

Project :IOT Based Smart Crop Protection System for Agriculture
1:Problem Solution fit

Project Design Phase-

Team ID:PNT2022TMID21791

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS Farmer's ! Who's not near his field	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL 1)High adoption costs , security concerns. 2)Not aware of the implementation of IoT in agriculture.	5. AVAILABLE SOLUTIONS <small>PLUSES & MINUSES</small> AS Monitor different parameters and mobile or web application make easily to farm the crop field .	Explore AS, differentiate
	2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> PR <ul style="list-style-type: none"> Very tedious process to eradicate animals Farmers cannot monitor the field for 24 hours 	9. PROBLEM ROOT / CAUSE RC 1)If temperature ,PH level ,humidity & light intensity makes the serious cause for the environment. 2)Farmer affected by less productivity which will affect in their profit.	7. BEHAVIOR <small>+ ITS INTENSITY</small> BE Direct related: Tries to find a solution to prevent this problem Indirect related: Located in rural where internet connectivity might not be strong enough to facilitate fast transmission speeds.	
Identify strong TR & EM	3. TRIGGERS TO ACT TR Create opportunities to lift people out of poverty in developing nations. (Over 60%)	10. YOUR SOLUTION SL Helps the farmers to produce high yield of crops(fruits and vegetables) by protecting the field from animals and birds using the technology	8. CHANNELS of BEHAVIOR CH ONLINE: The Data send through application for the farmers to know about the farms.	Extract online & offline CH of BE
	4. EMOTIONS <small>BEFORE / AFTER</small> EM BEFORE: Finances, Heavy work overload and conflict in relationship. AFTER: It will easier to make more yield in		OFFLINE: The control action is taken by the farmers to monitor the farms.	