Project Title: Smart farmer - IoT Enabled Smart Farming Application

Project Design Phase-I - Solution Fit

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

- Farmers and large land owners

6. CUSTOMER CONSTRAINTS — CC

- High Cost
- Security concerns
- Internet facility.

5. AVAILABLE SOLUTIONS — AS

- Farmers can get Live Data (Temperature, Humidity, Soil Moisture, Soil Temperature) by using sensors for efficient environment monitoring which will enable them to increase their overall yield and quality of products.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

- All the time, farmers couldn't manually monitor plant growth because they were not near their field.

9. PROBLEM ROOT CAUSE — RC

- Sudden climate changes.
- Not sufficient watering method.
- Enough workers are not available

7. BEHAVIOUR — BE

- Analyzing different parameters like temperature and humidity to get high yield by using IOT.

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

3. TRIGGERS — TR

Increased work efficiency. One of the greatest things about Smart Farming is its potential to save valuable time

10. YOUR SOLUTION — SL

Farmers can monitor different parameters by using a web or mobile application even if the farmer is not near his field.

8. CHANNELS of BEHAVIOUR — CH

ONLINE:
Monitoring environment parameters through online.
OFFLINE:
Maintaining hardware components through offline.

Identify strong TR & EM

4. EMOTIONS: BEFORE / AFTER EM

Before:
Difficult to monitoring plants growth.
After:
Easy to monitoring plants growth and help to increase yield.

Identify strong TR & EM