

## IoT enabled smart farming application

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <b>CS</b> The customer for this product is a farmer who grows crops. Our goal is to help them, monitor field parameters remotely.	<b>6. CUSTOMER CONSTRAINTS</b> <b>CC</b> Difficult to use larger number of sensors. Continuous internet connection is required.	<b>5. AVAILABLE SOLUTIONS</b> <b>AS</b> Irrigation process is automated using meteorological data. Field is protected with help of IoT. Expiry date of crop notified to farmer for further execution. PROS: Ease farming. CONS: Efficiency only over short distance.	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEM</b> <b>J&amp;P</b> The purpose of this product is to use sensors to acquire various parameters like weather forecasting, automatic irrigation, smart fencing and warehouse management farmer can make decision through mobile application /web.	<b>9. PROBLEM ROOT CAUSE</b> <b>RC</b> <ul style="list-style-type: none"><li>Frequent changes and unpredictable weather made farmers more difficult for watering the crop.</li><li>Field should be protected from invaders.</li><li>There is no knowledge about expiry date to farmer.</li></ul>	<b>7. BEHAVIOUR</b> <b>BE</b> Maintain database efficiently for further process. Use a proper drainage system to overcome the effect of excess water from heavy rain.	

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

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	<div data-bbox="344 432 510 459">3. TRIGGERS</div> <div data-bbox="779 432 815 459">TR</div> <p>By using this application farming makes easy and productivity increases. This makes other farmer to involve and benefit by this application.</p> <hr/> <div data-bbox="271 687 680 715">4. EMOTIONS: BEFORE / AFTER</div> <div data-bbox="761 687 804 715">EM</div> <p><b>BEFORE:</b> Lack of knowledge in weather forecasting and expire date for crops-&gt;random decisions-&gt;low yield.  <b>AFTER:</b> Data from reliable source-&gt;correct decisions-&gt;High yield.</p>	<div data-bbox="1039 432 1301 459">10. YOUR SOLUTION</div> <div data-bbox="1424 432 1460 459">SL</div> <p>Data collected from various sensor to automatic irrigation according to the weather reports. By using IoT for fencing, the unknown invaders are reduced.</p> <p>Maintain the ware house database the expire date are noted and notified once the date arrives. Offer are announced for the crop which is nearest to the expire date.</p>	<div data-bbox="1599 432 1964 459">8.CHANNELS of BEHAVIOUR</div> <div data-bbox="2089 432 2128 459">CH</div> <p><b>ONLINE:</b> Providing information regarding weather condition, plant watering, smart fencing and data in ware house.</p> <p><b>OFFLINE:</b> Awareness camp to be organized to know the importance and advantages of IoT in the development of agriculture.</p>	
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