Project Design Phase-I
Proposed Solution of crop protection

Date	20 SEPTEMBER 2022
Team ID	PNT2022TMID18899
Project Name	Project - IoT Based Smart Crop Protection System for Agriculture
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Protecting the crops from wild animals and also monitor the soil moisture levels in the field.
2.	Idea / Solution description	Monitoring the crops using IOT based technology by 24x7.Detecting animals and scared them away. The motors and sprinklers in the field can be controlled using the mobile application.
3.	Novelty / Uniqueness	Accessibility due to the alarm system, being helpful to farmers. Scalability.
4.	Social Impact / Customer Satisfaction	User friendly. It's increase rate of good yield of crops.
5.	Business Model [Revenue Model]	Cost efficient. It's reduce the anxiety and fear of losing crops meanwhile it's help to increase the profit comparing to previous year.
6.	Scalability of the Solution	In future it can be enhanced by sending message directly to the fire department in case there is a mass wild animals attacks the fields. The controlling and monitoring of the soil moisture level can be automated by taking care of the crops in case of low moisture level, without notifying the farmers.