

Problem-Solution Fit canvas

Purpose / Vision

To build IOT based Crop Protection System.

Version: To Protect ,
Monitor and Sense the crops

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS <p>Farmer have a minimum amount of land and he wants to plant crops and trees but he needs more amount of yield</p> <p>He wants to monitor and protect his agricultural land but he doesn't wants to spend more b</p>	6. CUSTOMER LIMITATIONS CL <small>EG. BUDGET, DEVICES</small> <p>Mostly farmers won't have much knowledge about the technology.</p> <p>They don't want to invest more money on technology</p>	5. AVAILABLE SOLUTIONS AS <small>PLUSES & MINUSES</small> <p>Automation irrigation system</p> <p>Already this solution is available but it doesn't have more features</p>	Explore AS, differentiate
	2. PROBLEMS / PAINS + ITS FREQUENCY PR <p>It is impossible to monitor the field every time</p> <p>They may suffer from sudden change in climatic conditions</p> <p>Sometimes farmer invest more money but they are not getting equal amount of yield</p> <p>They fear about the damage that are caused by cattles and birds</p> <p>It will Automatically show the correct crop for the soil</p> <p>Water scarcity is main reason for dry crops</p>	9. PROBLEM ROOT / CAUSE RC <p>Damage caused by animals and birds</p> <p>Farmer can't predict weather</p> <p>Monitoring the field 24/7 is impossible</p> <p>Water Scarcity is the main problem</p>	7. BEHAVIOR + ITS INTENSITY BE <p>Eventhough using the solution, customer visits the agricultural land often as the notifications are not sent properly</p> <p>As they don't have proper knowledge of using the software and system, existing solution is wasted</p> <p>At first they won't trust the solution</p> <p>All the existing system provides only one solution , so there is need for the farmer to do the rest of the work</p>	
Identify strong TR & EM	3. TRIGGERS TO ACT TR <p>Tell the story of the problem you had faced and suffered and how wealthy you are now after using the solution</p> <p>Show the feedback video of the farmers who have benefited from this solution</p>	10. YOUR SOLUTION SL <p>Modern IoT technology to overcome their problem.</p> <p>Using sensors like ultra sonic sensors to protect crops from animals</p> <p>Automated irrigation system using humidity and temperature sensor</p> <p>Our software has lot of features for monitoring and accessing</p>	8. CHANNELS of BEHAVIOR CH <p>ONLINE</p> <p>Current humidity, temperature and other information are sent as notifications</p> <p>ON/OFF is automated and also can be manually accessed by the user remotely</p> <p>Software will show the current weather conditions</p> <p>OFFLINE</p> <p>Automatic water irrigation</p> <p>Protecting crops from animals and birds</p> <p>Automatic spraying of fertilizer</p>	Extract online & offline CH of BE
	4. EMOTIONS BEFORE / AFTER EM <p>They felt depressed as they got loss and no yield</p> <p>He will feel like that he had saved time and money.</p> <p>Farmer won't harm animals and birds</p>			



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