navigation system that shows the most effective route for collecting garbage from specified containers.ONLINE:

.  If it is in online mode, the bin is full it sends the notification to the authorized persons

OFFLINE:

* + If it is offline every day the waste collecting trucks will collect garbage from home.