PROJECT DESIGN PHASE-I
PROPOSED SOLUTION

Team ID	PNT2022TMID44430
Project Name	IOT BASED SMART CROP PROTECTION SYSTEMFOR AGRICULTURE .

S.No.	Parameter	Description
1.	**Problem Statement (Problem to be solved)**	➢ The challenges of a smart agriculture system include the **integration of these sensors and tying the sensor data to the analytics driving automation and response activities**.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.
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.