Problem-Solution fit canvas 2.0

Purpose / Vision

1. CUSTOMER SEGMENT(S) — C

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

5. CUSTOMER CONSTRAINTS — C

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

8. AVAILABLE SOLUTIONS — A

- This technology plays a vital role in Seeding and Weeding Robotics it is very useful to farmers and reduce their labour costs.
- 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 — J&P

- 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. PROBLEM ROOT CAUSE — R

- 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 — B

- 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 — T

- 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 — EM

- Before :Anxity,time consumption and unaware of things
- After:aware of things ,less time consumption and pleasure

7. YOUR SOLUTION — SL

- 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 — CH

ONLINE

- 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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