**Project Title: Smart waste management system for metropolitan cities Project Design Phase-I** - **Solution Fit Template** **Team ID:** PNT2022TMID07532

or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?

No idea now, but we will considered any kind of issues and do the needful help immediately.

**AS**

**5. AVAILABLE SOLUTIONS**

Which solutions are available to the customers when they face the problem

What constraints prevent your customers from taking action or limit their choices

of solutions?

1. Sorry no cash available right now.

2.Garbage full we can’t considered your waste right now.

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

Who is your customer?

People are my customer.

**Explore AS, differentiate**

**Define CS, fit into CC**

They contact to the service number displayed on the machine. we will confirm and check it.

**BE**

**7. BEHAVIOUR**

What does your customer do to address the problem and get the job done?

**RC**

**9. PROBLEM ROOT CAUSE**

What is the real reason that this problem exists? What is the back story behind the need to do this job?

The real reason is they may put a invalid wastes (paper, wood, e-waste) into machine.

Story: we design this project especially to reduce throwing water bottles and drink bottles on a public places. If we install this machine in all places it may theft by thiefs.

**J&P**

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

Which jobs-to-be-done (or problems) do you address for

your customers? There could be more than one; explore different sides.

1.To avoid throwing waste material (Chemical bottle, water bottle and drink glasses) at public places.

2.Beggers can earn money.

3.The job is very easy to corporation workers.

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

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

**Identify strong TR & EM**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**  What triggers customers to act? .  Hearing about money for empty water bottles! Empty glasses! | **10. YOUR SOLUTION SL**  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.  **This is one of best solution for keeping INDIA clean**. The prototype of the proposed system is developed using Raspberry Pi Controller, website to govern the entire process with comfort and simplicity. The most important part of the proposed system is the sensory unit which helps in identifying different types of waste (Plastic, Waterbottles, Glasses, etc). The module contains Cameras for Identifying object so as to categorize different categories of waste. The major units of the module consist of **four noticeable components** such as Camera, IR sensor, DC motor and Cash dispenser. While the waste management is performed at the software system, first the object is identified by the camera then identified the exact name object then information is shared to processor and to cash dispenser unit. According to the output of processor (Raspberry Pi) the **cash will be delivered. Here noted think is we give money to the waste at the instance by the same we cleaning the india.** | 1. **CHANNELS of BEHAVIOUR CH**     1. **ONLINE**   What kind of actions do customers take online?  Incase server error they can wait for a minute.   * 1. **OFFLINE**   What kind of actions do customers take ofﬂine?  They can call us tothe helpline number displayed on the machine. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  How do customers feel when they face a problem or a job and afterwards?    Secure and adding advantages to our country. Before they throw the waste in road or some other public placesm, they will think about this new technology (money for empty bottles). |