Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID10974
Project Name	Project – IoT Based Smart Crop Protection System
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)	Crops in farms are many times ravaged by local animals like Buffaloes, Cows, Goats, Birds, and fire, etc… This leads to huge losses for the farmers. So, here we propose automatic crop protection system from animals and fire.
2.	Idea / Solution description	This System which assists the farmer in the irrigation process. We use IR Sensors to detect the Wild animals, Soil moisture and connected to Arduino microcontrollers.
3.	Novelty / Uniqueness	The smart farm protection system gives reliable security and safety to crops by monitoring 24/7.
4.	Social Impact / Customer Satisfaction	It increases the crop productivity and soil fertility. Peoples are live a healthy life.
5.	Business Model (Revenue Model)	It gives more protection and increase productivity of the crops at low cost.
6.	Scalability of the Solution	It increases the Protection of the crops in the field by indicating the Farmer through the Sensors.