

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS <p>#crop damage caused by animal and bird attack is one of the major threats in reducing crop yield #soil moisture conditions affect plant root water absorption and leaf transpiration and ultimately affect crop yield</p>	6. CUSTOMER CONSTRAINTS CC <p>✓ Proper irrigation facilities ✓ Sensors are used ✓ Given data within a fraction of seconds</p>	AVAILABLE SOLUTION AS <p>*A soil moisture sensor is a device that measures current soil moisture,gives better crops,uses fewer inputs and understand what is happening in the root zone of a crop *Chemical crop protection products,or"pesticides",help control insects, diseases,fungi and other undesirable pests</p>	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS J&P <p>•To monitoring soil moisture, temperature and humidity •Monitoring the animals entry •Need to reduce crop losses</p>	9. PROBLEM ROOT CAUSE RC <p>ΔThe solution is proposed to rectify the problem of labor shortage and to reduce the cost budget Δ Even in case of absence of physical workers,the system automatically monitors the humidity level in plants and waters on time</p>	7. BEHAVIOUR BE <p>#Tensiometers indirectly measure soil moisture tension #Electric fences are constructed to inflict an electric shock to animals that come in contact with the fence, therefore preventing animals from crossing the fence</p>	
Identify strong TR & EM	3. TRIGGERS TR <p>-Soil moisture sensor delivers the results immediately -Increasing crop yield and saving on fertilizer costs</p>	10. YOUR SOLUTION SL <p>^ Adopt and learn new technologies ^lot based crop protection system against birds and wild animals attacks ^The system finds a way for supervising and monitoring the crops so that quality can be maintained ^Apply sprinkler irrigation methods</p>	8.1 ONLINE CH <p>Data analytics used to give data to farmers regularly.Storage of data also safe using iot</p>	Extract online & offline CH of BE
	4. EMOTIONS: BEFORE / AFTER EM <p>BEFORE Anxiety,loss of human power, depression,more time consumption AFTER Less time consumption, increasing profitability</p>		8.2 OFFLINE <p>The proposed system includes a number of sensors to test and guarantee the crop quality based on factors including temperature, soil moisture and humidity</p>	