**Project Design Phase-I**

**Problem Solution Fit**

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

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

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| --- | --- |
| Date | 01 October 2022 |
| Team ID | PNT2022TMID33002 |
| Project Name | Project- Smart Waste Management System For Metropolitan Cities |
| Maximum Marks | 4 Marks |

**Problem Solution Fit template: Smart Waste Management System For Metropolitan Cities**

**AS**

**5. AVAILABLE SOLUTIONS**

* Household wastes are incinerated in the backyard or nearby.
* PROS: Reduction in odor and quantity of wastes
* CONS: Air pollution
* Peoples may feel disgusted to clean the garbage by themselves
* No patience

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

The customer here is a “ People of this society”

**Explore AS, differentiate**

**Define CS, fit into CC**

**BE**

**7. BEHAVIOUR**

* People would complain to the municipal corporation about the issues

**RC**

**9. PROBLEM ROOT CAUSE**

* No proper monitorization of waste disposal
* People’s lethargicness

**J&P**

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

* Notifying the truck driver about the overflow of trash containers to empty the garbage container frequently
* Making the environment clean and sanitized.
* Preventing peoples from respiratory diseases

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

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**   * Since wastes are collected and disposed properly at a right time , people will be aware of the act and triggered to put the waste only in the trash container | **10. YOUR SOLUTION SL**     * Proper monitoring of garbage level using sensors to avoid overflow of wastes * Frequent collection of wastes by the waste collectors. * Notifying the truck driver about the garbage overflow | 1. **CHANNELS of BEHAVIOUR CH**   Online:   * Advertise or spread news over social media on keeping the environment clean **.**   Offline:   * People who actually cares about the sanitization of environment conduct awareness campaign as volunteers. | **Identify strong TR & EM** |
| **4. EMOTIONS: BEFORE / AFTER EM**   * **BEFORE** : Frustration, helplessness, fear of health issues * **AFTER** : Satisfaction, Calm state of mind |