VSB ENGINEERING COLLEGE,KARUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAYA THIRAN

SOLUTION FIT

TITLE   : IoT based smart crop protection system for agriculture

DOMAIN NAME   : Internet of Things

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Problem-Solution fit canvas 2.0

Purpose / Vision

1. CUSTOMER SEGMENT(S) — CS

Farmers are the customers who are unable to predict the animals entry into the farming field. Interference of animals in agricultural lands causes a huge loss of crops.

6. CUSTOMER CONSTRAINTS — CC

The constraints that the customer face while animals intervention life span of the crops.

5. AVAILABLE SOLUTIONS — AS

Customers uses fence to prevent the intervention of animals,

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

If animals entry into the farming lands the sensor will detect the animals and send the signal to the customers.

9. PROBLEM ROOT CAUSE — RC

Due to the intervention of animals during growth of the crops customers faces the consequences.

7. BEHAVIOUR — BE

Finding an animals entry into the farming lands is always a difficult task for a customer.

3. TRIGGERS — TR

Some of the triggers are advertisements in the television and information from the experts.

10. YOUR SOLUTION — SL

To surmount this issue an automated perspicacious crop aegis system is proposed utilizing Internet of Things (IoT).

8. CHANNELS of BEHAVIOUR — CH

8.1 ONLINE
With help of various online channel farmers can buy the IoT based systems.

8.2 OFFLINE
Buying IoT based system from authorized shops

4. EMOTIONS: BEFORE / AFTER — EM

With the traditional farming were depressed due to the inability to predict the animals grazing in the fields using IoT system they are happy with the high yield of the healthy crops.

AMALTAMA