IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

TEAM ID: PNT2022TMID04647

Browsing, booking, attending, and rating a local city tour	Entice How does someone initially become aware of this process?		Enter What do people experience as they begin the process?		Engage In the core moments in the process, what happens?			Exit What do people typically experience as the process finishes?		Extend What happens after the experience is over?	
Steps What does the person (or group) typically experience?	Seeing advertisement Advertisement in newspaper and media which creates intrest in farmers	Step Visiting website or app While visiting the website can get clear idea	Start complete payment Farmer contact the dealer to install the system Complete full payment to the dealer dealer		Detection of birds and animals The animals and birds that destroy the field and long theory by using alarm	Control motors and maintain water levels Using mobile application farmer can control the motors	Measure humidity, moisture, temperature Using sensors various physical parameters required for plant growth	Complete relief from animals The farmers felt completely relief as their crop have protected in safe rearner.	watering of plants became easy Watering of plants can be done from mobile	Better performance in crop protection New solution provides a better crop protection end results in high crop yeld	Personaliszed recommendations Informs about the new recommendations related to the cop protection
Interactions What interactions do they have at each step along the way? People: Who do they see or talk to? Places: Where are they? Things: What digital touchpoints or physical objects would they use?	Contacting dealer directly for installtion	Interaction with salesman at demo	Payment using cards or mobile banking application	Information provided at demo	Information can be shared with other	rs T para	he physical ameters were sured by using sensors	The overall crop productionsystem function using IBM wats on service	Feedback form filling and giving to the dealer	IBM Services	Recommendation span using websites
Goals & motivations At each step, what is a person's primary goal or motivation? ("Help me" or "Help me avoid")	Help me to know about the better new method of crop protection	Give idea to find new solution to the existing solution	Makes confident that purchase is finalized and tell what to do next	Helps to get through payment part without too much hassle	Help me make irrigation for my plants much simple	impro	more profit to vee cultivation	Economic well being	Achieving better crop yeilds	Well maintained farm	Resources increases
Positive moments What steps does a typical person finding person from the property for the provided productive, fun, motivating, delightful, or exciting?	Enhance productivity Real		Accurate farm and field evaluation Rem monit		Quality control improvement and process monitoring	Reduced environment footprint	Easy to maintain	Equipment monitoring Zero	Reduce waste	fertilit	Easy accomplishme ase the ty of the soil
Negative moments What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?	Continuous internet connection	Increasing cost of devices	Water contamination	Noise contamination	Animal damage		Impact the environment	Sensor affected by the water	Incase of short circuit	Incase of malfunction	Cloud Warning issu
Areas of opportunity How might we make each step better? What ideas do we have? What have others suggested?	Drones	Wireless network	Wireless Sensors	Costless crop pretection	Solar power devices		Unproductive efforts	Less amount of energy conserving	Protecting apps	Crop protection program	Sustainability develpment