Problem-Solution fit canvas 2.0

Purpose / Vision

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

Protection of crop yield is one of the most challenging concerns faced by farmers.Some of the factors that challenge crop protection are changing weather conditions,unplanned seed sowing,unpredicted locus attacks,and irregular irrigation.There is a high-level requirement for crop yield protection because of the increasing demand for quality food and the constantly increasing global population.It is becoming a crucial need for farmers to shift from conventional monitoring to smart crop monitoring (including advanced technology in farming methods like the Internet of Things) to provide quality production of food.

6. CUSTOMER CONSTRAINTS — CC

Smart Farming has enabled farmers to reduce waste and enhance productivity with the help of sensors (light, humidity, temperature, soil moisture, etc.) and automation of irrigation systems. Further with the help of these sensors, farmers can monitor the field conditions from anywhere. Internet of Things based Advanced Farming is highly efficient when compared with the conventional approach

5. AVAILABLE SOLUTIONS — AS

Farmers can better monitor animal conditions, such as body temperature, estrus, disease, productivity, location as well as better prevent the loss or theft of livestock. Farmers can accurately record rainfall and other weather conditions, set flood risk alarms and other alerts in changes of water quality or overuse of phytosanitary products. Farmers can now oversee storage conditions, receive alerts on gates and equipment and better track and quality control the entire supply chain.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

Crop raiding by wild herbivores close to an area of protected wildlife is a serious problem that can potentially undermine conservation efforts. Since there is orders of magnitude difference between farmers' perception of damage and the compensation given by the government, an objective and realistic estimate of damage was found essential

9. PROBLEM ROOT CAUSE — RC

- Lack of or incorrect documentation
- Lack of or incorrect training
- Lack of management commitment

7. BEHAVIOUR — BE

The Internet of Things offers many opportunities to grow the economy and improve quality of life. Just as the public sector was instrumental in enabling the development and deployment of the Internet, it must play a similar role to ensure the success of the Internet of Things. Therefore, national governments should create comprehensive national strategies for the Internet of Things to ensure that the technology develops cohesively and rapidly, that consumers and businesses do not face barriers to adoption, and that both the private and public sector take full advantage of the coming wave of smart devices.

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

Identify strong TR & EM

3. TRIGGERS — TR

Wild creatures, including monkeys, stray animals—especially cows and buffaloes—wild dogs, nilgais, bisons, elephants, deer, wild pigs, and even parakeets—damage crops severely by trampling them underfoot, devouring them, or destroying them entirely. Crop yield suffers as a result. The fruit and flowerings in fruit orchards are destroyed by these creatures' attacks. Both times, this causes the farmers and orchard owners to suffer large financial losses. The issue is so severe that occasionally farmers choose to abandon the area in order to avoid animal assaults

4. EMOTIONS: BEFORE / AFTER — EM

IoT crop monitoring systems help maintain optimal conditions to provide adequate crop quality. IoT-based weather monitoring systems in farming help calculate the required supply of chemicals, nutrients, and water to produce high-quality crop yields. Moreover, agriculture products made using IoT monitoring systems can also fulfil market specifications more than other available products.

10. YOUR SOLUTION — SL

As of today, a wide variety of smart farming techniques allows farmers to complete their day-to-day challenges. Planting, crop gathering, pest control, watering, and several other data are collected using smart crop monitoring systems and help farmers manage and have better control over these tasks effectively.

8. CHANNELS of BEHAVIOUR — CH

We notify the information about of field in web application

8.2 OFFLINE

You are offline the application show last information about the field

Extract online & offline CH of BE

AMALTAMA