

**1. CUSTOMER SEGMENT(S)**

Due to strict lockdowns in the past and social isolation, migrant labours has been relocated to places where agriculture is more dependent on it. As a result, many farmers are implementing smart agriculture techniques like precision farming to track the growth of their crops.

CS

**6. CUSTOMER CONSTRAINTS**

Smart agriculture requires accessibility and the availability of the internet constantly. The use of technology must be understood and learned in order to use the smart-based equipment. This is a significant obstacle to the widespread adoption of this technology.

CC

**5. AVAILABLE SOLUTIONS**

- Remote equipment monitoring
- sensor based field and resource mapping
- remote crop monitoring
- smart pest management
- climate monitoring and forecasting

AS

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

- Water Consumption.
- Soil Degradation.
- Efficiency and Yield.

**9. PROBLEM ROOT CAUSE**

Working by hand takes more time and is more likely to make mistakes.

RC

**7. BEHAVIOUR**

**Reduced costs:** Automation of sowing, treatments and harvesting in the case of agriculture reduces the use of resources.

**Better quality:** Analysis of the quality of the produce obtained in relation to the strategies applied makes adjustments possible to increase subsequent production quality.

BE

<p><b>3. TRIGGERS</b> <span>TR</span></p> <ul style="list-style-type: none"> <li>➤ High adoption costs</li> <li>➤ Security concerns.</li> <li>➤ Lack of information,</li> </ul>	<p><b>10. YOUR SOLUTION</b> <span>SL</span></p> <p>Smart farming, which uses sensors and automated irrigation techniques, can track agricultural land conditions such as temperature and soil moisture.</p> <p>Farmers could then keep an eye on their crops from anywhere.</p>	<p><b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span></p> <p><b>8.1ONLINE</b> It collects data and periodically updates. Farmers would be able to monitor their crops from anywhere using this.</p> <p><b>8.2OFFLINE</b> Making optimum use of information and communication technology for agricultural development and output.</p>
<p><b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span></p> <p><b>Before:</b> Crop monitoring is impossible, it is impossible to provide regular updates on climate change, and the cost of the equipment is high.</p> <p><b>After:</b> Everything is now simple, and users of this application are impressed with it.</p>	<p>The integration of these sensors and connecting the sensor data to the analytics powering automation and response actions are two challenges of a smart agriculture system. The aforementioned issues are resolved, and customers are given effective solutions.</p>	