

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) Farmer	6. CUSTOMER CONSTRAINTS Low power consumption Cost Network connection Education	5. AVAILABLE SOLUTIONS 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, t			

2. JOBS-TO-BE-DONE / PROBLEMS

Monitoring soil, temperature, Humidity levels

Display those Parameters in user friendly Interface

Have a Motor control on that Interface

9. PROBLEM ROOT CAUSE

Using Traditional Manual Farming method which increases work load

Less understanding about the Field

Human errors which may affect productivity

7. BEHAVIOUR

Continuous monitoring of soil moisture, humidity and temperature level

Controlling Motor pump

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.