Project Title: Smart Farmers IOT enabled Smart Farming
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Project Design Phase-I – Solution Fit Template

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) `CS`

- Farmer

6. CUSTOMER CONSTRAINTS `CC`

- Low power consumption
- Cost
- Network connection
- Education

5. AVAILABLE SOLUTIONS `AS`

- Using Traditional Manual Method for Farming and Irrigation

- Using Separate Setup for Analyzing Field and for Motor Control

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS `J&P`

- Monitoring soil, temperature, Humidity levels
- Display those Parameters in user friendly Interface
- Have a Motor control on that Interface

9. PROBLEM ROOT CAUSE `RC`

- Using Traditional Manual Farming method which increases work load

- Less understanding about the Field

- Human errors which may affect productivity

7. BEHAVIOUR `BE`

- Continuous monitoring of soil moisture, humidity and temperature level
- Controlling Motor pump

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

3. TRIGGERS   TR

- Work load
- Watering crops are on assumptions

4. EMOTIONS: BEFORE / AFTER   EM

- Lots of problem in maintain soil, temperature and watering crops.

After:

- Feel comfortable to handle.

10. YOUR SOLUTION   SL

- Usings Sensors to read field parameters
- And display those parameters on user friendly interface
- Suggest right time for irrigation, right plant to be planted next
- Weather forecast
- Controlling Motor through the Mobile application.

8. CHANNELS of BEHAVIOUR   CH

- Online: There should be internet connection for monitoring crops soil moisture and temperature to display app.

- Offline: Notification to user.