PROJECT DESIGN PHASE-1
PROPOSED SOLUTION

TEAM ID: PNT2022TMID36188

Date	12 october 2022
Team ID	PNT2022TMID36188
Project Name	IOT based Smart Crop Protection For Agriculture
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	An intelligent crop protection system helps the farmers in protecting the crop from the animals and birds which destroy the crop. This system also helps farmers to monitor the soil moisture levels in the field and also the temperature and humidity values near the field. The motors and sprinklers in the field can be controlled using the mobile application.
2.	Idea / Solution description	**Main Solution:** ❖ Our main purpose of project is to develop intruder alert to the farm, to avoid losses due to animals and fire. ❖ Agricultural fences are quite an effective wild animal protection technology. ❖ Use AGRVI to increase crop protection with intelligent pest alarms.
3.	Novelty / Uniqueness	This smart crop Protection system uses Cloud DB Data to store the information about crops with the Help of GPS technology ,That Notifies the owner 24/7 without their physical presence.

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4.	Social Impact / Customer Satisfaction	❖ Helps farmers to better understand the important factor such as water , topography, aspect, vegetation and soil types. ❖ It also supports verification activities, by connecting information through the supply chain so that production claims can be checked. ❖ Control of weeds and integrated management.
5.	Business Model (Revenue Model)	❖ Community based solution. ❖ Increase the proper products cost. ❖ Canvas a business model.
6.	Scalability of the Solution	Smart farming system allows farmers to earn high profits with fully automatic ,Limited resources. The develop system will not harmful and injurious to animals as well as human beings. Low cost solution, lower dependency on power. Simple solution to suite the farmer community.