

Project Design Phase-I

Problem Solution Fit

Date	09 October 2022
Team ID	PNT2022TMID33206
Project Name	IOT based smart crop protection system for agriculture

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS Farmers ! Who's not close to his or her field	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL 1)High appropriation costs , security concerns. 2)Not mindful of the usage of IOT in horticulture	5. AVAILABLE SOLUTIONS <small>PLUSES & MINUSES</small> AS Screen distinctive parameters and versatile or web application make effectively to cultivate the trim field .	Explore AS, differentiate
	2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> PR It's troublesome to screen and control Ain't known the application doesn't work appropriately.	9. PROBLEM ROOT / CAUSE RC 1)If temperature ,PH level ,stickiness & light escalated makes the genuine cause for the environment. 2)Farmer influenced by less efficiency which is able influence in their benefit.	7. BEHAVIOR <small>+ ITS INTENSITY</small> BE Coordinate related: Tries to discover a arrangement to anticipate this issue Indirect related: Found in provincial where web network might not be solid sufficient to encourage quick transmission speeds	
Identify strong TR & EM	3. TRIGGERS TO ACT TR Make openings to lift individuals out of destitution in creating countries.	10. YOUR SOLUTION SL <i>"IOT based Keen trim security framework for agriculture" !!</i> It offer assistance agriculturists develop more nourishment on less arrive by security crops from bugs, illnesses and weeds as well as raising efficiency per hectare.	8. CHANNELS of BEHAVIOR CH ONLINE: The Information send through application for the ranchers to know approximately the ranches.	Extract online & offline CH of BE
	4. EMOTIONS <small>BEFORE / AFTER</small> EM BEFORE: Funds, Overwhelming work over-burden and strife in relationship. AFTER: It'll simpler to form more Abdicate in field.		OFFLINE: The control activity is taken by the ranchers to screen the ranches.	