SMART FARMING

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Team ID	PNT2022TMID26085
Project name	Project – Smart Farmer – IoT Enabled Smart Farming Application

SCENARIO

Getting introduced to IoT and implementing it in farming.

Phases

	Entice	Enter	Engage	Exit	Extend
	How does someone initially become aware of this process?	What do people experience as they begin the process?	In the core moments in the process, what happens?	What do people typically experience as the process finishes?	What happens after the experience is over?

Steps
What does the person (or group) typically experience?

Entice	Enter	Engage	Exit	Extend
Basic idea about implementing IoT in Farming	Login to the App	By using this application soil monitoring can be done effectively	Yield will be higher	Compare to present system this is more effective
Farmers can monitor their crops using the platform from anywhere	Examine the attributes of the soil	We will reach the farmers directly and provide effective solutions	Wastage of water will be lesser	We will reach the farmers directly and provide effective solutions
Precise Data Analysis helps the farmers to adjust their processes to increase production quality	Look over the status of the sensors	Research and project development demonstration and market validation	There will be no soil erosion	
Real time insights gathered from the sensors help the farmer to make precise decisions	Ensure whether the motor is ON/OFF	Market driven opportunities	We will reach the farmers directly and provide effective solutions	
The IoT is highly scalable, so that the farmers can integrate new sensors in the future if needed	Analyse the weather condition			
Choosing sensors that are needed	Predict the precise harvest period			

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?

Entice	Enter	Engage	Exit	Extend
At starting the customer will worried about the process and the think whether it will be effective	Day-by-day weather report will be generated	It will develop the trust on the farmers about the application	Can use the app with technical assistance	Robotics
Understanding earth science and sustainability	Can check the moisture of the soil on any occasions	Well monitor	Continuous internet Facility	Time management
Tenacity and Grit		Remote monitor	End-To-End Farming	
Ability to operate heavy Machinery		Soil monitor	Predictive Analysis	

Goals & motivations
At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")

Entice	Enter	Engage	Exit	Extend
Smart Irrigation	We can control the motor from anywhere at any time	Vegetation	Economic Quality	Easily programm
Various types of cross grown	We can monitor the weather conditions.	Topography	Resilience	More precise
Income		Reduce greenhouse gas		
Sustainability				

Positive moments
What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?

Entice	Enter	Engage	Exit	Extend
Inspires Smart farming	They will be aware of many new technologies in farming	Positively they will learn the app technology	They will get to know about the developments in farming	Usage of AI on all aspects
Chemical free foods and also boost the soil	Pollution Free	Easy to maintain		We think people like these recommendations their feedback to help others to work with this app
	Tackle climate change			
	Reduce water wastage.			

Negative moments
What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?

Entice	Enter	Engage	Exit	Extend
At first they will find the app costly and also have trust issues	Learning and understanding the app is quite challenging	Readings are not more accurate	Network speed	
More power consumption		Sensors may get defective	Internet Facility	
Difficult to assemble			Disturbance in cloud	
			Supplementary Income	
			There will be hard learning process and understanding	

Areas of opportunity
How might we make each step better? What ideas do we have? What have others suggested?

Entice	Enter	Engage	Exit	Extend
Productive Analysis		Testing with responsive Activity.	How might we make it clear that forming is necessary and why should we use this app?	In future AI and Robotics are included
Testing			Sustainable development	Customer will come to know about the tremendous growth in agriculture
Quality			Real potential	
Provide a similar information about smart farming			Safety advocacy	
Increase farming			Driving automation	