Project Design Phase-I
Proposed Solution Template

Date	20 September 2022
TeamID	PNT2022TMID17351
Project Name	IOT Based Smart Crop Protection System For Agriculutre.
MaximumMarks	2Marks

Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement(Problem to be solved)	Develop an efficient system and an application to monitor and alert the farmers.
2.	Idea/Solution description	○ Access all the sensor remotely and change the sensors ○ In several areas, the temperature sensors will be integrated to monitor the temperature & humidity ○ If in any area feel dry or wetless is detected by admins, will be notified along with the location in the web application ○ This product helps the field in monitoring the animals other disturbance
3.	Novelty/Uniqueness	○ The increasing high demand for quality food ○ Providing good quality product for customer. ○ Avoid all the unwanted products and crops ○ Fastest alerts to the farmers

4.	Social Impact/Customer Satisfaction	• Users can easily operate • the optimisation of all the processes related to agriculture and livestocking increases production rates. • The parameters that has to be exact monitored to enhance the yield are soil characteristics, weather conditions, moisture, temperature
5.	Business Model(Revenue Model)	• IoT smart agriculture products are designed to help monitor crop fields using sensors and by automating irrigation systems
6.	Scalability of the Solution	• The role of crop protection in an Integrated system is, additional to all the other methods, to efficiently control the residual harmful species.
		• Reduce waste,improve productivity and enable management of a greater number of resources through remote sensing