### Problem-Solution fit canvas 2.0

### Purpose / Vision

# 1. CUSTOMER SEGMENT(S)

- > Crop Management
- > Precision Farming.
- Data Analytics
- > Agricultural Drones.
- > Robotic System.

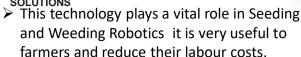
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## 5. CUSTOMER CONSTRAINTS

- > Automate process reduce labor costs.
- Sensors are used.
- > Compact in Size.
- Gives data within a fraction of seconds
- Usually lot devices are small and light.

### 8. AVAILABLE SOLUTIONS

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- Continuous Drones Monitoring System gives a best result to Farmers.
- ➤ Sensors provides location of crop mapping helps the farmers to identify the crops easily

## 2. JOBS-TO-BE-DONE / PROBLEMS

- ➤ To managing and tracking location of GPS using IOT.
- > To extend the efficiency of yields.
- ➤ To enable Integrated management to improve crop protection.
- ➤ To monitor the soil, humidity, pest, insect attacks in agriculture fields.

### 6.

J&P

### 6. PROBLEM ROOT CAUSE

- ➤ It requires an unlimited or continuous internet connection. So that this problem plays a vital role.
- > It should definetly Diminishes Soil Fertility.
- Smart farming based equipments require famers to understand and learn the use of technonlogy.
- Use of New chemicals leads to an annual loss of Soil Quality.

#### 9. BEHAVIOUR

- ➤ To predict the soil Monitoring, Humidity Monitoring, Temperature Monitoring, ph Monitoring, Cattle Monitoring, Fertilization Monitoring. So many things are Benefical here.
- Easier Recording and Reporting, Providing data to Farmers continuously.
- ➤ It reduce the labour cost and user friendly.

#### 3. TRIGGERS

- Farmers are able to recognise the issues and work without anyone help.
- ➤ Customers find easy to use it.Because it is fully digital,faster enough,automatic too.
- 4. EMOTIONS: BEFORE / AFTER
- ➤ Before :Anxity,time consumption and unaware of things
- After:aware of things ,less time consumption and pleasure

### 7. YOUR SOLUTION

- The system finds a way for supervising and monitoring the Crops so that quality & Quantity can be maintained.
- ➤ To consume less power consumption and to provide in cheaper cost
- The device will be in compact size and user friendly to use

# 10. CHANNELS of BEHAVIOUR

#### ONLINE

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Data Analytics used to give data to farmers regularly. Storage of data also safe using iot

#### **OFFLINE**

The proposed system includes a number of sensors to test and guarantee the Crop quality based on factors including pH, temperature, conductivity, humidity and ardunio.





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