**Project Design Phase-I** - **Solution Fit Template**

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

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

**Project Title: Smart Waste Management System For Metropolitan Cities Team ID:** **PNT2022TMID23468**

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.

**AS**

**5. AVAILABLE SOLUTIONS**

Waste holders, such as private individuals, property

owners or companies are our customers.

❖ As it is technology based it

needs internet access to work

properly.

❖ Customers need to buy some IOT Devices to

access.

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

1. **CUSTOMER SEGMENT(S)**

Waste holders, such as private individuals,

property owners or companies are our

customers.

**Explore AS, differentiate**

**Define CS, fit into CC**

If the sensors are not working properly contact the

customer care or drop a message.

**BE**

**7. BEHAVIOUR**

**RC**

**9. PROBLEM ROOT CAUSE**

❖ Lack of industry expertise.

❖ Emission of greenhouse gases.

❖ Poor recycling quality due to lack of education.

**J&P**

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

Separate your waste.

❖ Create a composite site.

❖ Growing pressure in outdated waste

Management infrastructure, with declining level of capital investments and maintence

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

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**Identify strong TR & EM**

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| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**  Seeing how neighbors are having a clean  environment after using it people will get admire my  seeing others. | **10. YOUR SOLUTION SL**  Our solutions is to manage the waste efficiently by indicating the garbage level to the users as well as authenticating persons to  collect it and proceed to further process with the garbage.  ❖ The purpose is of making clean Environment.  REDUCE- REUSE RECYCLE | 1. **CHANNELS of BEHAVIOUR CH**   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. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  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 |