Define CS, fit into CL	CUSTOMER SEGMENT(S) Farmers who trying to protect crops from various problems CS	CUSTOMER LIMITATIONS EG. BUDGET, DEVICES Limited supervision. Limited financial constrains. Lack of manpower.	5. AVAILABLE SOLUTIONS PLUSES & MINUSES AS CCTVcamera tomonitor andnsupervise thebcrops. Alarmnsystem to give alert while animals attacks the crops.
Focus on PR, tap into BE, understand RC	Cropsarenotirrigatedproperly. Improper maintenance of crops. Lack of knowledge among farmers inusage offertilizers and hence crops are affected. Requires protecting crops from Wild animals attacks,birds and pests.	PROBLEM ROOT / CAUSE Due to in sufficient labourforces. Due to various environmental factors such as temperature climate,to pography and soilquality which results incrop destruction. Due to high ammonia,urea, potassium and highPHlevelfertilizers.	*Asks suggestions from surrounding peoples and implement there cent technologies. *Consumes more time in cropland. *Searching for an alternative solution for anexisting solution.
Identify strong TR & EM	* By seeing surrounding cropland with * Moisture sensor interfaced withArduinoMicrocontroller to installing machineries. * Hearing aboutinnovativetechnologies * A. EMOTIONS BEFORE / AFTER * Mentalfrustrations due to insufficient production of crops. * Felt smart enough to follow the available technologies with minimum cost.	O. YOUR SOLUTION Usingdifferentplatforms/socialmedia measure the moisture level in soil and relay isused toturn ON and OFF the motorpump for managing the excess water level. It will be updated to authorities through IOT. Temperature sensor connected to microcontroller isused to monitor the temperature inthe field. The optimum temperature required for crop cultivation is maintained using . IOT basedfertilizingmethodsare followed,to minimize the negative effects on growth of crops while using fertilizers Image processing techniques with IOT isfollowed forcrop protection agains animalattacks.	8. CHANNELS of BEHAVIOR ONLINE to describe th eworking and uses of smart crop protection device. OFFLINE Giving awarenes among farmers about the application of the device.