

Project Design Phase-1
Proposed Solution

Date	28 September 2022
TeamID	PNT2022TMID46534
Project Name	IOT Based Smart Crop Protection System For Agriculture.

ProposedSolutionTemplate:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	ProblemStatement(Problem to be solved)	To protect crop from animals and used to monitor the moisture, temperature and humidity in the field. This also used to control the motors using the mobile application.
2.	Idea/Solution description	Farmers may now increase production and decrease waste thanks to sensors for light, humidity, temperature, soil moisture, etc. Furthermore, farmers may check on the state of their fields from anywhere with the aid of these sensors.
3.	Novelty/Uniqueness	Using sensors and automating irrigation systems, IOT smart agricultural solutions are intended to monitor crop areas. As a consequence, farmers and affiliated brands can conveniently and hassle-free monitor field conditions from anywhere.
4.	Social Impact/Customer Satisfaction	Conservation of water. Greatly reduces time. A rise in production quality. Production intelligence and real-time data. Remote observation.
5.	Business Model (Revenue Model)	Since everyone can understand how to utilize the product, it is simple for them to do so for their safest organisation. The product is heavily promoted across all mediums. Due to its affordability, it even protects small farms from natural calamities.
6.	Scalability of the Solution	Even when there is greater disruption, the device detects the precise place and successfully warns the farmers.