Project Title: lot Based Smart crop protection system

Project Design Phase-I - Solution Fit Template

CC

Define CS, fit into CC

CUSTOMER SEGMENT(S)

Farmers who trying to protect crops from various problems

6. CUSTOMER CONSTRAINTS

- High adoption costs, more power and security concerns.
- Lack of man power.
- Limited supervision.

5. AVAILABLE SOLUTIONS

- Automation in irrigation
- Monitor different parameters by mobile or web application which helps to earn the crop yield.

Explore AS, differentiate

BE

AS

J&P

TR

Crops are not irrigated properly.

2. JOBS-TO-BE-DONE / PROBLEMS

- Improper maintenance of crops.
- To increase the commodity, import, export and make profit for farmers.

9. PROBLEM ROOT CAUSE

- The main cause of the problem is crops in farms are many times ravaged by local animals like cow, goat, bird etc..
- Due to insufficient labour forces.

7. BEHAVIOUR

- Consumes more time in crop land.
- Searching for an alternative Solution for an existing solution.

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

tify

3. TRIGGERS

- By seeing surrounding crop land with installing machines.
- Hearing about innovative technologies and effective solutions.

10. YOUR SOLUTION

IOT based fertilizing methods are followed, to minimize the negative effects on growth of crops while using fertilizer

8.CHANNELS of BEHAVIOUR

SL

ONLINE: The data send through application to the farmers to know about the farms.

OFFLINE: The control action is taken by the farmers to monitor the farms.

СН

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