PROPOSED SOLUTION

DATE	11 OCTOBER 2022
TEAM ID	PNT2022TMID47605
PROJECT NAME	SMART FARMER-IOT ENABLED SMART FARMING
MAXIMUM MARKS	2 MARKS

•*PROPOSED SOLUTION TEMPLATE:*

S.no	*parameter*	*Description*
1)	***Problem statement***	*Farmers should be in the farm field to monitor their crop field, if any emergency occurs for farmer to go outside there will be lack of irrigation in farm field which lead to damage in crops health*
2)	***Idea/solution description***	*loT-based agriculture system helps the farmer to monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors by using a web or mobile application*
3)	***Novelty/uniqueness***	*when the farmer is not near his field, he can make the decision whether to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself.*
4)	***Social impact/customer satisfication***	*This helps farmer to save lots of time and helps to irrigate and monitor crops remotely*

5)	***Business model***	*A monthly subscription is charged to farmers for prediction and suggesting the irrigation timing based on sensors parameters like temperature humidity, soil moisture.*