Project Design Phase-I

Problem Solution Fit

Date	01 October 2022
Team ID	PNT2022TMID27129
Project Name	Smart Waste Management In Metropolitan Cities Using IoT

Define CS, fit into CL

1. CUSTOMER SEGMENT(S) CS

The industrialists who promote recycling waste from the large dump yards

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES CL

High budget in installing other products make them to move far from modern technologies.

5. AVAILABLE SOLUTIONS PLUSES & MINUSES AS

The monitoring and controlling of the leakage could be done by the sensors. Hence the manpower is reduced. Thus the environmental pollution is decreased and as well as the workers health is also increased.

Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY PR

- Decrease in air quality due to the unawareness of proper waste management.
- Having no proper system for controlling or monitoring the waste overflow from garbage dumpsters.
- Facing budget problems for installing the modern technology for waste management

9. PROBLEM ROOT / CAUSE RC

When the sensors failed to monitor properly, the waste can overflow from the garbage dumpster.

7. BEHAVIOR + ITS INTENSITY BE

The manpower is reduced making away from direct contact with the waste as it is machine processed.

Focus on PR, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TO ACT TR

The heavy damages or higher health issues due to the direct contact of waste by human urges them to find out a solution as soon as they could possible.

4. EMOTIONS BEFORE / AFTER EM

Before: The heavy leakage due to the overflow made us feel of guilt due to the workers were in direct contact with the waste.
After: Increased the level of confidence and feel secured and healthy.

10. YOUR SOLUTION SL

Develop an efficient system & an application that can monitor and alert the workers.

8. CHANNELS of BEHAVIOR CH

Promoting through social media. With the help of social media entrepreneurs/influencer.

OFFLINE

Through newspaper advertisements.

Extract online & offline CH of BE