Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID15789
Project Name	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 template.

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The main aim of our project is to protect the crops from damage caused by animals as well as divert the animals without any harm.
2.	Idea / Solution description	We can provide a solution by using PIR and ultrasonic sensor to detect the presence of the animal by sending an input signal to the controller.
3	Novelty / Uniqueness	We can use IoT devices to provide solutions for the problem in an efficient way. We use sensor to detect the movements of animals .
4.	Social Impact / Customer Satisfaction	It is not possible for farmers to barricade entire fields or stay on field 24 hours and guard it.By using this device farmer can feel more relax and he restricted to go farm often.

5.	Business Model (Revenue Model)	Cost effective.
6.	Scalability of the Solution	Our project is capable to grow in the market as smart farming is an emerging technology nowadays.