Project Design Phase-I Problem solution fit template

Date Date	19 September 2022
Team ID	PNT2022TMID22482
Project Name	Project - Smart Waste Management System For Metropolitan Cities
Maximum Marks	2 Marks

Problem-Solution fit canvas 2.0

Who is your customer?

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fit into

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tap into

The whole metropolitan city people are the main customer. The powerful cloud based platform helps customer to configure, monitor and plan everyday waste management activities and belong to one of the best waste management software on the market these days.

There could be more than one; explore different sides.

- ->While the smart sensor used in the smart bins are easy to use ,that the customers can be easily handled
- ->Having smart technology is only half the solution, the other half is ensuring that waste are disposed properly and recycling waste are properly sorted in the city area

6. CUSTOMER CONSTRAINTS

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What constraints prevent your customers from taking action or limit their choices of solutions?.

- ->Misunderstanding of the operations of smart sensors
- ->setting up of smart bins is bit costlier
- ->connections of smart sensor is quite difficult in smart bins
- ->Non -optimized truck routes

What is the back story behind the need to do this job?

- ->Because this is a new and emerging technology, there will be a general misunderstanding of its operation.
- ->A lot of people believe that its complicated and expensive method to dispose of waste, which is not
- ->Its due to the humidity condition that vary in different places the problem may exist in the smart bins on a certain circumstance

5. AVAILABLE SOLUTIONS

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Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?

- ->By getting the constant customer support from the metropolitan city controller head
- ->By having the updated smart technologies in the smart bins the cons can be rectified
- ->Using the simple mechanism tools in the bins the customer can easily do their work if any problem occur in the smart bins

- ->By maintaining and constant check up of the electronics items in the smart bins the problem will not be occurred at any instants
- ->As the mechanics used in the smart bins is really easily that the customers can be rectified if any major problem occurs means the support team will helping the customer to job done
- ->By communicating to the metropolitan head the issues will be done

3. TRIGGERS

What triggers customers to act?

By knowing the working or simple mechanism of smart bins in an easier manner the customer won't get any problem at any situation .By knowing that effective solution in social media

10. YOUR SOLUTION

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As we already mentioned that smart waste management is currently upcoming technologies that gone change the world in the environmental friendly manner to the upcoming generation future,

By using the current and updated technology in the smart bins the problem occurring in the smart bins, communication between the customer and service provider will be in the great and effective manner.

8. CHANNELS of BEHAVIOUR

8.1 ONLINE

What kind of actions do customers take online?

- ->Enquiry about the trucks for picking up the waste in the House for disposal process
- ->support to customer by the social media, App created by the Service provider to the customer
- ->Guidelines to use or operate the smart bins

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4. EMOTIONS: BEFORE / AFTER



How do customers feel when they face a problem or a job and afterwards?

lost, insecure > confident, in control - use it in your communication strategy $\mbox{\it \& design.}$

The cons in the smart waste will be gradually decreasing in the upcoming days for constant upgrade in smart waste management .

8.1 OFFLINE

What kind of actions do customers take offline?

- ->collaboration with provider will make the customer so easy To operate the smart bins
- ->communication with provider on offline mode